

Credit Control Service Configuration Mode Commands

The Credit Control Service Configuration Mode is used to create and manage Credit Control Service.

Command Modes Exec > Global Configuration > Context Configuration > Credit Control Service Configuration

configure > context *context_name* **> credit-control-service** *service_name*

Important The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

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diameter dictionary

This command configures the Diameter dictionary to be used for this Credit Control Service instance.

Product All

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > Credit Control Service Configuration

configure > context *context_name* **> credit-control-service** *service_name*

Syntax Description

```
diameter dictionary { custom1 | standard }
default diameter dictionary
```

default

Configures the default setting.

dictionary { custom1 | standard }

Specifies the Diameter dictionary to be used.

custom1: Specifies the custom dictionary **custom1**.

standard: Specifies the standard dictionary.

Usage Guidelines Use this command to configure the Diameter dictionary to be used for this Credit Control Service instance.

Example

The following command configures the standard Diameter dictionary:

```
diameter dictionary standard
```

diameter endpoint

This command configures the Diameter Credit Control Interface Endpoint.

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Command Modes Exec > Global Configuration > Context Configuration > Credit Control Service Configuration

configure > context *context_name* **> credit-control-service** *service_name*

Syntax Description

```
diameter endpoint endpoint_name
{ default | no } diameter endpoint
```

default

Configures the default setting.

no

Removes the previous Diameter endpoint configuration.

endpoint_name

Specifies the Diameter endpoint name as an alpha and/or numeric string of 1 through 63 characters.

Usage Guidelines Use this command to configure the Diameter Credit Control Interface Endpoint.

Example

The following command configures the Diameter Credit Control Interface Endpoint named *test135*:

```
diameter endpoint test135
```

end

Exits the current configuration mode and returns to the Exec mode.

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Syntax Description **end**

Usage Guidelines Use this command to return to the Exec mode.

exit

Exits the current mode and returns to the parent configuration mode.

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Syntax Description **exit**

Usage Guidelines Use this command to return to the parent configuration mode.

failure-handling

This command configures the Diameter failure handling behavior.

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Command Modes Exec > Global Configuration > Context Configuration > Credit Control Service Configuration

configure > **context** *context_name* > **credit-control-service** *service_name*

Syntax Description

```
failure-handling { initial-request | terminate-request | update-request
} { diameter-result-code result_code [ to result_code ] | peer-unavailable |
request-timeout } action { continue | retry-and-continue |
retry-and-terminate | terminate }
{ default | no } failure-handling { initial-request | terminate-request
| update-request } { diameter-result-code result_code [ to result_code ] |
peer-unavailable | request-timeout }
```

default

Configures the default setting.

no

Removes the previous failure handling configuration.

initial-request | terminate-request | update-request

initial-request: Specifies failure handling for Initial Request.

terminate-request: Specifies failure handling for Terminate Request.

update-request: Specifies failure handling for Update Request.

diameter-result-code | peer-unavailable | request-timeout

diameter-result-code *result_code* **[to** *result_code* **]**: Specifies Diameter result code(s) for failure handling.

result_code must be an integer from 3000 through 9999.

to *result_code*: Specifies the range of Diameter result codes.

peer-unavailable: Specifies failure handling for peer being unavailable.

request-timeout: Specifies failure handling for request timeouts.

action { continue | retry-and-continue | retry-and-terminate | terminate }

Specifies the failure handling action.

continue: Continue the session without credit control.

retry-and-continue: Retry and, even if credit control is not available, continue.

retry-and-terminate: Retry and then terminate.

terminate: Terminate the session.

Usage Guidelines

Use this command to configure the Diameter failure handling behavior.

Example

The following command configures initial request failure handling behavior for Diameter result codes *3001* to *4001* with terminate action:

```
failure-handling initial-request diameter-result-code 3001 to 4001 action
 terminate
```

request timeout

This command configures the timeout period for Diameter requests.

Product

All

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Context Configuration > Credit Control Service Configuration

configure > context *context_name* **> credit-control-service** *service_name*

Syntax Description

request timeout *timeout*
{ default | no } request timeout

default

Configures the default setting.

no

Removes the previous request timeout configuration.

timeout

Specifies the timeout period in seconds. The value must be an integer from 1 through 300.

Usage Guidelines

Use this command to configure the Diameter request timeout value, after which the request is deemed to have failed. This timeout is an overall timeout, and encompasses all retries with the server(s).

Example 1

The following command configures the timeout period to *150* seconds:

request timeout 150

Example 2

The following example explains the expected behavior of Response timeout configured on P-GW diameter endpoint with first CCRI Max-Wait-Time AVP:

```
If(request-timeout < response-timeout)
{
   Maximum-waittime = request-timeout;
}
else{
Maximum-waittime = response-timeout;
}

Config 1 : Req-timeout = 100; resp-timeout = 7

  Request-timeout = 100%10 = 10
  Response-timeout = 7

Maximum-waitime = 7milliseconds


Config 2: Req-timeout = 100; resp-timeout = 11

  Request-timeout = 100%10 = 10
  Response-timeout = 11

Maximum-waitime = 10milliseconds
```



Note The P-GW assigns a Minimum timer value to the Maximum time AVP in the CCR-I message. If the configured response time out value is observed through the Maximum time AVP then under the **ims auth-service** configure the **no request timeout** option. For both the **diameter-endpoint** and **request-timeout** CLI, the range must be an integer from 1 to 300.