

Crypto Map IKEv2-IPv6 Payload Configuration Mode Commands

The Crypto Map IKEv2-IPv6 Payload Configuration Mode is used to assign the correct IPSec transform-set from a list of up to four different transform-sets, and to assign Mobile IP addresses.

Command Modes

Exec > Global Configuration > Context Configuration > Crypto Map IKEv2-IPv6 Configuration > Crypto Map IKEv2-IPv6 Payload Configuration

configure > context *context_name* **> crypto map** *map_name* **ikev2-ipv6 > payload** *payload_name* **match ipv6**

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(cfg-crypto-ikev2-ipv6-payload)#
```

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

- end, on page 1
- exit, on page 2
- ipsec, on page 2
- lifetime, on page 3
- rekey, on page 5

end

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

Product

All

Privilege

Security Administrator, Administrator

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.

Product

All

Privilege

Security Administrator, Administrator

Syntax Description

```
exit
```

Usage Guidelines

Use this command to return to the parent configuration mode.

ipsec

Configures the IPSec transform sets to be used for this crypto map payload.



Important HNBGW is not supported from Release 20 and later, and HeNBGW is not supported in Releases 20, 21.0 and 21.1. This command must not be used for HNBGW and HeNBGW in these releases. For more information, contact your Cisco account representative.

Product

ePDG

FA

GGSN

HA

HeNBGW

HNBGW

HSGW

MME

P-GW

PDSN

S-GW

SAEGW

SCM

SecGW

SGSN

Privilege

Security Administrator

Command Modes

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configure > context *context_name* **> crypto map** *map_name* **ikev2-ipv6 > payload** *payload_name* **match ipv6**

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(cfg-crypto-ikev2-ipv6-payload)#
```

Syntax Description

ipsec transform-set list *transform_set_name* **[** *transform_set_name* **] [** *transform_set_name* **] [** *transform_set_name* **]**
no ipsec transform-set list

no

Disables the transform set list.

ipsec transform-set list *transform_set_name*

Specifies the context-level name of the IKEv2 IPsec Child Security Association (SA) transform setto be used in the crypto map payload. This is a space-separated list. From 1 to 4 transform sets can be entered. *transform_set_name* is an alphanumeric string of 1 through 127 characters.

Usage Guidelines

Use this command to list the IPSec transform set(s) to use in this crypto map payload.

Example

The following command configures IPSec transform sets named *ipset1* and *ipset2* to be used in this crypto template payload:

```
ipsec transform-set list ipset1 ipset2
```

lifetime

Configures the number of seconds and/or kilobytes for IPSec Child SAs derived from this crypto template payload to exist.

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Exec > Global Configuration > Context Configuration > Crypto Map IKEv2-IPv6 Configuration > Crypto Map IKEv2-IPv6 Payload Configuration

configure > context *context_name* **> crypto map** *map_name* **ikev2-ipv6 > payload** *payload_name* **match ipv6**

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(cfg-crypto-ikev2-ipv6-payload)#
```

Syntax Description

```
lifetime { sec [ kilo-bytes kbytes ] | kilobytes kbytes }
default lifetime
```

default

Returns the lifetime value to the default setting of 86400 seconds.

sec

Specifies the number of seconds for IPSec Child Security Associations derived from this crypto template payload to exist. *sec* must be an integer from 60 through 604800. Default: 86400

kilo-bytes *kbytes*

Specifies lifetime in kilobytes for IPSec Child Security Associations derived from this Crypto Map. *kbytes* must be an integer from 1 through 2147483648.

Usage Guidelines

Use this command to configure the number of seconds and/or kilobytes for IPSec Child Security Associations derived from this crypto template payload to exist.

Example

The following command configures the IPSec child SA lifetime to be 120 seconds:

```
lifetime 120
```

rekey

Configures child security association rekeying.

Important HNBGW is not supported from Release 20 and later, and HeNBGW is not supported in Releases 20, 21.0 and 21.1. This command must not be used for HNBGW and HeNBGW in these releases. For more information, contact your Cisco account representative.

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Command Modes

Exec > Global Configuration > Context Configuration > Crypto Map IKEv2-IPv6 Configuration > Crypto Map IKEv2-IPv6 Payload Configuration

configure > context *context_name* **> crypto map** *map_name* **ikev2-ipv6 > payload** *payload_name* **match ipv6**

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(cfg-crypto-ikev2-ipv6-payload)#
```

Syntax Description

```
rekey [ keepalive ]
[ default | no ] rekey
```

default

Returns the feature to the default setting of disabled.

no

Disables this feature.

keepalive

If specified, a session will be rekeyed even if there has been no data exchanged since the last rekeying operation. By default rekeying is only performed if there has been data exchanged since the previous rekey.

Usage Guidelines

Use this command to enable or disable the ability to rekey IPSec Child SAs after approximately 90% of the Child SA lifetime has expired. The default, and recommended setting, is not to perform rekeying. No rekeying means the P-GW will not originate rekeying operations and will not process CHILD SA rekeying requests from the MS.

Example

The following command disables rekeying:

```
no rekey
```