



# 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.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<code>exit</code>
<b>Usage Guidelines</b>	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.

<b>Product</b>	ePDG FA GGSN HA HeNBGW HNBGW HSGW MME P-GW PDSN S-GW SAEGW SCM SecGW SGSN
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<b>Privilege</b>	Security Administrator
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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**

**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 set to 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.

**Important**

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**Product**

ePDG  
FA  
GGSN  
HA  
HeNBGW

HNBGW  
 HSGW  
 MME  
 P-GW  
 PDSN  
 S-GW  
 SAEGW  
 SCM  
 SecGW  
 SGSN

**Privilege**

Administrator

**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**

**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

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## Product

ePDG  
FA  
GGSN  
HA  
HeNBGW  
HNBGW  
HSGW  
MME  
P-GW  
PDSN  
S-GW  
SAEGW  
SCM  
SecGW  
SGSN

## Privilege

Security Administrator

## 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.

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**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
```