



## O Commands

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# oam-channel

```
{ oam-channel <val> } | { no oam-channel }
```

## Syntax Description

oam-channel	oam-channel used
<i>val</i>	2 - nvo3 tissa

## Command Mode

- /exec/configure/configngoamprofile

# oam

[no] oam

## Syntax Description

no	(Optional) Negate a command or set its defaults
oam	Configure MPLS OAM traffic Engineering Segment Routing liveness detection configurations

## Command Mode

- /exec/configure/sr/te/live-det/mpls

# oam

[no] oam

## Syntax Description

no	(Optional) Negate a command or set its defaults
oam	Configure MPLS OAM traffic Engineering Segment Routing liveness detection configurations

## Command Mode

- /exec/configure/sr/te/color/live-det/mpls

# oam

[no] oam

## Syntax Description

no	(Optional) Negate a command or set its defaults
oam	Configure MPLS OAM traffic Engineering Segment Routing liveness detection configurations

## Command Mode

- /exec/configure/sr/te/pol/live-det/mpls

# object-group ip address

[no] object-group ip address <ip-obj-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
object-group	Configure ACL object groups
ip	IP Object groups
address	Address object group
<i>ip-obj-name</i>	object-group name

## Command Mode

- /exec/configure

# object-group ip port

[no] object-group ip port <port-obj-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
object-group	Configure ACL object groups
ip	IP Object groups
port	IP port object group (can be used in IPv4 and IPv6 access-lists)
<i>port-obj-name</i>	object-group name

## Command Mode

- /exec/configure



# object-group ipv6 address

[no] object-group ipv6 address <ipv6-obj-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
object-group	Configure ACL object groups
ipv6	IPv6 Object groups
address	Address object group
<i>ipv6-obj-name</i>	object-group name

## Command Mode

- /exec/configure

## object-group udp relay ip address

[no] object-group udp relay ip address <obj-grp-name>

### Syntax Description

no	(Optional) Negate a command or set its defaults
object-group	Configure object groups
udp	Configure UDP
relay	Configure UDP Relay
ip	IP Object groups
address	Address object group
<i>obj-grp-name</i>	object-group name

### Command Mode

- /exec/configure

# object-track

[no] object-track <object-number> [ decrement <value> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
object-track	Associates track object to VRRP group
<i>object-number</i>	Set the object number to the group
decrement	(Optional) Decrements vrrp group priority when tracked object goes down
<i>value</i>	(Optional) Set the value to decrement from priority

## Command Mode

- /exec/configure/if-eth-any/vrrpv3

# ocsp url

[no] ocsp url <*s0*>

## Syntax Description

no	(Optional) Negate a command or set its defaults
ocsp	Configure trustpoint ocsp details
url	Configure trustpoint ocsp url
<i>s0</i>	ocsp url

## Command Mode

- /exec/configure/trustpoint

# on-demand color

[no] on-demand color <color>

## Syntax Description

no	(Optional) Negate a command or set its defaults
on-demand	Configure on-demand color
color	Color
<i>color</i>	Color

## Command Mode

- /exec/configure/sr/te

# operation-packet-priority normal

{ { no | default } operation-packet-priority | operation-packet-priority { normal | high } }

## Syntax Description

no	
default	Set a command to its defaults
operation-packet-priority	Set operation packet properties
high	Priority high
normal	Priority normal

## Command Mode

- /exec/configure/ip-sla/jitter

## option exporter-stats timeout

{ [ no ] option exporter-stats timeout <time> | no option exporter-stats timeout }

### Syntax Description

option	Version 9 Option Templates and Data
exporter-stats	Exporter Statistics Option
timeout	Option resend time
<i>time</i>	Time in seconds

### Command Mode

- /exec/configure/nfm-exporter-v9

# option interface-table timeout

{ [ no ] option interface-table timeout <time> | no option interface-table timeout }

## Syntax Description

option	Version 9 Option Templates and Data
interface-table	Interface Table Option
timeout	Option resend time
<i>time</i>	Time in seconds

## Command Mode

- /exec/configure/nfm-exporter-v9



# origin-as validate

[no] origin-as validate

## Syntax Description

no	(Optional) Negate a command or set its defaults
origin-as	RPKI origin-as validation related functionality
validate	Enable RPKI origin-as validation for routes received from ebgp neighbors

## Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6  
/exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

# origin-as validate signal ibgp

[no] origin-as validate signal ibgp

## Syntax Description

no	(Optional) Negate a command or set its defaults
origin-as	RPKI origin-as validation related functionality
validate	Enable RPKI origin-as validation for routes received from ebgp neighbors
signal	Send RPKI validation state using Origin Validation State Extended Community
ibgp	Send Origin Validation State Extended Community to ibgp neighbors

## Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6  
/exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

# originate-map

[no] originate-map <rmap-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
originate-map	Configure originate-map
<i>rmap-name</i>	Route-map name

## Command Mode

- /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

## ospfv3 authentication disable ipsec spi md5 sha1 key-chain

```
{ [ no ] ospfv3 authentication { disable | ipsec spi <spi_id> { md5 <akey> | sha1 <akey> | key-chain
<keychain_ah> } } } | { no ospfv3 authentication { disable | ipsec spi <spi_id> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
authentication	Enable Authentication
disable	Disable Authentication
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
md5	Use the MD5 algorithm
<i>akey</i>	Authentication Key
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name

### Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

# ospfv3 bfd

[no] ospfv3 bfd [ disable ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
bfd	Enable BFD on this interface
disable	(Optional) Disable BFD on this interface

## Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mgmt-config

## ospfv3 cost

{ ospfv3 cost <cost> } | { no ospfv3 cost [ <cost> ] }

### Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
cost	Cost associated with interface
<i>cost</i>	Cost value

### Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

# ospfv3 dead-interval

{ ospfv3 dead-interval <interval> } | { no ospfv3 dead-interval [ <interval> ] }

## Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
dead-interval	Dead interval
<i>interval</i>	(seconds)

## Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

## ospfv3 encryption disable ipsec spi esp 3des aes 128 authentication sha1

```
{ [ no ] ospfv3 encryption { disable | ipsec spi <spi_id> esp { 3des <ekey> | aes { 128 <ekey> } } authentication
{ sha1 <akey> | null } } } | { [ no ] ospfv3 encryption ipsec spi <spi_id> esp key-chain <keychain_enc>
authentication { key-chain <keychain_ah> | null } } } | { [ no ] ospfv3 encryption ipsec spi <spi_id> esp null
authentication { sha1 <akey> | key-chain <keychain_ah> } } } | { no ospfv3 encryption ipsec spi <spi_id> }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
encryption	Enable Encryption on this Interface
disable	Disable Encryption
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
esp	Specify encryption parameters
3des	Use the triple DES algorithm
<i>ekey</i>	Encryption Key
aes	Use the AES algorithm
128	Use the 128-bit AES algorithm
<i>ekey</i>	Encryption Key
authentication	Specify authentication parameters
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Encryption password key-chain
<i>keychain_enc</i>	Encryption key-chain name
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name
null	Use NULL authentication

### Command Mode



- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

# ospfv3 hello-interval

```
{ ospfv3 hello-interval <interval> } | { no ospfv3 hello-interval [ <interval> ] }
```

## Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
hello-interval	Hello interval
<i>interval</i>	(seconds)

## Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

# ospfv3 instance

```
{ ospfv3 instance <instance-id> } | { no ospfv3 instance [ <instance-id> ] }
```

## Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
instance	Instance identifier
<i>instance-id</i>	Instance identifier value

## Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

# ospfv3 mtu-ignore

[no] ospfv3 mtu-ignore

## Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
mtu-ignore	Disable OSPF MTU mismatch detection

## Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

# ospfv3 network broadcast

```
{ ospfv3 network { broadcast | point-to-point } } | { no ospfv3 network [ { broadcast | point-to-point } ] }
```

## Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
network	Network type
broadcast	Specify OSPF broadcast multi-access network
point-to-point	Specify OSPF point-to-point network

## Command Mode

- /exec/configure/if-broadcast /exec/configure/if-p2p /exec/configure/if-mgmt-config

# ospfv3 network point-to-point

{ ospfv3 network point-to-point } | { no ospfv3 network [ point-to-point ] }

## Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
network	Network type
point-to-point	Specify OSPF point-to-point network

## Command Mode

- /exec/configure/if-loopback

# ospfv3 passive-interface

[ default | no ] ospfv3 passive-interface

## Syntax Description

default	(Optional) Undo a command
no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
passive-interface	Suppress routing updates on the interface

## Command Mode

- /exec/configure/if-broadcast /exec/configure/if-p2p /exec/configure/if-mgmt-config

## ospfv3 priority

```
{ ospfv3 priority <prio> } | { no ospfv3 priority [ <prio> ] }
```

### Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
priority	Router priority
<i>prio</i>	Router priority

### Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config



# ospfv3 retransmit-interval

```
{ ospfv3 retransmit-interval <interval> } | { no ospfv3 retransmit-interval [ <interval> ] }
```

## Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
retransmit-interval	Packet retransmission interval
<i>interval</i>	(seconds)

## Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

# ospfv3 shutdown

[no] ospfv3 shutdown

## Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
shutdown	Shutdown ospf on this interface

## Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mgmt-config

# ospfv3 transmit-delay

```
{ ospfv3 transmit-delay <delay> } | { no ospfv3 transmit-delay [ <delay> ] }
```

## Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
transmit-delay	Packet transmission delay
<i>delay</i>	(seconds)

## Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

# other-config-flag

[no] other-config-flag <state>

## Syntax Description

no	(Optional) Negate a command or set its defaults
<i>state</i>	

## Command Mode

- /exec/configure/config-ra-guard

# otv-isis

otv-isis <tag>

## Syntax Description

otv-isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Routing process tag

## Command Mode

- /exec/configure

# otv isis authentication-check

[no] otv isis authentication-check

## Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
authentication-check	Check authentication on received hellos

## Command Mode

- /exec/configure/if-overlay /exec/configure/site-vlan

## otv isis authentication-type cleartext

{ otv isis authentication-type { cleartext | md5 } | no otv isis authentication-type [ { cleartext | md5 } ] }

### Syntax Description

no	Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
authentication-type	Set hello authentication type
cleartext	Cleartext
md5	HMAC-MD5

### Command Mode

- /exec/configure/if-overlay /exec/configure/site-vlan

## otv isis authentication key-chain

```
{ otv isis authentication key-chain <auth-keychain> | no otv isis authentication key-chain [ <auth-keychain> ] }
```

### Syntax Description

no	Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
authentication	Set hello authentication keychain
key-chain	Set hello authentication keychain
<i>auth-keychain</i>	authentication keychain

### Command Mode

- /exec/configure/if-overlay /exec/configure/site-vlan



# otv isis csnp-interval

[no] otv isis csnp-interval <sec>

## Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
csnp-interval	Set CSNP interval in seconds
<i>sec</i>	CSNP interval value

## Command Mode

- /exec/configure/if-overlay

# otv isis hello-interval

[no] otv isis hello-interval <sec>

## Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-interval	Set Hello interval in seconds
<i>sec</i>	Hello interval value

## Command Mode

- /exec/configure/if-overlay

# otv isis hello-interval

[no] otv isis hello-interval <sec>

## Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-interval	Set Hello interval in seconds
<i>sec</i>	Hello interval value

## Command Mode

- /exec/configure/site-vlan

## otv isis hello-multiplier

[no] otv isis hello-multiplier <multi>

### Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-multiplier	Set multiplier for Hello holding time
<i>multi</i>	Hello multiplier value

### Command Mode

- /exec/configure/site-vlan

# otv isis hello-multiplier

[no] otv isis hello-multiplier <multi>

## Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-multiplier	Set multiplier for Hello holding time
<i>multi</i>	Hello multiplier value

## Command Mode

- /exec/configure/if-overlay

## otv isis hello-padding

{ otv isis hello-padding | no otv isis hello-padding [ always ] }

### Syntax Description

no	Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-padding	Pad IS-IS hello PDUs to full MTU
always	(Optional) Pad every hello

### Command Mode

- /exec/configure/if-overlay /exec/configure/site-vlan

# otv isis lsp-interval

[no] otv isis lsp-interval <msec>

## Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
lsp-interval	Set LSP transmission interval
<i>msec</i>	LSP transmission interval (milliseconds)

## Command Mode

- /exec/configure/if-overlay

## otv isis metric

[no] otv isis metric <metric>

### Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
metric	Configure the metric for interface
<i>metric</i>	Default metric

### Command Mode

- /exec/configure/if-overlay



# otv isis priority

[no] otv isis priority <priority>

## Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
priority	Set priority for DIS election
<i>priority</i>	Priority value

## Command Mode

- /exec/configure/if-overlay

# overlay-encapsulation

overlay-encapsulation <encap-type> [ tunnel-control-frames [ <layer2-prot> ] ] | no overlay-encapsulation

## Syntax Description

no	Negate a command or set its defaults
overlay-encapsulation	NVE Overlay Encapsulation
<i>encap-type</i>	Configure encapsulation type
tunnel-control-frames	(Optional) tunnel protocol
<i>layer2-prot</i>	(Optional) configure specific protocol

## Command Mode

- /exec/configure/if-nve

# overwrite-vlan

[no] overwrite-vlan <ow-vlan-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
overwrite-vlan	Overwrite the system generated vlan
<i>ow-vlan-id</i>	

## Command Mode

- /exec/configure/static-host/vni

# owner

{ { no | default } owner | owner <text> }

## Syntax Description

no	
default	Set a command to its defaults
owner	Owner of Entry
<i>text</i>	Owner String

## Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp  
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho  
/exec/configure/ip-sla/http