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# callhome

callhome

## Syntax Description

callhome	Enter the callhome configuration mode
----------	---------------------------------------

## Command Mode

- /exec/configure

# callhome send configuration

callhome send configuration

## Syntax Description

callhome	callhome commands
send	send a command callhome message
configuration	configuration type

## Command Mode

- /exec

# callhome send diagnostic

callhome send diagnostic

## Syntax Description

callhome	callhome commands
send	send a command callhome message
diagnostic	dignostic command

## Command Mode

- /exec



# callhome send eem subject body

callhome send eem subject <s1> body <s2>

## Syntax Description

callhome	callhome commands
send	send a command callhome message
eem	eem action email
subject	action email subject
body	action email body
<i>s1</i>	subject-text string
<i>s2</i>	body-text string

## Command Mode

- /exec

# callhome test

callhome test

## Syntax Description

callhome	callhome commands
test	send a test callhome message

## Command Mode

- /exec

# callhome test inventory

callhome test inventory

## Syntax Description

callhome	callhome commands
test	send a test callhome message
inventory	send a dummy callhome inventory

## Command Mode

- /exec

# callhome test supfail

callhome test supfail

## Syntax Description

callhome	callhome commands
test	send a test callhome message
supfail	send a dummy callhome message about sup failure

## Command Mode

- /exec

# capability additional-paths receive

[ no | default ] capability additional-paths receive [ disable ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
capability	Advertise capability to the peer
additional-paths	Additional paths capability
receive	Additional paths Receive capability
disable	(Optional) Do not advertise additional paths Receive capability

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn

# capability additional-paths send

[ no | default ] capability additional-paths send [ disable ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
capability	Advertise capability to the peer
additional-paths	Additional paths capability
send	Additional paths Send capability
disable	(Optional) Do not advertise additional paths Send capability

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn

## capability suppress 4-byte-as

[ no | default ] capability suppress 4-byte-as

### Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
capability	Capability
suppress	Suppress sending out capability
4-byte-as	Suppress 4-byte AS Capability

### Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

# capability vrf-lite

[no] capability vrf-lite [ evpn ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
capability	Capability
vrf-lite	Enable VRF-lite support
evpn	(Optional) Ethernet VPN

## Command Mode

- /exec/configure/router-ospf/vrf



# capture session

[no] capture session <session-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
capture	Enable packet capture on this filter for session
session	Session ID <1-48> for this session
<i>session-id</i>	Session ID <1-48> for this session

## Command Mode

- /exec/configure/ipacl /exec/configure/ipv6acl /exec/configure/macacl /exec/configure/arpacl

# carrier-delay

carrier-delay { <sec\_val> | msec <msec\_val> } | no carrier-delay

## Syntax Description

no	Negate a command or set its defaults
carrier-delay	Specify delay for interface transitions
<i>sec_val</i>	Carrier Transitions delay seconds
msec	Carrier Transitions delay milliseconds
<i>msec_val</i>	Carrier Transitions delay milliseconds

## Command Mode

- /exec/configure/if-vlan-common

# cbts-member tunnel-te

[no] cbts-member tunnel-te <tunnel-num>

## Syntax Description

no	(Optional) Negate a command or set its defaults
cbts-member	Member Tunnel
tunnel-te	Tunnel Interface
<i>tunnel-num</i>	Tunnel Interface number

## Command Mode

- /exec/configure/if-te

# cd

cd <uri0>

## Syntax Description

cd	Change current directory
<i>uri0</i>	Enter the name of the directory

## Command Mode

- /exec

# cdp advertise v1

cdp advertise { v1 | v2 } | no cdp advertise [ v1 | v2 ]

## Syntax Description

no	Negate a command or set its defaults
cdp	Configure CDP parameters
advertise	Highest CDP version supported on the switch
v1	CDP Version 1
v2	CDP Version 2

## Command Mode

- /exec/configure

# cdp enable

[no] cdp enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP interface parameters
enable	Enable/disable CDP on the interface

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether  
/exec/configure/if-eth-base /exec/configure/if-mgmt-ether

# cdp enable

[no] cdp enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP interface parameters
enable	Enable/disable CDP on all interfaces

## Command Mode

- /exec/configure

## cdp format device-id

[no] cdp format device-id { mac-address | serial-number | system-name }

### Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP parameters
format	Device ID format for CDP
device-id	Device ID format for CDP
mac-address	Mac-address of the Chassis
serial-number	Chassis Serial Number/OUI
system-name	System name/Fully Qualified Domain Name (Default)

### Command Mode

- /exec/configure



# cdp holdtime

[no] cdp holdtime <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP parameters
holdtime	CDP hold time advertised (in seconds)
<i>i0</i>	CDP hold time advertised (in seconds)

## Command Mode

- /exec/configure

# cdp timer

[no] cdp timer <i1>

## Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP parameters
timer	CDP refresh time interval (in seconds)
<i>i1</i>	CDP refresh time interval (in seconds)

## Command Mode

- /exec/configure

## cfs clear message-context name session-id

cfs clear message-context name <cfs-dyn-app-name> session-id <i0>

### Syntax Description

cfs	CFS parameters
clear	clear message context
message-context	clear message context
name	clear message context for given application
<i>cfs-dyn-app-name</i>	Registered name of the local application
session-id	Seesion id of message context
<i>i0</i>	Seesion id

### Command Mode

- /exec

# cfs debug all

cfs debug all

## Syntax Description

cfs	CFS parameters
debug	Internal command for debugs
all	Internal command for debugs

## Command Mode

- /exec

# cfs distribute

[no] cfs distribute

## Syntax Description

no	(Optional) Negate a command or set its defaults
distribute	Enable fabric wide distribution

## Command Mode

- /exec/configure

## cfs eth cos

{ cfs eth cos <i0> | no cfs eth cos [ <i0> ] }

### Syntax Description

no	Negate a command or set its defaults
eth	ETH configurations
cos	Configure CFS Ethernet COS value
<i>i0</i>	COS Value Range

### Command Mode

- /exec/configure

# cfs eth distribute

[no] cfs eth distribute

## Syntax Description

no	(Optional) Negate a command or set its defaults
eth	ETH configurations
distribute	Enable CFS distribution over Ethernet

## Command Mode

- /exec/configure

# cfs ipv4 distribute

```
[no] cfs ipv4 { distribute | mcast-address <ip0> }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
ipv4	IPv4 configurations
distribute	Enable CFS distribution over IPv4
mcast-address	Configure IPv4 multicast address
<i>ip0</i>	Admin scope [239.255/16, 239.192/16-239.251/16]

## Command Mode

- /exec/configure



# cfs ipv6 distribute

```
[no] cfs ipv6 { distribute | mcast-address <ipv60> }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	IPv6 configurations
distribute	Enable CFS distribution over IPv6
mcast-address	Configure IPv6 multicast address

## Command Mode

- /exec/configure

## cfs merge all-fabrics name

cfs merge all-fabrics name <cfs-dyn-app-name> [ vsan <i0> ]

### Syntax Description

cfs	CFS parameters
merge	Resolve the merge failures
all-fabrics	Fabric wide within the scope of the application
name	Application name
<i>cfs-dyn-app-name</i>	Registered name of the local application
vsan	(Optional) For logical applications only
<i>i0</i>	(Optional) Vsan Id

### Command Mode

- /exec

# cfs region

[no] cfs region <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
region	Regions to limit the distribution scope of application(s)
<i>i0</i>	Region Id

## Command Mode

- /exec/configure

# change-password

change-password [ old-password <s1> new-password <s2> ]

## Syntax Description

change-password	Change your password
old-password	(Optional) Current password for the user
<i>s1</i>	(Optional) Current password for the user (clear text)
new-password	(Optional) New password for the user
<i>s2</i>	(Optional) New password for the user (clear text)

## Command Mode

- /exec

# channel-group

channel-group <channel-id> [ mode { active | passive | on } ]

## Syntax Description

channel-group	Configure port channel parameters
mode	(Optional) Specify channeling mode
active	(Optional) Set channeling mode to ACTIVE
passive	(Optional) Set channeling mode to PASSIVE
on	(Optional) Set channeling mode to ON
<i>channel-id</i>	Specify a port-channel number

## Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

# channel-group

[no] channel-group [ <channel-id> [ mode { active | passive | on } ] ]

## Syntax Description

no	Negate a command or set its defaults
channel-group	Configure port channel parameters
mode	(Optional) Specify channeling mode
active	(Optional) Set channeling mode to ACTIVE
passive	(Optional) Set channeling mode to PASSIVE
on	(Optional) Set channeling mode to ON
<i>channel-id</i>	(Optional) Specify a port-channel number

## Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

# channel-group

[no] channel-group

## Syntax Description

no	Negate a command or set its defaults
channel-group	Configure port channel parameters

## Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

# channel-group auto

channel-group auto | no channel-group auto

## Syntax Description

no	Negate a command or set its defaults
channel-group	add to/remove from a san-port-channel
auto	Enable Auto Creation of Port Channel

## Command Mode

- /exec/configure/if-fc /exec/configure/if-gig-ether /exec/configure/if-fcip



# channel-group force

channel-group <channel-id> force

## Syntax Description

channel-group	add to/remove from a san-port-channel
<i>channel-id</i>	Specify a san-port-channel number
force	Forcefully add a port

## Command Mode

- /exec/configure/if-fc /exec/configure/if-gig-ether /exec/configure/if-fcip

# channel-group force

channel-group <channel-id> force [ mode { active | passive | on } ] | no channel-group <channel-id> force [ mode { active | passive | on } ]

## Syntax Description

no	Negate a command or set its defaults
channel-group	add to/remove from a port-channel
<i>channel-id</i>	Specify a port-channel number
force	Forcefully add a port
mode	(Optional) Specify channeling mode
active	(Optional) Set channeling mode to ACTIVE
passive	(Optional) Set channeling mode to PASSIVE
on	(Optional) Set channeling mode to ON

## Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

# channel mode

[no] channel mode

## Syntax Description

no	Negate a command or set its defaults
channel	Set the channel mode for the san-port-channel interface
mode	Set the channel mode for the san-port-channel interface

## Command Mode

- /exec/configure/if-san-port-channel

# channel mode active

channel mode active | no channel mode active

## Syntax Description

no	Negate a command or set its defaults
channel	Set the channel mode for the san-port-channel interface
mode	Set the channel mode for the san-port-channel interface
active	configure ACTIVE san-port-channel

## Command Mode

- /exec/configure/if-san-port-channel

# chassis-serial

chassis-serial <chas-ser> | no chassis-serial

## Syntax Description

no	Negate the command
chassis-serial	Chassis serial number
<i>chas-ser</i>	Serial number

## Command Mode

- /exec/configure/fex

# checkpoint

```
checkpoint { [ <name> ] [ description <descr_str> ] | file <file_uri> }
```

## Syntax Description

checkpoint	Create configuration rollback checkpoint
<i>name</i>	(Optional) Checkpoint name
file	Create configuration rollback checkpoint to file
<i>file_uri</i>	Checkpoint file path
description	(Optional) checkpoint description for the given checkpoint
<i>descr_str</i>	(Optional) checkpoint description(can include spaces)

## Command Mode

- /exec

# checkpoint

[no] checkpoint <chkpoint\_name>

## Syntax Description

no	Negate a command or set its defaults
checkpoint	Delete configuration rollback checkpoint
<i>chkpoint_name</i>	Checkpoint name

## Command Mode

- /exec

# cipher-suite

[no] cipher-suite <suite>

## Syntax Description

cipher-suite	Configure Cipher Suite
<i>suite</i>	Cipher Suite options

## Command Mode

- /exec/configure/masec-policy



# class-map

[no] class-map [ type qos ] [ <any\_or\_all> ] <omap-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	(Optional) Specify the type of this class-map
qos	(Optional) Qos class
<i>any_or_all</i>	(Optional) Enter match-any or match-all
<i>omap-name</i>	class-map name

## Command Mode

- /exec/configure

## class-map type control-plane

[no] class-map type control-plane [ <opt\_any\_or\_all> ] <cmmap-name>

### Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
control-plane	Control-Plane
<i>opt_any_or_all</i>	(Optional) Enter match-any or match-all
<i>cmmap-name</i>	Class-map name

### Command Mode

- /exec/configure

## class-map type network-qos

[no] class-map type network-qos [ match-any ] <omap-name-nq>

### Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
network-qos	Network QoS class
match-any	(Optional) Match on any criteria
<i>omap-name-nq</i>	class-map name

### Command Mode

- /exec/configure

## class-map type psp

```
[no] class-map type psp [ <any_or_all> ] { <cmmap-name-plc> | { handle <ppf_id> } } [ sequence <seq_no> ] [ client <clienttype> <clientID> ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
psp	PSP class
<i>any_or_all</i>	(Optional) Enter match-any or match-all
<i>cmmap-name-plc</i>	class-map name
handle	Handle
<i>ppf_id</i>	PPF ID
sequence	(Optional) sequence
<i>seq_no</i>	(Optional) Sequence number
client	(Optional) set client type
<i>clienttype</i>	(Optional) cli/onep
<i>clientID</i>	(Optional) client appID

### Command Mode

- /exec/configure

## class-map type queuing

```
[no] class-map type queuing [ <any_or_all> ] { xxx <cmap-enum-name> | <cmap-dce-name> | zzz
<cmap-name-hque> }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
queuing	Queuing class
<i>any_or_all</i>	(Optional) Enter match-any
<i>cmap-enum-name</i>	
xxx	xxx
zzz	zzz
<i>cmap-dce-name</i>	Queuing class-map name
<i>cmap-name-hque</i>	Hierarchical class-map name

### Command Mode

- /exec/configure

## class-map type queuing

[no] class-map type queuing { < cmap-dce-name > }

### Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
queuing	Queuing class
<i>cmap-dce-name</i>	Queuing class-map name

### Command Mode

- /exec/configure

# class

```
class { <cmmap-name> [ insert-before <cmmap-name2> ] | class-default } | no class { <cmmap-name> | class-default }  
}
```

## Syntax Description

no	Negate a command or set its defaults
class	Attach class map to policy map
<i>cmmap-name</i>	Class-map name
insert-before	(Optional) Insert this class before another class
<i>cmmap-name2</i>	(Optional) class map name before which insertion should happen
class-default	Use class default

## Command Mode

- /exec/configure/pmap

# class

```
[no] class [ type qos ] <omap-name> [ insert-before [ type qos1 ] <omap-name2> ]
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
class	Policy Criteria
type	(Optional) Specify the type of class
qos	(Optional) Match on Qos class
<i>omap-name</i>	class map name
insert-before	(Optional) Insert this class before another class
qos1	(Optional) Insert before Qos class
<i>omap-name2</i>	(Optional) class map name

## Command Mode

- /exec/configure/policy-map



## class \_\_inline\_\_

[no] class \_\_inline\_\_ [ type psp ] <omap-name-plc> [ insert-before <omap-name2> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
class	Policy Criteria
__inline__	Inline Class
type	(Optional) Specify the type of class
psp	(Optional) Match on PSP class
<i>omap-name-plc</i>	class map name
insert-before	(Optional) Insert this class before another class
<i>omap-name2</i>	(Optional) class map name

### Command Mode

- /exec/configure/policy-map/type/plc

# class class-default

[no] class class-default

## Syntax Description

no	(Optional) Negate a command or set its defaults
class	Policy Criteria
class-default	System default class matching otherwise unclassified packets

## Command Mode

- /exec/configure/policy-map

# class type network-qos

[no] class type network-qos <cmmap-name-nq>

## Syntax Description

no	(Optional) Negate a command or set its defaults
class	Match on network-qos class-map
type	Specify the type of this class-map
network-qos	Network QoS policy
<i>cmmap-name-nq</i>	Match class-map name

## Command Mode

- /exec/configure/policy-map/type/uf

# class type network-qos class-default

[no] class type network-qos class-default

## Syntax Description

no	(Optional) Negate a command or set its defaults
class	Match on network-qos class-map
type	Specify the type of this class-map
network-qos	Network QoS policy
class-default	System default class matching otherwise not classified cos values

## Command Mode

- /exec/configure/policy-map/type/uf

## class type psp

```
[no] class type psp { <omap-name-plc> | { handle1 <ppf_id1> } } [ insert-before { <omap-name2> | { handle2 <ppf_id2> } } ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
class	Policy Criteria
type	Specify the type of class
psp	Match on PSP class
<i>omap-name-plc</i>	class map name
handle1	Handle1
<i>ppf_id1</i>	PPF ID1
insert-before	(Optional) Insert this class before another class
<i>omap-name2</i>	(Optional) class map name
handle2	(Optional) Handle2
<i>ppf_id2</i>	(Optional) PPF ID2

### Command Mode

- /exec/configure/policy-map/type/plc

## class type queuing

```
[no] class type queuing { xxx <omap-enum-name> | <omap-dce-name> | zzz <omap-name-hque> } [
insert-before type queuingl yyy <xomap-enum-name> ]
```

### Syntax Description

xxx	xxx
yyy	(Optional) yyy
zzz	zzz
no	(Optional) Negate a command or set its defaults
class	Policy Criteria
type	Specify the type of class
queuing	Match on Queuing class
<i>omap-enum-name</i>	
<i>omap-dce-name</i>	Queuing class-map name
<i>omap-name-hque</i>	Hierarchical class-map name
insert-before	(Optional) Insert this class before another class
queuingl	(Optional) Insert before Queuing class
<i>xomap-enum-name</i>	(Optional)

### Command Mode

- /exec/configure/policy-map/type/queuing

# clean ip bfd

clean ip bfd

## Syntax Description

clean	Clean internal datastructures
ip	IP related information
bfd	clean ip bfd datastructures

## Command Mode

- /exec

# clean ipv6 bfd

clean ipv6 bfd

## Syntax Description

clean	Clean internal datastructures
ipv6	IPV6 related information
bfd	clean ip bfd datastructures

## Command Mode

- /exec



# clear

```
clear { { ip route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] } | { routing [ vrf { <vrf-name> | <vrf-known-name> } ] [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] } } { <all> | { { <ip-addr> | <ip-prefix> } [ <nh-addr> | <nh-addr-v6> ] [ <nh-interface> ] } } [ no-ufdm ]
```

## Syntax Description

clear	Reset functions
route	Clear routing information
routing	Clear routing information
vrf	(Optional) Clear per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	Clear IP commands
ipv4	(Optional) Clear IP commands
unicast	(Optional) Clear unicast information
topology	(Optional) Clear per-topology information
<i>topology-name</i>	(Optional) Topology name
all	Clear all routes
<i>ip-addr</i>	Clear single host route
<i>ip-prefix</i>	Clear single exact match route
<i>nh-addr</i>	(Optional) Clear single path
<i>nh-interface</i>	(Optional) Interface Name
no-ufdm	(Optional) Do not tell UFDm about the change

## Command Mode

- /exec

# clear

```
clear { { ipv6 route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] } | { routing [ vrf { <vrf-name> |
<vrf-known-name> } ] ipv6 [ unicast ] [ topology <topology-name> ] } } { <all> | { { <ipv6-addr> |
<ipv6-prefix> } [ <nh-addr> <nh-interface> ] } } [ no-ufdm ]
```

## Syntax Description

clear	Reset functions
route	Clear routing information
routing	Clear routing information
vrf	(Optional) Clear per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Clear IPv6 commands
unicast	(Optional) Clear unicast information
topology	(Optional) Clear per-topology information
<i>topology-name</i>	(Optional) Topology name
all	Clear all routes
<i>nh-interface</i>	(Optional) Interface Name
no-ufdm	(Optional) Do not tell UFDm about the change

## Command Mode

- /exec

# clear

```
clear { { ip eigrp [ <eigrp-ptag> ] topology { { <address> <mask> } | { <prefix> } } [ vrf { <vrf-name> |
<vrf-known-name> | all } ] } | { ipv6 eigrp [ <eigrp-ptag> ] topology { <ipv6-prefix> } [ vrf { <vrf-name> |
<vrf-known-name> | all } ] } }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
topology	Clear IP-EIGRP topology table entry
<i>address</i>	Network to display information about
<i>mask</i>	Network mask
<i>prefix</i>	IP prefix <network>/<length>, e.g., 192.168.0.0/16
<i>eigrp-ptag</i>	(Optional)

## Command Mode

- /exec

# clear

```
clear { { ip eigrp [ <eigrp-ptag> ] neighbors { * | <address> | <interface> } [ soft ] [ no-goodbye ] [ vrf {
<vrf-name> | <vrf-known-name> | all } ] } | { ipv6 eigrp [ <eigrp-ptag> ] neighbors { * | <ipv6-addr> |
<interface> } [ soft ] [ no-goodbye ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
neighbors	Clear EIGRP neighbors
*	Clear all EIGRP neighbors
<i>address</i>	IP-EIGRP neighbor address
<i>interface</i>	Interface
soft	(Optional) Soft reset
no-goodbye	(Optional) No goodbye
<i>eigrp-ptag</i>	(Optional)

## Command Mode

- /exec

# clear aaa local user blocked username

```
clear aaa local user blocked { username <s0> | all }
```

## Syntax Description

clear	Reset functions
aaa	Configure aaa functions
local	Local username
user	Local system user
blocked	Clear blocked user
username	Blocked username
<i>s0</i>	Enter the username
all	Clear all the blocked users

## Command Mode

- /exec

## clear access-list counters

```
clear [ <ip_ipv6_mac> ] access-list counters [ <name> ]
```

### Syntax Description

clear	Reset functions
<i>ip_ipv6_mac</i>	(Optional) IP/IPv6/MAC
access-list	Clear access list statistical information
counters	Clear access list counters
<i>name</i>	(Optional) List name

### Command Mode

- /exec

## clear access-list hardware counters

clear access-list hardware counters [ module <module> ]

### Syntax Description

clear	Reset functions
access-list	Clear access list statistical information
hardware	hardware information
counters	Clear access list counters
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

### Command Mode

- /exec

## clear access-list ipsg stats

```
clear access-list ipsg stats [ module <module> ] [ instance <instance_number> ]
```

### Syntax Description

clear	Reset functions
access-list	access-list
ipsg	ipsg
stats	Clear Statistics of IPSG drop entries
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
<i>instance_number</i>	(Optional) ASIC Instance Number in Decimal

### Command Mode

- /exec



# clear accounting log

clear accounting log

## Syntax Description

clear	Reset functions
accounting	Clear accounting log(s) in all vdc's
log	Clear the accounting log(s) in all vdc's

## Command Mode

- /exec

# clear aclqos cl-qos

clear aclqos cl-qos

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
cl-qos	cl-qos logs of ACLQOS

## Command Mode

- /exec

# clear aclqos fab

clear aclqos fab

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
fab	Fabric logs of ACLQOS

## Command Mode

- /exec

# clear aclqos fc

clear aclqos fc

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
fc	fc logs of ACLQOS

## Command Mode

- /exec

# clear aclqos libdrv

clear aclqos libdrv

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
libdrv	libdrv logs of ACLQOS

## Command Mode

- /exec

# clear aclqos map

clear aclqos map

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
map	map logs of ACLQOS

## Command Mode

- /exec

# clear aclqos merge

clear aclqos merge

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
merge	merge logs of ACLQOS

## Command Mode

- /exec

# clear aclqos pl

clear aclqos pl

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
pl	pl logs of ACLQOS

## Command Mode

- /exec



# clear aclqos ppf-parse

clear aclqos ppf-parse

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
ppf-parse	ppf-parse logs of ACLQOS

## Command Mode

- /exec

# clear aclqos ppf

clear aclqos ppf

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
ppf	ppf logs of ACLQOS

## Command Mode

- /exec

# clear aclqos qng-hw

clear aclqos qng-hw

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
qng-hw	Qng logs of ACLQOS

## Command Mode

- /exec

# clear aclqos qng

clear aclqos qng

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
qng	Qng logs of ACLQOS

## Command Mode

- /exec

# clear aclqos rl

clear aclqos rl

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
rl	RL logs of ACLQOS

## Command Mode

- /exec

# clear aclqos rm

clear aclqos rm

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
rm	RM logs of ACLQOS

## Command Mode

- /exec

# clear aclqos sch

clear aclqos sch

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
sch	Sch logs of ACLQOS

## Command Mode

- /exec

# clear aclqos stats

clear aclqos stats

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
stats	stats logs of ACLQOS

## Command Mode

- /exec



# clear aclqos tbl

clear aclqos tbl

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
tbl	tbl logs of ACLQOS

## Command Mode

- /exec

# clear aclqos trace-detail

clear aclqos trace-detail

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
trace-detail	detail logs of ACLQOS

## Command Mode

- /exec

# clear aclqos trace

clear aclqos trace

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
trace	trace logs of ACLQOS

## Command Mode

- /exec

# clear aclqos uf

clear aclqos uf

## Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
uf	UF logs of ACLQOS

## Command Mode

- /exec

# clear bfd statistics

clear bfd statistics

## Syntax Description

clear	Clear
bfd	bfd
statistics	statistics

## Command Mode

- /exec

## clear bgp

```
clear bgp { ipv4 { unicast | multicast } policy statistics { { redistribute [ { { eigrp | isis | ospf | rip } <tag> } |
static | direct | amt | lisp | hmm ] } } | { neighbor <neighbor-id> [ default-originate | { route-map | filter-list |
prefix-list } { in | out } ] } } | { dampening } } | { network { <ip-addr> mask <ip-mask> | <ip-prefix> } } } | {
aggregate-address { <ip-addr> <ip-mask> | <ip-prefix> } { suppress-map | advertise-map } } } | { vpnv4 |
vpnv6 } unicast policy statistics { neighbor <neighbor-id> [ { route-map | filter-list | prefix-list } { in | out }
] } } | ipv6 { unicast | multicast } policy statistics { { redistribute [ { { eigrp | isis | ospfv3 | rip } <tag> } | static
| direct | amt | lisp | hmm ] } } | { neighbor { <neighbor-id> | <ipv6-neighbor-id> } [ default-originate | { route-map
| filter-list | prefix-list } { in | out } ] } } | { dampening } } | { network <ipv6-prefix> } } | { aggregate-address
<ipv6-prefix> { suppress-map | advertise-map } } } }
```

### Syntax Description

clear	Reset functions
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpnv4	Clear VPNv4 address-family
vpnv6	Clear VPNv6 address-family
bgp	Clear BGP sessions
unicast	Clear unicast address-family
multicast	Clear multicast address-family
policy	Clear policy related information
statistics	Clear Route Filter statistics
redistribute	Statistics for redistribution
isis	(Optional) ISO IS-IS
ospf	(Optional) Open Shortest Path First (OSPF)
ospfv3	(Optional) Open Shortest Path First v3
rip	(Optional) Routing Information Protocol
eigrp	(Optional) Enhanced Interior Gateway Protocol
static	(Optional) Static routes
direct	(Optional) Directly connected
amt	(Optional) AMT anycast prefix
lisp	(Optional) LISP EID-prefixes in the non-default VRF
hmm	(Optional) HMM prefix

<i>tag</i>	(Optional) Source protocol tag
neighbor	Clear neighbor specific counters
<i>neighbor-id</i>	Neighbor IPv4 address
route-map	(Optional) Neighbor route-map
prefix-list	(Optional) Neighbor prefix-list
filter-list	(Optional) Neighbor filter-list
out	(Optional) Outbound policy
in	(Optional) Inbound policy
default-originate	(Optional) Default-originate policy
dampening	Clear dampening info
network	Configured IP prefix to advertise
aggregate-address	Configured BGP aggregate prefixes
suppress-map	Statistics of suppress policy
advertise-map	Statistics of advertise policy
<i>ip-addr</i>	IP network advertised
mask	Configured mask of the IP prefix advertised
<i>ip-mask</i>	Dotted 4-octet mask
<i>ip-prefix</i>	IP prefix in CIDR format

### Command Mode

- /exec

## clear bgp event-history

clear bgp event-history { <bgp-event-hist> | detail | all | msgs }

### Syntax Description

clear	Reset functions
bgp	Clear BGP sessions
event-history	Clear event-history buffers
<i>bgp-event-hist</i>	Event History
detail	Show detailed event logs
all	All event history buffers
msgs	Clear message logs of BGP

### Command Mode

- /exec



# clear bgp private

```
clear bgp private { all | global | threads | session | debug | io | memory | af | damp | lists | attr [ <ip-prefix> |
<ipv6-prefix> ] | rpm-info [ <rpm-name> { <ip-prefix> | <ipv6-prefix> } ] | neighbor { <neighbor-id> |
<ipv6-neighbor-id> } | slab | mqstat | ipc | rnh | rpm-attribute-cache | rpm-comm-attr-cache | peer-template
<peer-template-name> | aggregates [ summary ] | bestpath }
```

## Syntax Description

clear	Reset functions
bgp	Clear BGP sessions
private	Clear internal BGP counters
all	Clear all info
global	Clear global info
threads	Clear thread info
session	Clear session info
debug	Clear debug info
io	Clear IO info
memory	Clear memory info
af	Clear AF info
damp	Clear dampening info
lists	Clear BGP internal lists
attr	Clear BGP attributes
rpm-info	Clear BGP policy outbound info
<i>ip-prefix</i>	(Optional) Clear attribute for a prefix
neighbor	Clear neighbor specific counters
<i>neighbor-id</i>	Neighbor IP address
<i>rpm-name</i>	(Optional) Route-map name
slab	Clear information about SLABs used
mqstat	Clear message queue stats
ipc	Clear ipc information
rnh	Clear recursive next hops

aggregates	Clear information about aggregates
rpm-attribute-cache	Clear rpm attribute cache statistics
rpm-comm-attr-cache	Clear rpm community attribute cache statistics
peer-template	Clear information about a peer-template
bestpath	Clear internal information about bestpath
summary	(Optional) Summary only
<i>peer-template-name</i>	Peer-template name

**Command Mode**

- /exec

# clear bootvar log

clear bootvar log

## Syntax Description

clear	Reset functions
bootvar	Clear the bootvar log
log	Clear the bootvar log

## Command Mode

- /exec

## clear cdp counters

```
clear cdp { counters [ interface <if0> ] | table [ interface1 <if1> ] }
```

### Syntax Description

clear	Reset functions
cdp	Cisco Discovery Protocol
counters	Clear CDP counters on all interfaces
interface	(Optional) Clear CDP counters on an interface
<i>if0</i>	(Optional)
table	Clear CDP cache on all interfaces
interface1	(Optional) Clear CDP cache on an interface
<i>if1</i>	(Optional)

### Command Mode

- /exec

# clear checkpoint database

clear checkpoint database [ user | system ]

## Syntax Description

clear	Reset functions
checkpoint	Clear configuration rollback checkpoint
database	Clear configuration rollback checkpoint database
user	(Optional) Clear configuration rollback checkpoint database for user checkpoints
system	(Optional) Clear configuration rollback checkpoint database for system checkpoints

## Command Mode

- /exec

# clear cli history

clear cli history

## Syntax Description

clear	Reset functions
cli	debug cli
history	history of cli commands

## Command Mode

- /exec

# clear controller l2-vxlan accounting log

clear controller l2-vxlan <ctrl-id> accounting log

## Syntax Description

clear	Show running system information
controller	Controller command
l2-vxlan	l2-vxlan
<i>ctrl-id</i>	Controller id value
accounting	Accounting
log	Clear log information

## Command Mode

- /exec

# clear copp statistics

clear copp statistics

## Syntax Description

clear	Reset functions
copp	Clear policy information for copp
statistics	Clear statistics

## Command Mode

- /exec



# clear cores

clear cores

## Syntax Description

clear	Reset functions
cores	clear all core dumps for the switch

## Command Mode

- /exec

# clear cores archive

clear cores archive [ file <s0> ]

## Syntax Description

clear	Reset functions
cores	clear all cores for this vdc
archive	clear all core dump files for this vdc from logflash on this module
file	(Optional) delete a core file on logflash
s0	(Optional) Name of file in directory 'core

## Command Mode

- /exec

# clear counters

clear counters

## Syntax Description

clear	Reset functions
counters	Clear counters

## Command Mode

- /exec

## clear counters buffers

```
clear counters buffers [ module <module> [ instance <instance> ] ] [ __readonly__ <clear_valid> ]
```

### Syntax Description

clear	Reset functions
counters	Clear counters
buffers	Clear system buffer max cell usage counter
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
<i>instance</i>	(Optional) ASIC Instance Number in Decimal
<u>__readonly__</u>	(Optional) Read Only
<i>clear_valid</i>	(Optional) Clear

### Command Mode

- /exec

# clear counters interface

clear counters interface <ifindex>

## Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
<i>ifindex</i>	Clear interface counters

## Command Mode

- /exec

# clear counters interface

clear counters interface <ifindex1>

## Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
<i>ifindex1</i>	Clear interface counters

## Command Mode

- /exec

# clear counters interface

clear counters interface <ifid>

## Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
<i>ifid</i>	Clear interface counters

## Command Mode

- /exec

# clear counters interface all

clear counters interface all

## Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
all	Clear all interface counters

## Command Mode

- /exec



# clear counters mpls strip

clear counters mpls strip

## Syntax Description

clear	Reset functions
mpls	Configure MPLS settings
strip	Stripping of MPLS headers
counters	stats/counters for labels

## Command Mode

- /exec

## clear counters tah-buffers

```
clear counters tah-buffers [ module <module> ] [ { instance <instance> | { unit <unit> slice <slice> } } ]
```

### Syntax Description

clear	Reset functions
counters	Clear counters
tah-buffers	Clear system buffer max cell usage counter
instance	(Optional) ASIC Instance Number
<i>instance</i>	(Optional) ASIC Instance Number in Decimal
unit	(Optional) Asic Number
<i>unit</i>	(Optional) Asic Number on the module
slice	(Optional) slice num on asic
<i>slice</i>	(Optional) slice number on asic
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

### Command Mode

- /exec

# clear cts cache

clear cts cache

## Syntax Description

clear	Reset functions
cts	Clear CTS parameters
cache	Clear CTS cache file

## Command Mode

- /exec

# clear cts policy

clear cts policy { all | peer <peer> | sgt <sgt> }

## Syntax Description

clear	Reset functions
cts	Clear CTS parameters
policy	Clear CTS policies
all	Clear all CTS policies
peer	Clear CTS policies by peer-id
<i>peer</i>	Peer identity
sgt	Clear CTS policies by sgt
<i>sgt</i>	sgt value

## Command Mode

- /exec

# clear cts role-based counters

clear cts role-based counters

## Syntax Description

clear	Reset functions
cts	Show CTS related information
role-based	RBACL related information
counters	Clear counters for all RBACL policies

## Command Mode

- /exec

# clear debug-logfile

clear debug-logfile <*s0*>

## Syntax Description

clear	Reset functions
debug-logfile	Remove the debug logfile
<i>s0</i>	Provide name of the file

## Command Mode

- /exec

# clear debug logfile

clear debug logfile <s0>

## Syntax Description

clear	Reset functions
debug	Debugging functions
logfile	Remove the debug logfile
<i>s0</i>	Provide name of the file

## Command Mode

- /exec

# clear dot1x all

```
{ clear dot1x all } | { clear dot1x interface <if> }
```

## Syntax Description

clear	Reset functions
dot1x	dot1x configuration commands
all	authenticator instances on all interfaces
<i>if</i>	target interface

## Command Mode

- /exec



# clear dot1x supplicant all

```
{ clear dot1x supplicant all } | { clear dot1x supplicant interface <if> }
```

## Syntax Description

clear	Reset functions
dot1x	dot1x configuration commands
all	instances on all interfaces
supplicant	802.1x supplicant
<i>if</i>	target interface

## Command Mode

- /exec

## clear evb hosts

```
clear evb { hosts | vsi } [ force-standby ] *
```

### Syntax Description

clear	Reset functions
evb	EVB (Edge Virtual Bridge)
hosts	Clear EVB host information
vsi	Clear EVB vsi information
force-standby	(Optional) Force to clear standby entries
*	Clear all entries (Should be a * character)

### Command Mode

- /exec

## clear evb hosts

```
clear evb { hosts | vsi } [ force-standby ] [ { [ mac <mac-addr> | interface <intf-name> | vlan <vlan-id> | vni
<vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> ] + } ]
```

### Syntax Description

clear	Reset functions
evb	EVb (Edge Virtual Bridge)
hosts	Clear EVb host information
vsi	Clear EVb vsi information
force-standby	(Optional) Force to clear standby entries
mac	(Optional) Clear entries by filtering MAC address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Clear entries by filtering interface
<i>intf-name</i>	(Optional) Interface name
vlan	(Optional) Clear entries by filtering VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) Clear entries by filtering VNI
<i>vni-id</i>	(Optional) VNI
ip	(Optional) Clear entries by filtering IP address
ipv6	(Optional) Clear entries by filtering IPv6 address
<i>ip-addr</i>	(Optional) IPV4 host address

### Command Mode

- /exec

# clear evb statistics

clear evb statistics

## Syntax Description

clear	Reset functions
evb	EVB (Edge Virtual Bridge)
statistics	Clear EVB Statistics

## Command Mode

- /exec

## clear fabric database dci vrf node-id

```
clear fabric database dci vrf { <vrf-name> | <vrf-known-name> } node-id <mgmt-ip-address> [ peer-id  
<peer-ip-address> ]
```

### Syntax Description

clear	Reset functions
fabric	Fabric
database	Fabric Database
dci	DCI profile
vrf	Display per-VRF information
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
node-id	management ip address of this node
<i>mgmt-ip-address</i>	IP address in CIDR format
peer-id	(Optional) management ip address of peer
<i>peer-ip-address</i>	(Optional) IP address in CIDR format

### Command Mode

- /exec

## clear fabric database host all vni

```
{ clear fabric database host { all | { vni <vni-id> } | { dot1q <vlan-id> } } [ re-sync ] } | { clear fabric database host vni <vni-id> re-apply } | { clear fabric database client uuid <uuid> }
```

### Syntax Description

clear	Reset functions
fabric	
database	
host	Active Host to profile mapping
vni	Virtual Network Identifier
<i>vni-id</i>	
dot1q	Dot1Q Encapsulation
<i>vlan-id</i>	
re-apply	Download new config parameters and re-apply
re-sync	(Optional) Force to sync the host entry
all	Remove all entries
client	Auto-config client
uuid	Auto-config client UUID
<i>uuid</i>	UUID

### Command Mode

- /exec

# clear fabric database host statistics

clear fabric database host statistics

## Syntax Description

clear	Reset functions
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
statistics	Statistics

## Command Mode

- /exec

# clear fabric database include-vrf

clear fabric database include-vrf <vrf-name>

## Syntax Description

clear	Reset functions
fabric	
database	
include-vrf	Include VRF name
<i>vrf-name</i>	VRF name

## Command Mode

- /exec



## clear fabric database statistics

```
clear fabric database statistics [ type { network | profile | cabling | partition | bl-dci } [ server-proto ldap { ip
<ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ] ] ]
```

### Syntax Description

clear	Reset functions
fabric	Fabric
database	Clear Fabric Database
statistics	Clear database statistics
type	(Optional) Enter database type
network	(Optional) Network Database
profile	(Optional) Port or Switch Profile Database
cabling	(Optional) Cable Management Database
partition	(Optional) Partition Database
bl-dci	(Optional) Border Leaf - DCI
server-proto	(Optional) Enter database protocol
ldap	(Optional) Use LDAP
ip	(Optional) IP address of server
<i>ipaddr</i>	(Optional) Enter IP address of server
host	(Optional) Hostname of server
<i>hostname</i>	(Optional) Enter hostname of server
port	(Optional) Port
<i>portnum</i>	(Optional) Enter port number
vrf	(Optional) vrf context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec

## clear fabric database statistics type server-proto xmpp ip

```
clear fabric database statistics type { network | profile | cabling | partition | bl-dci } server-proto xmpp { ip
<ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

### Syntax Description

clear	Reset functions
fabric	Fabric
database	Clear Fabric Database
statistics	Clear database statistics
type	Enter database type
network	Network Database
profile	Port or Switch Profile Database
cabling	Cable Management Database
partition	Partition Database
bl-dci	Border Leaf - DCI
server-proto	Enter database protocol
xmpp	Use XMPP
ip	IP address of server
<i>ipaddr</i>	Enter IP address of server
host	Hostname of server
<i>hostname</i>	Enter hostname of server
port	(Optional) Port
<i>portnum</i>	(Optional) Enter port number
vrf	(Optional) vrf context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec

# clear fabric database statistics type server-proto radius group

```
clear fabric database statistics type { network | profile | cabling | partition | bl-dci } server-proto radius group
<groupname>
```

## Syntax Description

clear	Reset functions
fabric	Fabric
database	Clear Fabric Database
statistics	Clear database statistics
type	Enter database type
network	Network Database
profile	Port or Switch Profile Database
cabling	Cable Management Database
partition	Partition Database
bl-dci	Border Leaf - DCI
server-proto	Enter database protocol
radius	Use RADIUS
group	AAA group
<i>groupname</i>	Enter AAA group name of servers

## Command Mode

- /exec

# clear fabricpath counters dropped

clear fabricpath counters dropped [ module <module> ] [ \_\_readonly\_\_ <mod\_bmp> <vdc\_id> <msg> ]

## Syntax Description

clear	Reset functions
fabricpath	clear fabricpath information
counters	Clear fabricpath counters
dropped	Packets dropped due to various vlan errors
module	(Optional) Specify one counter
<i>module</i>	(Optional) Module number
__readonly__	(Optional) Read Only
<i>mod_bmp</i>	(Optional) Bitmap of valid modules
<i>vdc_id</i>	(Optional) Current VDC id
<i>msg</i>	(Optional) Message to give details about command execution

## Command Mode

- /exec

# clear fabricpath isis adjacency

```
clear fabricpath isis [ <l2mp-isis-tag> ] adjacency { * | { <interface> | system-id <sid> } + }
```

## Syntax Description

clear	Reset functions
fabricpath	Clear fabricpath information
isis	Fabricpath IS-IS information
<i>l2mp-isis-tag</i>	(Optional) Fabricpath domain tag
adjacency	Clear IS-IS adjacency state
*	IS-IS adjacencies on all interfaces
<i>interface</i>	IS-IS interface
system-id	Hostname or System ID
<i>sid</i>	Hostname or System ID (in the form of XXXX.XXXX.XXXX)

## Command Mode

- /exec

# clear fabricpath isis statistics

clear fabricpath isis [ <l2mp-isis-tag> ] statistics \*

## Syntax Description

clear	Reset functions
fabricpath	Clear fabricpath information
isis	Fabricpath IS-IS information
<i>l2mp-isis-tag</i>	(Optional) Fabricpath domain tag
statistics	Clear IS-IS protocol statistics
*	All IS-IS protocol statistics

## Command Mode

- /exec

# clear fabricpath isis traffic

```
clear fabricpath isis [ <l2mp-isis-tag> ] traffic { * | <interface> }
```

## Syntax Description

clear	Reset functions
fabricpath	Clear fabricpath information
isis	Fabricpath IS-IS information
<i>l2mp-isis-tag</i>	(Optional) Fabricpath domain tag
traffic	Clear IS-IS traffic information
*	All IS-IS traffic information
<i>interface</i>	IS-IS interface

## Command Mode

- /exec

# clear fc2

clear fc2 [ counters ]

## Syntax Description

clear	Reset functions
fc2	Clear FC2 Port Counters
counters	(Optional) Clear All FC2/FCoE Port Counters

## Command Mode

- /exec



# clear fctimer session

clear fctimer session

## Syntax Description

clear	Reset functions
fctimer	clear fctimer cfs session
session	abort an existing cfs session

## Command Mode

- /exec

# clear flow exporter

clear flow exporter [ name ] <exportername>

## Syntax Description

clear	Reset functions
flow	NetFlow information
exporter	Clear NetFlow exporter statistics
name	(Optional) The name of the exporter
<i>exportername</i>	Specify an exporter

## Command Mode

- /exec

# clear flow monitor

clear flow monitor [ name ] <monitorname> [ cache [ force-export ] | statistics ]

## Syntax Description

clear	Reset functions
flow	NetFlow information
monitor	Clear monitor cache and statistics
name	(Optional) The name of the monitor
<i>monitorname</i>	Specify a monitor
cache	(Optional) Clear only monitor cache contents
force-export	(Optional) Force the cache entries to be exported
statistics	(Optional) Clear only the monitor cache statistics

## Command Mode

- /exec

## clear forwarding adjacency module

```
clear forwarding [ ip | ipv4 ] { adjacency } [ vrf <vrf-name> ] { <ip-addr> | all_routes } module { all_modules
| <module> } [ force-delete ] [ no-urib ]
```

### Syntax Description

clear	
forwarding	forwarding information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
adjacency	adjacency
vrf	(Optional) delete routes for a specific vrf
<i>vrf-name</i>	(Optional) VRF name
<i>ip-addr</i>	IPV4 source address
all_routes	delete all routes
module	module
all_modules	all module's
<i>module</i>	module number
no-urib	(Optional) Do not tell URIB about changes
force-delete	(Optional) Forcefully remove adj

### Command Mode

- /exec

## clear forwarding adjacency mpls stats

```
clear forwarding [ ip | ipv4 ] adjacency mpls stats [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ <aif> ] [ <anh> ] [ module <module> ]
```

### Syntax Description

clear	Reset functions
forwarding	forwarding
adjacency	display adjacency information
mpls	mpls adjacency information
stats	Clear adjacency statistics
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) ipv4
ipv4	(Optional) ipv4
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next hop
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

## clear forwarding cumulative counter

clear forwarding cumulative counter [ all | v4\_ucast\_add | v4\_ucast\_del | v6\_ucast\_add | v6\_ucast\_del ] [ module <module> ]

### Syntax Description

clear	clear
forwarding	forwarding information
cumulative	accumulated prefix add/delete count
counter	counter
all	(Optional) all
v4_ucast_add	(Optional) IPv4 unicast route add count
v4_ucast_del	(Optional) IPv4 unicast route delete count
v6_ucast_add	(Optional) IPv6 unicast route add count
v6_ucast_del	(Optional) IPv6 unicast route delete count
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear forwarding distribution lisp counters all

clear forwarding distribution lisp counters all

## Syntax Description

clear	
forwarding	forwarding
distribution	fib distribution information
lisp	lisp application
counters	counters
all	all vrf's

## Command Mode

- /exec

# clear forwarding inconsistency

clear forwarding [ ipv4 | ip ] [ unicast ] inconsistency

## Syntax Description

clear	clear
forwarding	forwarding
ip	(Optional) ipv4
ipv4	(Optional) ipv4
unicast	(Optional) unicast
inconsistency	route inconsistency check

## Command Mode

- /exec



## clear forwarding ipv4 multicast counters

```
clear forwarding ipv4 multicast counters [ vrf { <vrf-name> | <vrf-known-name> | all } ] { [ group <gaddr>
[ source <saddr> ] ] | [ source <saddr> [ group <gaddr> ] ] } [ module <module> ]
```

### Syntax Description

clear	
forwarding	fib information
vrf	(Optional) Specify VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv4	Ipv4
multicast	Multicast IPv4 information
counters	
group	(Optional) Multicast IPv4 Group specific info
<i>gaddr</i>	(Optional) Multicast IPv4 Group Address
source	(Optional) Multicast IPv4 Source specific info
<i>saddr</i>	(Optional) Multicast IPv4 Source Address
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear forwarding ipv6-l3-route-history

clear forwarding ipv6-l3-route-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
ipv6-l3-route-history	IPV6 L3 Route history

## Command Mode

- /exec

## clear forwarding ipv6 adjacency module

```
clear forwarding ipv6 adjacency [ vrf <vrf-name> ] { <ip-addr> | all_adj } module { all_modules | <module>
} [ force-delete ] [ no-urib ]
```

### Syntax Description

clear	
forwarding	forwarding information
ipv6	ipv6
adjacency	adjacency
vrf	(Optional) delete routes for a specific vrf
<i>vrf-name</i>	(Optional) VRF name
all_adj	delete all adjs
module	module
all_modules	all module's
<i>module</i>	module number
no-urib	(Optional) Do not tell URIB about changes
force-delete	(Optional) Forcefully remove adj

### Command Mode

- /exec

## clear forwarding ipv6 adjacency mpls stats

```
clear forwarding ipv6 adjacency mpls stats [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ <aif> ] [ <anh> ] [ module <module> ]
```

### Syntax Description

clear	Reset functions
forwarding	forwarding
ipv6	ipv6
adjacency	adjacency information
mpls	mpls adjacency information
stats	Clear adjacency statistics
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
<i>aif</i>	(Optional) adjacency output interface
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear forwarding ipv6 inconsistency

clear forwarding ipv6 [ unicast ] inconsistency

## Syntax Description

clear	clear
forwarding	forwarding
ipv6	ipv6
unicast	(Optional) unicast
inconsistency	route inconsistency check

## Command Mode

- /exec

## clear forwarding ipv6 multicast counters

```
clear forwarding ipv6 multicast counters [ vrf { <vrf-name> | <vrf-known-name> | all } ] { [ group <gaddr>
[ source <saddr> ] ] | [ source <saddr> [ group <gaddr> ] ] } [ module <module> ]
```

### Syntax Description

clear	
forwarding	fib information
vrf	(Optional) Specify VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv6	Ipv6
multicast	Multicast IPv6 information
counters	
group	(Optional) Multicast IPv6 Group specific info
source	(Optional) Multicast IPv6 Source specific info
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear forwarding ipv6 route module

```
clear forwarding ipv6 { route } [ vrf <vrf-name> ] { <prefix> | all_routes } module { all_modules | <module> } [ no-urib ]
```

## Syntax Description

clear	
forwarding	forwarding information
ipv6	ipv6
route	route
vrf	(Optional) delete routes for a specific vrf
<i>vrf-name</i>	(Optional) VRF name
all_routes	delete all routes
module	module
all_modules	all module's
<i>module</i>	module number
no-urib	(Optional) Do not tell URIB about changes

## Command Mode

- /exec

# clear forwarding l2-oiflist-history

clear forwarding l2-oiflist-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
l2-oiflist-history	L2 Oiflist history

## Command Mode

- /exec



# clear forwarding l2-route-history

clear forwarding l2-route-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
l2-route-history	L2 Route history

## Command Mode

- /exec

## clear forwarding l2mcast info statistics

clear forwarding l2mcast info statistics [ module <num> ]

### Syntax Description

clear	Clear all entries
forwarding	Forwarding Information
l2mcast	Layer-2 multicast
info	L2mcast Internal Info
statistics	L2mcast Internal Info Statistics
module	(Optional) Slot
<i>num</i>	(Optional) Slot number

### Command Mode

- /exec

# clear forwarding l2vpn trace member-history

clear forwarding l2vpn trace member-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
l2vpn	L2VPN
trace	internal trace
member-history	member history

## Command Mode

- /exec

# clear forwarding l3-route-history

clear forwarding l3-route-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
l3-route-history	L3 Route history

## Command Mode

- /exec

# clear forwarding mpls drop-stats

clear forwarding mpls drop-stats

## Syntax Description

clear	Clear Statistics
forwarding	forwarding
mpls	mpls forwarding
drop-stats	Clear dropped packets stats

## Command Mode

- /exec

## clear forwarding mpls stats

```
clear forwarding mpls stats [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> ] [ [ label
<label> | <prefix> | <v6prefix> ] | [ label-space <label-space-id> ] ] [ module <module> ]
```

### Syntax Description

clear	Reset functions
forwarding	forwarding
mpls	mpls
stats	Clear Input Statistics
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known vrf name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
label-space	(Optional) label space
<i>label-space-id</i>	(Optional) label space id
label	(Optional) mpls labels
<i>label</i>	(Optional) mpls label value
<i>prefix</i>	(Optional) Labels for single exact match route
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear forwarding mpls trace adj-history

clear forwarding mpls trace adj-history [ module <module> ]

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
mpls	mpls
trace	internal trace
adj-history	adjacency history
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

## clear forwarding mpls trace ecmp-history

clear forwarding mpls trace ecmp-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
mpls	mpls
trace	internal trace
ecmp-history	ECMP history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec



# clear forwarding mpls trace label-history

clear forwarding mpls trace label-history [ module <module> ]

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
mpls	mpls
trace	internal trace
label-history	label history
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

## clear forwarding mpls trace te-history

clear forwarding mpls trace te-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
mpls	mpls
trace	internal trace
te-history	TE history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear forwarding oiflist-history

clear forwarding oiflist-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
oiflist-history	Oiflist history

## Command Mode

- /exec

# clear forwarding otv oiflist-history

clear forwarding otv oiflist-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
otv	Display OTV information
oiflist-history	Oiflist history

## Command Mode

- /exec

# clear forwarding route module

```
clear forwarding [ ip | ipv4 ] { route } [ vrf <vrf-name> ] { <prefix> | all_routes } module { all_modules |
<module> } [ no-urib ]
```

## Syntax Description

clear	
forwarding	forwarding information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
route	route
vrf	(Optional) delete routes for a specific vrf
<i>vrf-name</i>	(Optional) VRF name
<i>prefix</i>	delete specific prefix
all_routes	delete all routes
module	module
all_modules	all module's
<i>module</i>	module number
no-urib	(Optional) Do not tell URIB about changes

## Command Mode

- /exec

## clear forwarding trace ecmp-history

clear forwarding trace ecmp-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
ecmp-history	ECMP history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear forwarding trace mfib oif-history

clear forwarding trace mfib oif-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
mfib	mfib entries
oif-history	oif history

## Command Mode

- /exec

# clear forwarding trace mfib oiflist-history

clear forwarding trace mfib oiflist-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
mfib	mfib entries
oiflist-history	oiflist history

## Command Mode

- /exec



# clear forwarding trace mfib otv oif-history

clear forwarding trace mfib otv oif-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
mfib	mfib entries
otv	otv entries
oif-history	oif history

## Command Mode

- /exec

# clear forwarding trace mfib otv oiflist-history

clear forwarding trace mfib otv oiflist-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
mfib	mfib entries
otv	otv entries
oiflist-history	oiflist history

## Command Mode

- /exec

# clear forwarding trace mfib otv v4-route-history

clear forwarding trace mfib otv v4-route-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
mfib	mfib entries
otv	otv entries
v4-route-history	v4 route history

## Command Mode

- /exec

# clear forwarding trace mfib otv v6-route-history

clear forwarding trace mfib otv v6-route-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
mfib	mfib entries
otv	otv mfib entries
v6-route-history	v6 route history

## Command Mode

- /exec

# clear forwarding trace mfib platform oiflist-history

clear forwarding trace mfib platform oiflist-history

## Syntax Description

clear	Clear
forwarding	Forwarding information
trace	internal trace
mfib	mfib entries
platform	platform information
oiflist-history	Oiflist history

## Command Mode

- /exec

# clear forwarding trace mfib v4-route-history

clear forwarding trace mfib v4-route-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
mfib	clear mfib entries
v4-route-history	v4 route history

## Command Mode

- /exec

# clear forwarding trace mfib v6-route-history

clear forwarding trace mfib v6-route-history

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
mfib	mfib entries
v6-route-history	v6 route history

## Command Mode

- /exec

## clear forwarding trace nve-ir-peer-history

clear forwarding trace nve-ir-peer-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
nve-ir-peer-history	NVE ir-peer history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec



## clear forwarding trace nve-l3-vni-history

clear forwarding trace nve-l3-vni-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
nve-l3-vni-history	NVE L3 VNI history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

## clear forwarding trace nve-peer-history

clear forwarding trace nve-peer-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
nve-peer-history	NVE peer history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

## clear forwarding trace otv-adj-history

clear forwarding trace otv-adj-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
otv-adj-history	otv adj history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

## clear forwarding trace otv-vlan-history

clear forwarding trace otv-vlan-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
otv-vlan-history	otv vlan prefix history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear forwarding trace v4-adj-history

clear forwarding trace v4-adj-history [ module <module> ]

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
v4-adj-history	V4 adjacency history
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

## clear forwarding trace v4-pfx-history

clear forwarding trace v4-pfx-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
v4-pfx-history	V4 prefix history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear forwarding trace v4-rnh-history

clear forwarding trace v4-rnh-history [ module <module> ]

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
v4-rnh-history	V4 rnh history
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

## clear forwarding trace v6-adj-history

clear forwarding trace v6-adj-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
v6-adj-history	V6 adjacency history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec



# clear forwarding trace v6-pfx-history

clear forwarding trace v6-pfx-history [ module <module> ]

## Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
v6-pfx-history	V6 prefix history
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

## clear forwarding trace v6-rnh-history

clear forwarding trace v6-rnh-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
v6-rnh-history	V6 rnh history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

## clear forwarding trace vobj-history

clear forwarding trace vobj-history [ module <module> ]

### Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
vobj-history	vobj history
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# clear frame traffic

clear frame traffic

## Syntax Description

clear	Reset functions
frame	Clear layer-2 frame statistics to/from the Route Processor
traffic	Clear layer-2 frame statistics to/from the Route Processor

## Command Mode

- /exec

# clear fs-daemon log

clear fs-daemon log

## Syntax Description

clear	Reset functions
fs-daemon	Clear the fs daemon log
log	Clear the fs daemon log

## Command Mode

- /exec

## clear hardware flow ip

```
clear hardware flow ip [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]
```

### Syntax Description

clear	Reset functions
hardware	Show hardware information
flow	Netflow Module
ip	Internet Protocol Version 4
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
force-export	(Optional) Force to export data to collector
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

### Command Mode

- /exec

# clear hardware flow ipmac

```
clear hardware flow ipmac [ { { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } } ] [
instance <inst> ] [ module <num> ]
```

## Syntax Description

clear	Reset functions
hardware	Show hardware information
flow	Netflow Module
ipmac	IPv4+MAC
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

## Command Mode

- /exec

## clear hardware flow ipv6

```
clear hardware flow ipv6 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]
```

### Syntax Description

clear	Reset functions
hardware	Show hardware information
flow	Netflow Module
ipv6	Internet Protocol Version 6
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
force-export	(Optional) Force to export data to collector
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

### Command Mode

- /exec



## clear hardware flow l2

```
clear hardware flow l2 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } } ] [ instance
<inst> ] [ force-export ] [ module <num> ]
```

### Syntax Description

clear	Reset functions
hardware	Show hardware information
flow	Netflow Module
l2	Layer 2 Protocol
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
force-export	(Optional) Force to export data to collector
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

### Command Mode

- /exec

## clear hardware flow mpls

```
clear hardware flow mpls [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]
```

### Syntax Description

clear	Reset functions
hardware	Show hardware information
flow	Netflow Module
mpls	MPLS Protocol
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
force-export	(Optional) Force to export data to collector
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

### Command Mode

- /exec

# clear hardware ip verify

```
clear hardware [ forwarding ] ip verify { all | address { source { broadcast | multicast } | class-e | destination
{ zero } | identical | reserved } | checksum | protocol | fragment | length { minimum | consistent | maximum {
max-frag | udp | max-tcp } } | tcp { tiny-frag } | version } [ module <module> ]
```

## Syntax Description

clear	Reset functions
hardware	Show hardware information
forwarding	(Optional) Show hardware information for forwarding path
ip	IPv4 and IPv6 protocols
verify	IP packet validation checks in hardware
class-e	Class E IDS check
all	All IP packet validation checks
address	IPv4 and IPv6 Source and destination address validation
source	Check source address
broadcast	Source address is 255.255.255.255
multicast	Source address is 224.x.x.x
destination	Check destination address
zero	Destination address is 0.0.0.0
identical	Same IP SA and DA
reserved	Source address is 127.x.x.x
checksum	Verify IPv4 and IPv6 packet checksum
protocol	Verify IP protocol
fragment	Check IPv4 and IPv6 fragment with non-zero offset and DF bit active
length	Validate IPv4 packet header and payload length
minimum	Minimum IPv4 header length
consistent	Actual frame size is equal to or more than IPv4 length plus ethernet header
maximum	Check max fragment offset and payload length
max-frag	Fragment offset field value

udp	Maximum UDP length has to be less than IPv4 payload length
max-tcp	Maximum TCP length has to be less than IPv4 payload length
tcp	Validate TCP packet header
tiny-frag	Check TCP tiny fragment
version	Must be 4 for an ethertype of IPv4 (0x0800)
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

**Command Mode**

- /exec

## clear hardware rate-limiter

```
clear hardware rate-limiter { all | layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 <l2-opts> | <opts>
| fl <fl-opts> } [ module <module> ]
```

### Syntax Description

clear	Reset functions
hardware	Show hardware information
rate-limiter	Clear Rate-Limiter statistics
all	Clear all Rate-Limiter statistics
layer-3	Layer-3 control and Routed packets
<i>l3-opts</i>	
multicast	Multicast data packets
<i>mcast-opts</i>	
layer-2	Layer-2 control and Bridged packets
<i>l2-opts</i>	
<i>opts</i>	
fl	Control packets from F1 modules to supervisor
<i>fl-opts</i>	
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

### Command Mode

- /exec

## clear hsrp counters clear hsrp state-history

clear hsrp counters [ <value> ] | clear hsrp state-history [ interface <interface-id> ] [ group <group-id> ]

### Syntax Description

clear	Reset functions
hsrp	HSRP commands
counters	Internal counters
<i>value</i>	(Optional) Counter to be cleared
state-history	Clear Groups' state history
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
group	(Optional) Group number
<i>group-id</i>	(Optional) Group Number

### Command Mode

- /exec

# clear icmpv6 cache

```
clear icmpv6 cache { { interface [ <intf> ] } }
```

## Syntax Description

clear	Reset functions
icmpv6	ICMPv6 Commands
cache	Clear icmpv6 cache
interface	Clear icmpv6 interface information
<i>intf</i>	(Optional) Interface name to clear

## Command Mode

- /exec

# clear install all failed-standby

clear install all failed-standby

## Syntax Description

clear	Reset functions
install	Clear the installer log
all	Clear the install all log
failed-standby	Clear the failed-standby log

## Command Mode

- /exec



# clear install failure-reason

clear install failure-reason

## Syntax Description

clear	Reset functions
install	Clear the installer log
failure-reason	Clear the install failure-reason log

## Command Mode

- /exec

# clear install log-history all

```
clear install log-history { all | oldest <i0> }
```

## Syntax Description

clear	Reset functions
install	Install related show commands
log-history	Patch installer historical logs
all	Delete complete history log
oldest	oldest Delete the oldest <n> install log-history points
<i>i0</i>	Number of log-history points to delete

## Command Mode

- /exec

# clear install status

clear install status

## Syntax Description

clear	Reset functions
install	Clear the installer log
status	Clear the installer status log

## Command Mode

- /exec

# clear ip

```
clear ip { netstack mroute | mroute data-created } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf {
<vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
netstack	Netstack's local cache
mroute	Clear multicast routing table
data-created	Clear all Data-created PIM ASM (S,G) routes
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all sources matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

## Command Mode

- /exec

# clear ip adjacency cache

```
clear ip adjacency cache { { interface [ <intf> ] } }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
adjacency	Configure Adjmgr
cache	Clear adjacency cache
interface	Clear adjacency interface information
<i>intf</i>	(Optional) Interface name to clear

## Command Mode

- /exec

## clear ip adjacency no-ufdm

```
clear ip adjacency [ vrf { <vrf-name> | <vrf-known-name> } ] { <ip-addr> | * } no-ufdm
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
adjacency	Clear Adjacency
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ip-addr</i>	IPV4 source address
*	Delete all adjacency in this context
no-ufdm	Create inconsistency in adjacency

### Command Mode

- /exec

# clear ip adjacency statistics

clear ip adjacency statistics

## Syntax Description

clear	Reset functions
ip	Clear IP commands
adjacency	Clear Adjacency
statistics	Clear Adjacency Statistics

## Command Mode

- /exec

# clear ip amt tunnel

```
clear ip amt tunnel [ <address4> <port> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

clear	AMT clear commands
amt	AMT show commands
ip	Display IP information
tunnel	Display tunnel information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>address4</i>	(Optional) IP address of tunnel endpoint
<i>port</i>	(Optional) UDP port number of gateway

## Command Mode

- /exec



# clear ip arp

```
clear ip arp [ <interface> | <ip-address> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ force-delete ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
<i>interface</i>	(Optional) ARP interface
<i>ip-address</i>	(Optional) IP address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Clear ARP entries for all vrfs
force-delete	(Optional) Clear the entries from ARP table without refresh

## Command Mode

- /exec

# clear ip arp cache

```
clear ip arp cache { { interface [ <intf> ] } }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	arp
cache	Clear arp cache
interface	Clear arp interface information
<i>intf</i>	(Optional) Interface name to clear

## Command Mode

- /exec

## clear ip arp event-history

clear ip arp event-history { packet | event | sync-event | ip-sync-event | control | ha | errors | lcache | lcache-errors | client-event | client-errors | snmp | cli | suppression-event | suppression-errors | controller-errors | all } [ dump-to-file ]

### Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	ARP events
event-history	Clear the event history buffers
packet	inst packet logs
event	Internal event logs
sync-event	CFS and MCECM related event logs
ip-sync-event	L3 over vpc related event logs
control	ARP control event logs
ha	HA and GR logs
errors	inst error logs
lcache	lcache logs
lcache-errors	lcache_error logs
client-event	Client_event logs
client-errors	Client_error logs
cli	clear cli logs
snmp	SNMP logs
suppression-event	ARP suppression event logs
suppression-errors	ARP suppression error logs
controller-errors	Controller MAC-IP route error logs
all	All event history buffers
dump-to-file	(Optional) Dump the Arp event history logs into the file

### Command Mode

- /exec

# clear ip arp inspection log

clear ip arp inspection log

## Syntax Description

clear	Reset functions
ip	Clear ip counters
arp	Clear State of ARP features
inspection	Clear State of ARP Inspection
log	Log Buffer

## Command Mode

- /exec

# clear ip arp inspection statistics vlan

clear ip arp inspection statistics vlan <vlan-id>

## Syntax Description

clear	Reset functions
ip	Clear ip counters
arp	Clear State of ARP features
inspection	Clear State of ARP Inspection
statistics	Statistics
vlan	Vlan range
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

## Command Mode

- /exec

# clear ip arp static-arps-outside-subnet-count

clear ip arp static-arps-outside-subnet-count

## Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Display ARP table and statistics
static-arps-outside-subnet-count	Clear static ARPs outside subnet count

## Command Mode

- /exec

# clear ip arp statistics

```
clear ip arp statistics [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
<i>interface</i>	(Optional) ARP interface
statistics	Clear ARP statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Clear ARP statistics for all vrfs

## Command Mode

- /exec

# clear ip arp suppression-cache statistics

clear ip arp suppression-cache statistics

## Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
suppression-cache	ARP-suppression cache
statistics	clear suppression statistics

## Command Mode

- /exec



# clear ip arp tunnel-statistics

clear ip arp tunnel-statistics

## Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Display ARP table and statistics
tunnel-statistics	Clear ARP statistics for tunneled packets

## Command Mode

- /exec

# clear ip arp vpc-statistics

clear ip arp vpc-statistics

## Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Display ARP table and statistics
vpc-statistics	Clear ARP vPC statistics

## Command Mode

- /exec

# clear ip cache

```
clear ip cache { { interface [ <intf> ] } }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
cache	Clear ip cache
interface	Clear ip interface information
<i>intf</i>	(Optional) Interface name to clear

## Command Mode

- /exec

# clear ip dhcp global statistics

clear ip dhcp global statistics

## Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
global	Clear State of DHCP global stats
statistics	DHCP snooping statistics

## Command Mode

- /exec

# clear ip dhcp relay statistics

```
clear ip dhcp relay statistics [ interface <intf> | { interface <intf> serverip <ip-addr-val> [ use-vrf <vrf-name> ] } ]
```

## Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
relay	Clear State of DHCP relay stats
statistics	DHCP Relay statistics
interface	(Optional) input interface
<i>intf</i>	(Optional) interface
serverip	(Optional) Helper address
<i>ip-addr-val</i>	(Optional) IP address
use-vrf	(Optional) helper address VRF membership
<i>vrf-name</i>	(Optional) VRF name

## Command Mode

- /exec

## clear ip dhcp snooping binding

```
clear ip dhcp snooping binding [ { vlan <vlan-id> mac <mac-addr> ip <ip-addr> interface <interface-id> } ]
```

### Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
snooping	Clear State of DHCP Snooping
binding	DHCP snooping bindings
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) VLAN id
mac	(Optional) MAC address
<i>mac-addr</i>	(Optional) MAC address
ip	(Optional) IP address
<i>ip-addr</i>	(Optional) IP address
interface	(Optional) interface
<i>interface-id</i>	(Optional) interface

### Command Mode

- /exec

# clear ip dhcp snooping statistics

```
clear ip dhcp snooping statistics [ { vlan <vlan-id> interface <intf> } |
```

## Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
snooping	Clear State of DHCP snooping stats
statistics	DHCP snooping statistics
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) VLAN id
interface	(Optional) input interface
<i>intf</i>	(Optional) interface

## Command Mode

- /exec

# clear ip dns all config

clear ip dns all config

## Syntax Description

clear	Clear entries
ip	Configure ip feature
dns	DNS related config
all	All DNS related content
config	Domain-name, name-server, domain-list, sortlist, options, results

## Command Mode

- /exec



# clear ip dns use-vrf config

clear ip dns use-vrf config

## Syntax Description

clear	Clear entries
ip	Configure ip feature
dns	DNS related config
use-vrf	Config with keyword use-vrf
config	Domain-name, name-server, domain-list

## Command Mode

- /exec

## clear ip eigrp accounting

```
clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] accounting [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
accounting	Clear IP-EIGRP accounting statistics

### Command Mode

- /exec

## clear ip eigrp event-history

clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] event-history [ fsm | packet | rib | cli | all ]

### Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
<i>eigrp-ptag</i>	(Optional) Process tag
event-history	Clear the event history buffers
fsm	(Optional) FSM log of EIGRP
packet	(Optional) Packet log of EIGRP
rib	(Optional) RIB log of EIGRP
cli	(Optional) EIGRP CLI related events
all	(Optional) All event history buffers

### Command Mode

- /exec

## clear ip eigrp event-history bfd

```
clear ip eigrp [ <eigrp-ptag> ] event-history bfd
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
eigrp	EIGRP clear commands
<i>eigrp-ptag</i>	(Optional) Process tag
event-history	Clear the event history buffers
bfd	Show bfd log of EIGRP

### Command Mode

- /exec

## clear ip eigrp events

```
clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] events [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
events	Clear IP-EIGRP event logs

### Command Mode

- /exec

## clear ip eigrp logging

```
clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] logging [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
logging	Stop IP-EIGRP event logging

### Command Mode

- /exec

# clear ip eigrp redistribution

```
clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
<i>eigrp-ptag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribution	Clear EIGRP redistributed information

## Command Mode

- /exec

## clear ip eigrp route-map statistics redistribute

```
clear ip eigrp [ <eigrp-ptag> ] route-map statistics redistribute { bgp <as> | { eigrp | isis | ospf | rip } <tag> |
static | direct | amt | lisp } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
route-map	Route-map related information
statistics	Route-map statistics
redistribute	Redistribute information from another routing protocol
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
isis	IS-IS Routing for IPv4
ospf	Open Shortest Path First (OSPF)
rip	Routing Information Protocol (RIP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>tag</i>	Process tag
static	Static routes
direct	Directly connected
amt	AMT Anycast prefix
lisp	LISP EID-prefixes

### Command Mode

- /exec



# clear ip eigrp traffic

```
clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] traffic [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
traffic	Clear IP-EIGRP traffic statistics

## Command Mode

- /exec

# clear ip ftm statistics

clear ip ftm statistics

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ftm	FTM API
statistics	Statistics

## Command Mode

- /exec

# clear ip igmp event-history

clear ip igmp event-history [ <igmp-event-hist-buf-name> ]

## Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP related information
event-history	Clear event-history buffers
<i>igmp-event-hist-buf-name</i>	(Optional) Event hist buffer name

## Command Mode

- /exec

## clear ip igmp groups

```
clear ip igmp { groups | route } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP related information
groups	Route information
route	Route information
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec

# clear ip igmp interface statistics

clear ip igmp interface statistics [ <interface> ]

## Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP statistics information
interface	Interface related information
statistics	Packet/internal counter statistics
<i>interface</i>	(Optional) Specific interface only

## Command Mode

- /exec

## clear ip igmp snooping event-history

clear ip igmp snooping event-history [ <igmp-snoop-event-hist-buf-name> ]

### Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping event hist buffers
snooping	Clear IGMP Snooping event hist buffers
event-history	Clear event history buffers
<i>igmp-snoop-event-hist-buf-name</i>	(Optional) Event history buffer name

### Command Mode

- /exec

# clear ip igmp snooping explicit-tracking vlan

```
clear ip igmp snooping explicit-tracking { vlan <vlan> | bridge-domain <bdid> }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping information
snooping	Clear IGMP Snooping information
explicit-tracking	Clear Explicit Host tracking information
vlan	Clear explicit tracking information for VLAN
<i>vlan</i>	Specify VLAN
bridge-domain	Clear explicit tracking information for BD
<i>bdid</i>	Specify BD

## Command Mode

- /exec

## clear ip igmp snooping groups

```
clear ip igmp snooping groups { <all> | { <group-prefix> | <group> } [ <source> ] } [ interface <if-name> ]
{ vlan { <vlan-id> | all } }
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping
snooping	Clear IGMP Snooping
groups	Clear snooped groups
all	Clear all groups
<i>group-prefix</i>	Group prefix to clear
<i>group</i>	Group address to clear
<i>source</i>	(Optional) Source address to clear
interface	(Optional) Specify interface to clear group state
<i>if-name</i>	(Optional) Interface name to clear
vlan	Clear information for VLAN/BD
<i>vlan-id</i>	Specify the VLAN/BD number
all	Clear for all VLAN/BDs

### Command Mode

- /exec



## clear ip igmp snooping proxy querier ports vlan

clear ip igmp snooping proxy querier ports { vlan <vlan> | bridge-domain <bdid> } <if-name> [ purge ]

### Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping
snooping	Clear IGMP Snooping
proxy	Clear IGMP snooping proxy
querier	Clear IGMP snooping proxy querier
ports	Clear IGMP snooping proxy querier ports
vlan	Clear for a specific vlan
<i>vlan</i>	Specify the VLAN number
bridge-domain	Clear for a specific BD
<i>bdid</i>	Specify the BD number
<i>if-name</i>	Interface name to clear
purge	(Optional) Remove port from priority list

### Command Mode

- /exec

## clear ip igmp snooping report statistics

```
clear ip igmp snooping { report-policy | access-group } statistics [ vlan <vlan> ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping information
snooping	Clear IGMP Snooping information
report-policy	IGMP Report Policy
access-group	IGMP access-group
statistics	Policy statistics
vlan	(Optional) Clear VLAN IGMP snooping policy statistics information
<i>vlan</i>	(Optional) Specify VLAN

### Command Mode

- /exec

# clear ip igmp snooping statistics

```
clear ip igmp snooping statistics { vlan <vlan> | bridge-domain <bdid> | all }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping statistics information
snooping	Clear IGMP Snooping statistics information
statistics	Packet/internal counter statistics
vlan	Clear VLAN statistics
<i>vlan</i>	Specify VLAN
bridge-domain	Clear BD statistics
<i>bdid</i>	Specify BD
all	All VLAN/BDs

## Command Mode

- /exec

## clear ip igmp snooping vpc peer-link-exclude vlan

clear ip igmp snooping vpc peer-link-exclude vlan { <vlan-id> | all } [ group <group-addr> ]

### Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping information
snooping	Clear IGMP Snooping information
vpc	Clear vPC information
peer-link-exclude	Clear vPC peer-link Exclude state
vlan	Clear vpc peer-link Exclude state for VLAN/BD
<i>vlan-id</i>	Specify VLAN/BD
all	All VLAN/BDs
group	(Optional) Clear vpc peer-link Exclude state for VLAN/BD
<i>group-addr</i>	(Optional) Specify Group address

### Command Mode

- /exec

# clear ip interface statistics

clear ip interface statistics [ <interface> ]

## Syntax Description

clear	Reset functions
ip	Clear IP commands
interface	Clear IP related interface information
statistics	Clear IP interface statistics
<i>interface</i>	(Optional) Clear IP statistics for interface

## Command Mode

- /exec

## clear ip lisp data-cache

```
clear ip lisp data-cache [ <eid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
lisp	LISP clear commands
data-cache	Clear EID-to-RLOC data cache mapping in this ITR
<i>eid</i>	(Optional) Clear mapping for IP destination EID
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec

# clear ip lisp map-cache

```
{ { clear ip lisp map-cache [ <eid-prefix> ] [ vrf { <vrf-name> | <vrf-known-name> } ] } } | { clear ipv6 lisp map-cache [ <eid-prefix6> ] [ vrf { <vrf-name> | <vrf-known-name> } ] } }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
lisp	LISP clear commands
map-cache	Clear an EID-to-RLOC cache mapping in this ITR
vrf	(Optional) Clear entry for particular vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>eid-prefix</i>	(Optional) Clear entry associated with IP EID-prefix

## Command Mode

- /exec

## clear ip lisp statistics

```
clear ip lisp statistics [ vrf { <vrf-name> | <vrf-known-name> } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
lisp	LISP clear commands
statistics	Clear global LISP statistics
vrf	(Optional) Clear statistics for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec



## clear ip mbgp dampening

```
{ { clear ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] dampening
[ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] dampening [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [
vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] ipv4 { unicast | multicast }
dampening [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ] all dampening } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast } | vpnv4 unicast } dampening [ <ip-prefix>
| <ip-addr> [ <ip-mask> ] ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] { ipv6 { unicast | multicast } | vpnv6 unicast } dampening [ <ip6-prefix>
] ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all dampening
} } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
bgp	Clear BGP sessions
mbgp	Clear MBGP sessions
dampening	Clear route flap dampening information
<i>ip-prefix</i>	(Optional) Clear route flap dampening for prefix
<i>ip-addr</i>	(Optional) Clear route flap dampening for one network
<i>ip-mask</i>	(Optional) Network mask
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpnv4	Clear VPNv4 address-family
vpnv6	Clear VPNv6 address-family
unicast	Clear unicast address-family
multicast	Clear multicast address-family
all	Clear all address-families

### Command Mode

**clear ip mbgp dampening**

- /exec

## clear ip mbgp flap-statistics

```
{ { clear ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] flap-statistics
[ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp
[ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] ipv4 { unicast | multicast }
flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ] all flap-statistics } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast } | vpnv4 unicast } flap-statistics [ <ip-prefix>
| <ip-addr> [ <ip-mask> ] | regexp <regexp-str> ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] { ipv6 { unicast | multicast } | vpnv6 unicast } flap-statistics [ <ipv6-prefix>
| regexp <regexp-str> ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234
} ] all flap-statistics } } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

### Syntax Description

clear	Reset functions
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ip	Clear IP commands
bgp	Clear BGP sessions
mbgp	Clear MBGP sessions
flap-statistics	Clear flap statistics
<i>ip-prefix</i>	(Optional) Clear flap statistics for one prefix
<i>ip-addr</i>	(Optional) Clear flap statistics for one network
<i>ip-mask</i>	(Optional) Network mask
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpnv4	Clear VPNv4 address-family
vpnv6	Clear VPNv6 address-family
unicast	Clear unicast address-family
multicast	Clear multicast address-family
all	Clear all address-families
regexp	(Optional) Clear flap statistics for routes matching the regular expression

<i>regexp-str</i>	(Optional) Regular expression to match the AS paths
-------------------	---

**Command Mode**

- /exec

## clear ip mbgp peer-template

```
{ { clear ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { <neighbor-id>
| * | <asn> | <prefix-id> peer-template <peer-template-name> } [ soft [ in | out ] | dampened-paths | flap-statistics
| no-notify ] } } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
{ <neighbor-id> | * | <asn> | <prefix-id> | peer-template <peer-template-name> } [ soft [ in | out ] |
dampened-paths | flap-statistics | no-notify ] { { ipv4 { unicast | multicast } | { vpnv4 | vpnv6 } unicast | all } {
soft [ in | out ] | dampened-paths | flap-statistics | no-notify } ] } | { clear bgp [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast | mvpn | labeled-unicast
} | ipv6 { unicast | multicast | mvpn | labeled-unicast } | { vpnv4 | vpnv6 } unicast | l2vpn vpls | all } {
<neighbor-id> | <ipv6-neighbor-id> | * | <asn> | peer-template <peer-template-name> | <prefix-id> |
<ipv6-prefix-id> } [ soft [ in | out ] | dampened-paths | flap-statistics | no-notify ] } } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
bgp	Clear BGP sessions
mbgp	Clear MBGP sessions
<i>neighbor-id</i>	IP address of the neighbor to clear
<i>prefix-id</i>	Clear all neighbors matching the prefix
*	Clear all neighbors (Should be a * character)
<i>asn</i>	Clear all neighbors in an AS
peer-template	Clear all neighbors in a peer-template
<i>peer-template-name</i>	Peer-template name
soft	(Optional) Soft reconfiguration
in	(Optional) Clear soft reconfiguration inbound
out	(Optional) Clear soft reconfiguration outbound
ipv4	(Optional) Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpnv4	(Optional) Clear VPNv4 address-family

vpn6	(Optional) Clear VPNv6 address-family
unicast	(Optional) Clear unicast address-family
multicast	(Optional) Clear multicast address-family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family
all	(Optional) Clear all address-families
dampened-paths	(Optional) Clear dampened paths for neighbor
flap-statistics	(Optional) Clear flap statistics for neighbor
no-notify	(Optional) Clear without sending notification

**Command Mode**

- /exec

# clear ip mfwd event-history

clear ip mfwd event-history [ <mfwd-event-hist-buf-name> ]

## Syntax Description

clear	Reset functions
ip	Clear IP commands
mfwd	Clear MCASTFWD related information
event-history	Clear event-history buffers
<i>mfwd-event-hist-buf-name</i>	(Optional) Event hist buffer name

## Command Mode

- /exec

## clear ip mroute

```
clear ip mroute { { <all> [ shared-tree | source-tree ] } | { <group-prefix> [ shared-tree | source-tree ] } | {
<group> [ <source> | shared-tree | source-tree ] } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
mroute	Clear multicast routing table
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
shared-tree	(Optional) Clear the (*,G) route associated with the group
source-tree	(Optional) Clear all (S,G) routes associated with the group
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec



# clear ip mroute statistics

```
clear ip mroute statistics { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
mroute	Clear multicast routing table
statistics	Clear statistics of multicast route
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

## Command Mode

- /exec

## clear ip msdp event-history

clear ip msdp event-history [ <msdp-event-hist-buf-name> ]

### Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP global configuration commands
event-history	Clear the event-history buffer instances
<i>msdp-event-hist-buf-name</i>	(Optional) Specify the particular instance of the event-history buffer

### Command Mode

- /exec

# clear ip msdp peer

```
clear ip msdp peer <peer-address> [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP clear commands
peer	Clear MSDP peer connection
<i>peer-address</i>	IP address of MSDP peer
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

## clear ip msdp policy statistics sa-policy in

```
clear ip msdp policy statistics sa-policy <peer-address> { in | out } [ vrf { <vrf-name> | <vrf-known-name>
} ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP global configuration commands
policy	Policy information
statistics	Policy statistics
sa-policy	Configured SA policy for MSDP peer
<i>peer-address</i>	IP address of MSDP peer for SA policy
in	Input policy
out	Output policy
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec

# clear ip msdp sa

```
clear ip msdp { sa-cache | route } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP clear commands
sa-cache	Clear contents of SA cache
route	Clear contents of SA cache
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

## Command Mode

- /exec

## clear ip msdp statistics

```
clear ip msdp statistics [ <peer-address> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP clear commands
statistics	Clear statistics for peers
<i>peer-address</i>	(Optional) IP address of MSDP peer
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec

# clear ip nat translation

```
clear ip nat translation { all | inside <insideGlobalIP> <insideLocalIP> [ outside <outsideLocalIP>
<outsideGlobalIP> ] | outside <outsideLocalIP> <outsideGlobalIP> }
```

## Syntax Description

clear	Reset functions
ip	Clear ip counters
nat	Clear NAT
translation	Clear dynamic translation
all	Delete all dynamic translations
inside	Inside addresses
<i>insideGlobalIP</i>	Inside global IP address
<i>insideLocalIP</i>	Inside local IP address
outside	(Optional) Outside addresses
<i>outsideLocalIP</i>	(Optional) Outside local IP address
<i>outsideGlobalIP</i>	(Optional) Outside global IP address

## Command Mode

- /exec

# clear ip ospf database

clear ip ospf [ <tag> ] database

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
database	Clear the LSDB and all neighbors

## Command Mode

- /exec



## clear ip ospf event-history

clear ip ospf [ <tag> ] event-history [ adjacency | event | ha | flooding | lsa | spf | redistribution | cli | ldp | te | rib | hello | spf-trigger | all ]

### Syntax Description

clear	Reset functions
ip	IP events
ospf	Debug OSPF events
<i>tag</i>	(Optional) Process tag
event-history	Clear the event history buffers
adjacency	(Optional) Adjacency formation logs
event	(Optional) Internal event logs
ha	(Optional) HA and GR logs
flooding	(Optional) LSA flooding logs
lsa	(Optional) LSA generation and database logs
spf	(Optional) SPF calculation logs
redistribution	(Optional) Redistribution logs
cli	(Optional) Cli logs
ldp	(Optional) LDP related logs
te	(Optional) MPLS TE related logs
rib	(Optional) RIB related logs
hello	(Optional) HELLO related logs
spf-trigger	(Optional) SPF TRIGGER related logs
all	(Optional) All event history buffers

### Command Mode

- /exec

# clear ip ospf event-history detail

clear ip ospf [ <tag> ] event-history detail

## Syntax Description

clear	Reset functions
ip	IP events
ospf	Debug OSPF events
<i>tag</i>	(Optional) Process tag
event-history	Clear the event history buffer
detail	Detailed event history buffer

## Command Mode

- /exec

# clear ip ospf interface

```
clear ip ospf [ <tag> ] interface { * | <interface> }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
interface	Clear one or more interfaces
*	Clear all interfaces
<i>interface</i>	Interface to clear

## Command Mode

- /exec

## clear ip ospf neighbor

```
clear ip ospf [ <tag> ] neighbor { { { * | <neighborid> } [ vrf { <vrf-name> | <vrf-known-name> | all } ] } |
{ <interface> } }
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbor	Clear one or more neighbors
*	Clear all neighbors
<i>neighborid</i>	Source IP address, or router ID of the neighbor
<i>interface</i>	Interface to clear all neighbors on

### Command Mode

- /exec

## clear ip ospf policy statistics

```
clear ip ospf [ <tag> ] policy statistics { { redistribute { bgp <as> | { eigrp | isis | ospf | rip } <tag> | static |
direct | amt | lisp } } | { area <area-id-ip> filter-list { in | out } } } [ vrf { <vrf-name> | <vrf-known-name> |
all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
policy	Clear Policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
isis	ISO Intermediate-to-Intermediate (IS-IS)
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
ospf	Open Shortest Path First (OSPFv2)
eigrp	Enhanced Interior Gateway Protocol (EIGRP)
rip	Routing Information Protocol (RIP)
static	Static
direct	Directly connected
amt	AMT anycast prefix
lisp	LISP EID-prefixes
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas

in	Filter networks sent to this area
out	Filter networks sent from this area
<i>tag</i>	

**Command Mode**

- /exec

# clear ip ospf redistribution

```
clear ip ospf [ <tag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribution	Clear OSPF route redistribution

## Command Mode

- /exec

## clear ip ospf statistics

```
clear ip ospf [ <tag> ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Clear event counters

### Command Mode

- /exec



# clear ip ospf traffic

```
clear ip ospf [ <tag> ] traffic [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Clear packet counters
<i>interface</i>	(Optional) Interface to clear all traffic on

## Command Mode

- /exec

# clear ip pim event-history

clear ip pim event-history [ <pim-event-hist-buf-name> ]

## Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	PIM clear commands
event-history	Clear event history buffers
<i>pim-event-hist-buf-name</i>	(Optional) Event history buffer instance

## Command Mode

- /exec

# clear ip pim interface statistics

clear ip pim interface statistics [ <interface> | vrf { <vrf-name> | <vrf-known-name> | all } ]

## Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	Clear PIM information
interface	Interface related information
statistics	Packet interface counter statistics
<i>interface</i>	(Optional) Interface name to clear
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

## Command Mode

- /exec

## clear ip pim policy statistics

```
clear ip pim policy statistics { register-policy | bsr { bsr-policy | rp-candidate-policy } | auto-rp {
rp-candidate-policy | mapping-agent-policy } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
register-policy	Show statistics for register-policy
bsr	Bootstrap protocol RP-distribution policy
bsr-policy	Statistics for BSR messages
rp-candidate-policy	Statistics for RP candidate messages
auto-rp	Statistics for auto-rp messages
rp-candidate-policy	Statistics for RP candidate messages
mapping-agent-policy	Statistics for mapping agent messages
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec

# clear ip pim policy statistics jp

clear ip pim policy statistics { jp-policy | neighbor-policy } <interface>

## Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
<i>interface</i>	Interface

## Command Mode

- /exec

## clear ip pim route

```
clear ip pim route { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	PIM clear commands
route	Route information
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec

# clear ip pim statistics

```
clear ip pim statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	Clear PIM information
statistics	Packet global counter statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

## Command Mode

- /exec

## clear ip rip policy statistics redistribute bgp

```
{ { clear ip rip policy statistics redistribute bgp <as> } | { clear ip rip policy statistics redistribute eigrp <tag>
} | { clear ip rip policy statistics redistribute isis <tag> } | { clear ip rip policy statistics redistribute rip <tag>
} | { clear ip rip policy statistics redistribute ospf <tag> } | { clear ip rip policy statistics redistribute direct }
| { clear ip rip policy statistics redistribute static } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
rip	Routing Information Protocol (RIP)
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>as</i>	Autonomous system number
isis	Intermediate-to-intermediate (ISIS)
ospf	Open Shortest Path First (OSPFv2)
<i>tag</i>	Process tag
static	Static routes
direct	Directly connected routes
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec



# clear ip rip statistics

```
clear { ipv6 | ip } rip statistics [ * | <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
ip	Clear IP commands
rip	Routing Information Protocol (RIP)
statistics	Clear RIP statistics
*	(Optional) RIP statistics for all interfaces
<i>interface</i>	(Optional) RIP interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

## Command Mode

- /exec

# clear ip routing multicast event-history

clear ip routing multicast event-history [ <mrrib-event-hist-buf-name> ]

## Syntax Description

clear	Reset functions
ip	Clear IP commands
routing	Clear event-history buffers
multicast	Clear all multicast event-history buffers
event-history	Clear event history buffers
<i>mrrib-event-hist-buf-name</i>	(Optional) Event history buffer

## Command Mode

- /exec

# clear ip rsvp authentication

clear ip rsvp authentication [ <nbr-addr> ]

## Syntax Description

clear	Reset functions
ip	Clear IP commands
rsvp	Clear RSVP information
authentication	Clear security associations
<i>nbr-addr</i>	(Optional) RSVP Neighbor address

## Command Mode

- /exec

## clear ip rsvp counters

clear ip rsvp counters [ teardown | authentication | all ]

### Syntax Description

clear	Reset functions
ip	Clear IP commands
rsvp	Clear RSVP information
counters	RSVP counters
teardown	(Optional) Clear signaling tear information
authentication	(Optional) Display RSVP Security Association information
all	(Optional) Clear all information

### Command Mode

- /exec

# clear ip rsvp hello instance counters

clear ip rsvp hello instance counters

## Syntax Description

clear	Reset functions
ip	Clear IP commands
rsvp	Clear RSVP information
hello	RSVP Hello configuration commands
instance	Clear Hello instance information
counters	Clear RSVP statistics

## Command Mode

- /exec

## clear ip rsvp reservation

```
clear ip rsvp reservation { [ destination <dest> ] [ source <src> ] [ ip-protocol <proto> ] [ dst-port <dport> ]
[ src-port <sport> ] | <all> }
```

### Syntax Description

clear	Reset functions
ip	Clear IP commands
rsvp	Clear RSVP information
reservation	Clear RSVP reservation state
destination	(Optional) Clear based on destination address
<i>dest</i>	(Optional) Destination address
source	(Optional) Clear based on a source address
<i>src</i>	(Optional) Source address
ip-protocol	(Optional) Clear based on IP protocol
<i>proto</i>	(Optional) IP protocol value
dst-port	(Optional) Clear based on destination port
<i>dport</i>	(Optional) Destination Port value
src-port	(Optional) Clear based on a source port
<i>sport</i>	(Optional) Source port value
all	Clear all state

### Command Mode

- /exec

# clear ip rsvp sender

```
clear ip rsvp sender { [ destination <dest> ] [ source <src> ] [ ip-protocol <proto> ] [ dst-port <dport> ] [ src-port <sport> ] | <all> }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
rsvp	Clear RSVP information
sender	Clear RSVP sender state
destination	(Optional) Clear based on destination address
<i>dest</i>	(Optional) Destination address
source	(Optional) Clear based on a source address
<i>src</i>	(Optional) Source address
ip-protocol	(Optional) Clear based on IP protocol
<i>proto</i>	(Optional) IP protocol value
dst-port	(Optional) Clear based on destination port
<i>dport</i>	(Optional) Destination Port value
src-port	(Optional) Clear based on a source port
<i>sport</i>	(Optional) Source port value
all	Clear all state

## Command Mode

- /exec

# clear ip rsvp signalling

clear ip rsvp signalling [ rate-limit | refresh-reduction ]

## Syntax Description

clear	Reset functions
ip	Clear IP commands
rsvp	Clear RSVP information
signalling	Configure RSVP Signalling information
rate-limit	(Optional) Clear rate-limit counters
refresh-reduction	(Optional) Clear refresh-reduction counters

## Command Mode

- /exec



# clear ip stats

clear ip stats

## Syntax Description

clear	Reset functions
ip	Clear IP commands
stats	Clear IP internal stats

## Command Mode

- /exec

# clear ip traffic

```
clear ip traffic [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
traffic	Clear IP global statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

# clear ip vip

```
clear ip vip { uuid <uuid> | <vip-addr> vrf { <vrf-name> | <vrf-known-name> } }
```

## Syntax Description

clear	Reset functions
ip	Clear IP commands
vip	Clear virtual ip address
uuid	UUID of client
<i>uuid</i>	UUID of client whose vips needs to be cleared
<i>vip-addr</i>	VIP in format A.B.C.D
vrf	Display per-VRF information
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

## Command Mode

- /exec

## clear ipv6 adjacency no-ufdm

```
clear ipv6 adjacency [ vrf { <vrf-name> | <vrf-known-name> } ] { <ipv6-addr> | * } no-ufdm
```

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
adjacency	Clear Adjacency
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
*	Delete all adjacency in this context
no-ufdm	Create inconsistency in adjacency

### Command Mode

- /exec

# clear ipv6 adjacency statistics

clear ipv6 adjacency statistics

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
adjacency	Clear Adjacency
statistics	Clear Adjacency Statistics

## Command Mode

- /exec

# clear ipv6 amt tunnel

```
clear ipv6 amt tunnel [ <address6> <port> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

<code>clear</code>	AMT clear commands
<code>amt</code>	AMT show commands
<code>ipv6</code>	Display IP information
<code>tunnel</code>	Display tunnel information
<code>vrf</code>	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>port</i>	(Optional) UDP port number of gateway

## Command Mode

- /exec

# clear ipv6 cache

```
clear ipv6 cache { { interface [ <intf> ] } }
```

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
cache	Clear ipv6 cache
interface	Clear ipv6 interface information
<i>intf</i>	(Optional) Interface name to clear

## Command Mode

- /exec

## clear ipv6 dhcp relay statistics

```
clear ipv6 dhcp relay statistics [ interface <intf> [ [ server-ip <ip-addr-val> [ use-vrf <vrf-name> ] [ interface
<dest-interface> ] ] [ server-ip <ip-addr-val> [ interface <dest-interface> ] [ use-vrf <vrf-name> ] ] ] ]
```

### Syntax Description

clear	Reset functions
ipv6	IPv6
dhcp	Clear State of DHCPv6 features
relay	Clear State of DHCPv6 relay stats
statistics	DHCPv6 Relay statistics
interface	(Optional) input interface
<i>intf</i>	(Optional) interface
server-ip	(Optional) Server address
use-vrf	(Optional) Server address VRF membership
<i>vrf-name</i>	(Optional) VRF name
interface	(Optional) Destination interface for the server address
<i>dest-interface</i>	(Optional) Destination interface

### Command Mode

- /exec



# clear ipv6 eigrp route-map statistics redistribute

```
clear ipv6 eigrp [ <eigrp-ptag> ] route-map statistics redistribute { bgp <as> | { eigrp | isis | ospfv3 | rip }
<tag> | static | direct | amt | lisp } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
route-map	Route-map related information
statistics	Route-map statistics
redistribute	Redistribute information from another routing protocol
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
isis	IS-IS Routing for IPv4
ospfv3	Open Shortest Path First (OSPF) V3
rip	Routing Information Protocol (RIP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>tag</i>	Process tag
static	Static routes
direct	Directly connected
amt	AMT Anycast prefix
lisp	LISP EID-prefixes

## Command Mode

- /exec

## clear ipv6 icmp

```
clear ipv6 { icmp | nd } { interface statistics [ <interface> ] | global statistics }
```

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
icmp	Clear ICMPv6 information
nd	Clear Neighbor Discovery interface information
interface	Clear ICMPv6 related interface information
statistics	Clear ICMPv6 interface statistics
global	Clear ICMPv6 global statistics
<i>interface</i>	(Optional) Interface to clear statistics for

### Command Mode

- /exec

# clear ipv6 icmp vpc-statistics

clear ipv6 icmp vpc-statistics

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
icmp	Clear ICMPv6 information
vpc-statistics	Clear ICMPv6 ND vPC statistics

## Command Mode

- /exec

## clear ipv6 interface statistics

clear ipv6 interface statistics [ <interface> ]

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
interface	Clear IPv6 related interface information
statistics	Clear IPv6 interface statistics
<i>interface</i>	(Optional) Interface to clear statistics for

### Command Mode

- /exec

# clear ipv6 lisp data-cache

```
clear ipv6 lisp data-cache [ <eid6> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

<code>clear</code>	Reset functions
<code>ipv6</code>	Clear IPv6 commands
<code>lisp</code>	LISP clear commands
<code>data-cache</code>	Clear EID-to-RLOC data cache mapping in this ITR
<code>eid6</code>	(Optional) Clear mapping for IPv6 destination EID
<code>vrf</code>	(Optional) Display per-VRF information
<code>vrf-name</code>	(Optional) VRF name
<code>vrf-known-name</code>	(Optional) Known VRF name

## Command Mode

- /exec

## clear ipv6 lisp statistics

```
clear ipv6 lisp statistics [ vrf { <vrf-name> | <vrf-known-name> } ]
```

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
lisp	LISP clear commands
statistics	Clear global LISP statistics
vrf	(Optional) Clear statistics for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec

## clear ipv6 mld groups

```
clear ipv6 [ icmp ] mld { groups | route } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name>
| <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
icmp	(Optional) Clear ICMPv6 information
mld	Clear Multicast Listener Discovery information
groups	Route information
route	Route information
all	Clear all routes
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec

## clear ipv6 mroute

```
clear ipv6 mroute { { <all> [ shared-tree | source-tree ] } | { <group-prefix> [ shared-tree | source-tree ] } | {
<group> [ <source> | shared-tree | source-tree ] } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mroute	Clear multicast routing table
all	Clear all routes
shared-tree	(Optional) Clear the (*,G) route associated with the group
source-tree	(Optional) Clear all (S,G) routes associated with the group
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec



# clear ipv6 mtu

```
clear ipv6 mtu [ <ipv6-addr> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mtu	Display IPV6 Path MTU Cache
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

## clear ipv6 neighbor

```
clear ipv6 neighbor [ [ <nbr-addr> [ <intf> ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] | vrf { <vrf-name>
| <vrf-known-name> | all } | <interface> ] [ force-delete ]
```

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
neighbor	Clear ICMPv6 neighbor cache
<i>intf</i>	(Optional) Clear cache entries for given interface
<i>interface</i>	(Optional) Clear cache entries for given interface
force-delete	(Optional) Clear the cache entries without refresh
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec

# clear ipv6 netstack mroute

```
clear ipv6 netstack mroute { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
netstack	Netstack's local cache
mroute	Multicast route information
all	Clear all routes
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

## Command Mode

- /exec

## clear ipv6 pim event-history

clear ipv6 pim event-history [ <pim6-event-hist-buf-name> ]

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	Clear PIM event history buffers
event-history	Clear event-history buffers
<i>pim6-event-hist-buf-name</i>	(Optional) Event-history buffer instance

### Command Mode

- /exec

# clear ipv6 pim interface statistics

clear ipv6 pim interface statistics [ <interface> ]

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	Clear PIM6 information
interface	Interface related information
statistics	Packet interface counter statistics
<i>interface</i>	(Optional) Interface name to clear

## Command Mode

- /exec

## clear ipv6 pim policy statistics jp

clear ipv6 pim policy statistics { jp-policy | neighbor-policy } <interface>

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	Clear PIM information
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
<i>interface</i>	Interface

### Command Mode

- /exec

# clear ipv6 pim route

```
clear ipv6 pim route { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	PIM6 clear commands
route	Route information
all	Clear all routes
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

## Command Mode

- /exec

## clear ipv6 pim statistics

```
clear ipv6 pim statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	Clear PIM6 information
statistics	Packet global counter statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec



## clear ipv6 rip policy statistics redistribute bgp

```
{ { clear ipv6 rip policy statistics redistribute bgp <as> } | { clear ipv6 rip policy statistics redistribute eigrp <tag> } | { clear ipv6 rip policy statistics redistribute isis <tag> } | { clear ipv6 rip policy statistics redistribute rip <tag> } | { clear ipv6 rip policy statistics redistribute ospfv3 <tag> } | { clear ipv6 rip policy statistics redistribute direct } | { clear ipv6 rip policy statistics redistribute static } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
rip	Routing Information Protocol (RIP)
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
isis	Intermediate-to-intermediate (ISIS)
ospfv3	Open Shortest Path First (OSPFv3)
tag	Process tag
static	Static routes
direct	Directly connected routes
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec

## clear ipv6 routing multicast event-history

clear ipv6 routing multicast event-history [ <m6rib-event-hist-buf-name> ]

### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
routing	Clear event-history buffers
multicast	Clear all multicast event-history buffers
event-history	Clear event-history buffers
<i>m6rib-event-hist-buf-name</i>	(Optional) Event-history buffer name

### Command Mode

- /exec

# clear ipv6 statistics

clear ipv6 statistics

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
statistics	Clear IPv6 global statistics

## Command Mode

- /exec

# clear ipv6 traffic

```
clear ipv6 traffic [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
traffic	Clear IPv6 traffic statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

## clear isis adjacency

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] adjacency { * | { <interface> | system-id
<sid> } + } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
adjacency	Clear IS-IS adjacency state
*	IS-IS adjacencies on all interfaces
<i>interface</i>	IS-IS interface
system-id	Hostname or System ID
<i>sid</i>	Hostname or System ID (in the form of XXXX.XXXX.XXXX)

### Command Mode

- /exec

# clear isis dpi

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] dpi [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
dpi	Clear IS-IS DPI logs

## Command Mode

- /exec

## clear isis event-history

clear isis [ <isis-tag> ] event-history [ <isis-event-hist-buf-name> ]

### Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
event-history	Clear event history buffers
<i>isis-event-hist-buf-name</i>	(Optional) Clear the specific event history buffer

### Command Mode

- /exec

## clear isis ipv6 route-map statistics

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 route-map statistics { { redistribute
{ bgp <as> | { <src-isis> | eigrp | ospfv3 | rip } <tag> } } | { redistribute { static | direct | amt | lisp } } | {
distribute <src-level> into <dst-level> } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv6	Clear IS-IS IPv6 information
statistics	Clear IS-IS route-map statistics
redistribute	Redistribute information from another routing protocol
bgp	Border Gateway Protocol (BGP)
eigrp	Enhanced Interior Gateway Protocol
<i>as</i>	Autonomous system number
src-isis	IS-IS Routing for IPv6
ospfv3	Open Shortest Path First (OSPF) V3
rip	RIP for IPv6 (RIPNG)
<i>tag</i>	Process tag
static	Static routes
direct	Directly connected
amt	AMT anycast prefix
lisp	LISP EID-prefixes
route-map	Route-map to constrain redistribution
distribute	Distribute routes between ISIS levels
into	from level-n into level-m



<i>src-level</i>	Route-distribution between levels
<i>dst-level</i>	Route-distribution between levels

**Command Mode**

- /exec

## clear isis redistribution

```
clear isis [ <isis-tag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribution	Clear IS-IS redistributed information

### Command Mode

- /exec

## clear isis route-map statistics

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] route-map statistics { { redistribute
{ bgp <as> | { <src-isis> | eigrp | ospf | rip } <tag> } } | { redistribute { static | direct | amt | lisp } } | { distribute
<src-level> into <dst-level> } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ip	(Optional) Clear IS-IS IPv4 information
route-map	Clear IS-IS route-map information
statistics	Clear IS-IS route-map statistics
redistribute	Redistribute information from another routing protocol
bgp	Border Gateway Protocol (BGP)
eigrp	Enhanced Interior Gateway Protocol
<i>as</i>	Autonomous system number
src-isis	IS-IS Routing for IPv4
ospf	Open Shortest Path First (OSPF)
rip	RIP for IPv4
<i>tag</i>	Process tag
static	Static routes
direct	Directly connected
amt	AMT anycast prefix
lisp	LISP EID-prefixes
distribute	Distribute routes between ISIS levels
into	from level-n into level-m

<i>src-level</i>	Route-distribution between levels
<i>dst-level</i>	Route-distribution between levels

**Command Mode**

- /exec

# clear isis spf-log

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] spf-log [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
spf-log	Display IS-IS SPF information

## Command Mode

- /exec

## clear isis statistics

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics { * | <interface> } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Clear IS-IS protocol statistics
*	All IS-IS protocol statistics
<i>interface</i>	IS-IS interface

### Command Mode

- /exec

# clear isis traffic

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic { * | <interface> } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Clear IS-IS traffic information
*	All IS-IS traffic information
<i>interface</i>	IS-IS interface

## Command Mode

- /exec

# clear itd statistics

clear itd statistics <service-name>

## Syntax Description

clear	Reset functions
itd	ITD service
statistics	ITD statistics
<i>service-name</i>	ITD service-name

## Command Mode

- /exec



# clear keystore

clear { keystore | sksd } [ <index> | <name> ]

## Syntax Description

clear	Reset functions
keystore	Clear all records in the keystore
sksd	Clear all records in the keystore/sksd-chip
<i>index</i>	(Optional) Clear secret at index <index>
<i>name</i>	(Optional) Clear secret with name <name>

## Command Mode

- /exec

# clear l2dbg

```
clear l2dbg { macdb | portdb | rvtepdb }
```

## Syntax Description

clear	Clear
l2dbg	L2 debug databases
macdb	L2 debug MACDB
portdb	L2 debug PORTDB
rvtepdb	L2 debug RVTEPDB

## Command Mode

- /exec

# clear l2fwder statistics

clear l2fwder statistics

## Syntax Description

clear	Reset functions
l2fwder	Clear L2FWDER related information
statistics	Clear the L2FWDER packet counters

## Command Mode

- /exec

## clear l3vm event-history

clear l3vm event-history { pss | errors | mts | reinit | cli | vrf | topology | all }

### Syntax Description

clear	Reset functions
l3vm	Debug L3VM information
event-history	log debug events into event history buffer
pss	L3VM pss operation
errors	L3VM errors
mts	L3VM MTS messages
reinit	L3VM reinit events
cli	Log L3VM CLI related events
vrf	Log VRF related events
topology	Log Topology related events
all	All L3VM debugging

### Command Mode

- /exec

# clear lacp counters

clear lacp counters [ interface <if0> ]

## Syntax Description

clear	Reset functions
lacp	LACP protocol
counters	LACP counters
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)

## Command Mode

- /exec

## clear ldap-server statistics

```
clear ldap-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics
<time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions>
<auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match>
<auth_resp_not_processed> <auth_resp_error> } { acct_statistics <acct_failed_transactions>
<acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match>
<acct_resp_not_processed> <acct_resp_error> } } ]
```

### Syntax Description

clear	Reset functions
ldap-server	Clear LDAP related parameters
statistics	Clear LDAP statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
monitoring_statistics	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
auth_statistics	(Optional) Authentication Statistics
acct_statistics	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions

<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timedout</i>	(Optional) Accounting: Requests timedout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

**Command Mode**

- /exec

# clear license

```
clear license { <license-file> [ force ] | sprom | <s0> }
```

## Syntax Description

clear	Reset functions
license	clear license
<i>license-file</i>	License file to be uninstalled
force	(Optional) Force license clear (don't prompt)
sprom	clear license contents in sprom
<i>s0</i>	License file to be uninstalled

## Command Mode

- /exec



# clear lim counters

clear lim counters [ timeline ]

## Syntax Description

clear	Clear lim counters
lim	clear lim counters
counters	clear lim counters
timeline	(Optional) Clear all lim counters

## Command Mode

- /exec

# clear line

clear line <s0>

## Syntax Description

clear	Reset functions
line	Kill a session on particular vty
s0	Enter the vty name

## Command Mode

- /exec

## clear lisp ddt referral-cache

```
clear lisp ddt referral-cache [ instance-id <iid> ] [ <eid-prefix> | <eid-prefix6> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

### Syntax Description

clear	Reset functions
lisp	LISP clear commands
ddt	LISP Delegated Database Tree
referral-cache	Clear the DDT referral cache
vrf	(Optional) Clear entry for particular vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
instance-id	(Optional) Clear entry for specific instance-ID
<i>iid</i>	(Optional) 24-bit instance-ID value
<i>eid-prefix</i>	(Optional) Clear entry associated with IP EID-prefix

### Command Mode

- /exec

## clear lisp dynamic-eid

```
clear lisp dynamic-eid { <dyn-eid-name> | <dyn-eid> } [ vrf { <vrf-name> | <vrf-known-name> } ]
```

### Syntax Description

clear	Reset functions
lisp	LISP clear commands
dynamic-eid	Clear dynamic-EID state
<i>dyn-eid</i>	IPv4 address of dynamic-EID entry
<i>dyn-eid-name</i>	Clear entries discovered for a dynamic-EID range
vrf	(Optional) Clear dynamic-EID entries for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec

# clear lisp proxy-itr

```
clear lisp proxy-itr [ <addr> | <addr6> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

clear	Reset functions
lisp	LISP clear commands
proxy-itr	Clear discovered PITRs
<i>addr</i>	(Optional) IPv4 locator address of PITR
vrf	(Optional) Clear proxy-itr state for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

## clear lisp site

```
clear lisp site <site-name> [ instance-id <iid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

### Syntax Description

clear	Reset functions
lisp	LISP clear commands
site	Clear site registration data
<i>site-name</i>	Clear registration data for a single site
instance-id	(Optional) Clear registration for a single instance-id within a site
<i>iid</i>	(Optional) 24-bit instance-ID value
vrf	(Optional) Clear site entries for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec

# clear lldp counters

clear lldp counters

## Syntax Description

clear	Reset functions
lldp	Reset the lldp counters
counters	Reset the lldp traffic counters to zero

## Command Mode

- /exec

## clear lldp counters interface

clear lldp counters interface <if0>

### Syntax Description

clear	Reset functions
lldp	Reset the lldp counters
counters	Reset the lldp traffic counters to zero
interface	Clear lldp traffic counters per interface
<i>if0</i>	Enter interface

### Command Mode

- /exec



# clear logging ip access-list cache

clear logging ip access-list cache

## Syntax Description

clear	Reset functions
logging	Clear logging information
ip	IP configuration
access-list	Access-list
cache	logging

## Command Mode

- /exec

# clear logging logfile

clear logging logfile

## Syntax Description

clear	Reset functions
logging	Clear logging information
logfile	Clear logfile messages

## Command Mode

- /exec

# clear logging nvram

clear logging nvram

## Syntax Description

clear	Reset functions
logging	Clear logging information
nvram	Clear nvram logs

## Command Mode

- /exec

# clear logging onboard

```
clear logging onboard [ { counter-stats | epld-log | internal { <dc3_options> } | module <module> [ {
counter-stats | internal { <dc3_options> } } ] ] ]
```

## Syntax Description

clear	Reset functions
logging	Clear logging information
onboard	Clear OBFL information
counter-stats	(Optional) Clear OBFL counter statistics
epld-log	(Optional) Clear EPLD log
internal	(Optional) Clear Logging Onboard Internal
module	(Optional) Clear OBFL information for Module
<i>module</i>	(Optional) Enter module number
counter-stats	(Optional) Clear OBFL counter statistics
<i>dc3_options</i>	(Optional) dc3 options

## Command Mode

- /exec

# clear logging onboard

```
clear logging onboard [ { card-boot-history | card-first-power-on | environmental-history | error-stats |
exception-log | interrupt-stats | module <module> [ { environmental-history | error-stats | exception-log |
interrupt-stats | obfl-logs | stack-trace | card-boot-history | card-first-power-on } ] | obfl-logs | stack-trace } ]
```

## Syntax Description

clear	Reset functions
logging	Clear logging information
onboard	Clear OBFL information
environmental-history	(Optional) Clear OBFL environmental history
error-stats	(Optional) Clear OBFL error statistics
exception-log	(Optional) Clear OBFL exception log
interrupt-stats	(Optional) Clear OBFL interrupt statistics
card-boot-history	(Optional) Clear Card Boot History
card-first-power-on	(Optional) Clear Card First Power On
module	(Optional) Clear OBFL information for Module
<i>module</i>	(Optional) Enter module number
obfl-logs	(Optional) Clear OBFL (boot-uptime/device-version/obfl-history).
stack-trace	(Optional) Clear OBFL stack trace

## Command Mode

- /exec

## clear logging onboard fex

clear logging onboard fex <ifex> { environmental-history | exception-log | internal { kernel | kernel-big | reset-reason } | obfl-log | stack-trace }

### Syntax Description

clear	Reset functions
logging	Clear logging information
onboard	Clear OBFL information
fex	Clear OBFL information for FEX
<i>ifex</i>	Enter FEX ID
environmental-history	Clear OBFL environmental history
exception-log	Clear OBFL exception log
internal	Clear Logging Onboard Internal
reset-reason	Clear OBFL reset reason
kernel	Clear kernel log
kernel-big	Clear kernel log (large records)
obfl-log	Clear OBFL (boot-uptime/device-version/obfl-history)
stack-trace	Clear OBFL kernel stack trace

### Command Mode

- /exec

# clear logging session

clear logging session

## Syntax Description

clear	Reset functions
logging	Clear logging information
session	Clear logging session

## Command Mode

- /exec

# clear login failures

clear login failures

## Syntax Description

clear	Reset functions
login	Secure Login
failures	Clear login failures in the current watch period

## Command Mode

- /exec



## clear mac address-table datapath

```
clear mac address-table datapath { dynamic [ vlan <id> ] | static [ vlan <id> ] | { statistics [ interface ] } |
isis_intf_stats }
```

### Syntax Description

clear	Clear
mac	MAC configuration commands
address-table	MAC Address Table
datapath	Titanium Datapath Table
dynamic	clear dynamic entries from Titanium PD Forwarding Table
static	USE WITH CAUTION!! clear static entries from Titanium PD Forwarding Table
vlan	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
statistics	Clear datapath statistics
interface	(Optional) Clear datapath interface statistics
isis_intf_stats	Statistics of ISIS Frames Tx/Rx

### Command Mode

- /exec

## clear mac address-table dynamic

```
clear mac address-table dynamic [ local ] [ address <mac-addr> | interface <interface-name> ] [ multicast-entries
[ not-notified ] ] [ vlan <vlan-id> | vni <vni-id> | peer-ip <peer-ipv4> ] [ instance <instance> ] [ __readonly__
<info_str> ]
```

### Syntax Description

clear	Clear
mac	MAC configuration commands
address-table	MAC Address Table
dynamic	clear dynamic entries from the Layer2 Forwarding Table
local	(Optional) clear MAC Entries Learned Locally and Not on the Overlay/VXLAN
address	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) VXLAN Network Identifier
<i>vni-id</i>	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
<i>peer-ipv4</i>	(Optional) VXLAN Peer IP Address
instance	(Optional) Eureka Instance
<i>instance</i>	(Optional) ASIC Instance Number
multicast-entries	(Optional) clear all dynamically learnt multicast entries
not-notified	(Optional) entries that exceed the hardware notification limit
__readonly__	(Optional)
<i>info_str</i>	(Optional) Information

### Command Mode

- /exec

# clear macsec mka statistics

```
clear macsec mka statistics [ interface <ifname> ]
```

## Syntax Description

clear	Reset functions
macsec	Clear MACsec parameters
mka	Clear MKA parameters
statistics	Clear MKA statistics
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list

## Command Mode

- /exec

# clear mmode database

clear mmode database

## Syntax Description

clear	Reset functions
mmode	Clear mmode
database	Clear mmode database

## Command Mode

- /exec

# clear mpls forwarding statistics

clear mpls forwarding statistics [ interface { <interface> | all } ]

## Syntax Description

clear	Reset functions
mpls	MPLS events
forwarding	Clear MPLS software forwarded
statistics	Traffic statistics
interface	(Optional) Interface specific information
<i>interface</i>	(Optional) Interface chosen to clear statistics
all	(Optional) All interfaces

## Command Mode

- /exec

## clear mpls ldp neighbor

```
clear mpls ldp neighbor [ vrf { <vrf-name> | <vrf-known-name> } ] { <address> | * }
```

### Syntax Description

clear	Reset functions
mpls	MPLS clear commands
ldp	Clear LDP state
neighbor	Clear LDP neighbor sessions
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>address</i>	IP address for LDP neighbor
*	Clear all neighbors

### Command Mode

- /exec

# clear mpls static trace

clear mpls static trace { error | warning | event }

## Syntax Description

clear	Clear MPLS static trace buffer
mpls	MPLS configuration commands
static	MPLS static
trace	MPLS static trace
error	MPLS static error trace
warning	MPLS static warning trace
event	MPLS static event trace

## Command Mode

- /exec

# clear mpls strip labels

```
clear mpls strip labels { static | dynamic | all }
```

## Syntax Description

clear	Reset functions
mpls	Configure MPLS settings
strip	Stripping of MPLS headers
labels	labels in database
all	all labels [default]
static	labels learned using cli
dynamic	dynamically learned

## Command Mode

- /exec



## clear mpls switching label statistics

clear mpls switching label statistics { all | <label-value> }

### Syntax Description

clear	Reset functions
mpls	MPLS clear commands
switching	Clear MPLS label switching database information
label	Clear MPLS label information
statistics	Clear label statistics
all	Clear statistics for all labels
<i>label-value</i>	Label

### Command Mode

- /exec

# clear mpls traffic-eng auto-bw timers

clear mpls traffic-eng auto-bw timers

## Syntax Description

auto-bw	Clear auto-bw collection
timers	Clear tunnel counters
clear	Reset functions
mpls	MPLS clear commands
traffic-eng	Clear MPLS Traffic-Engineering statistical information

## Command Mode

- /exec

# clear mpls traffic-eng link-management counters

clear mpls traffic-eng link-management counters

## Syntax Description

link-management	Clear Link-Management statistical information
counters	Clear Link-Management counters
clear	Reset functions
mpls	MPLS clear commands
traffic-eng	Clear MPLS Traffic-Engineering statistical information

## Command Mode

- /exec

# clear mpls traffic-eng tunnel counters

clear mpls traffic-eng tunnel counters

## Syntax Description

tunnel	Clear Tunnel statistics
counters	Clear tunnel counters
clear	Reset functions
mpls	MPLS clear commands
traffic-eng	Clear MPLS Traffic-Engineering statistical information

## Command Mode

- /exec

# clear nbm flow statistics

clear nbm flow statistics

## Syntax Description

clear	Clear
nbm	Non blocking Multicast
flow	NBM flows
statistics	Clear nbm flow statistics

## Command Mode

- /exec

# clear ngoam

```
clear ngoam { probe { statistics { summary | { session { <handle> | all } } } } }
```

## Syntax Description

clear	Reset functions
ngoam	ngoam information
probe	clear ngoam probe
statistics	clear ngoam statistics
summary	clear ngoam statistics summary
session	clear ngoam information by session handle
<i>handle</i>	specify session handle
all	clear stats for all probe sessions

## Command Mode

- /exec

# clear ngoam

```
clear ngoam { { interface statistics } }
```

## Syntax Description

clear	Reset functions
ngoam	ngoam information
interface	probe packet interface
statistics	clear ngoam statistics

## Command Mode

- /exec

## clear npv statistics

```
clear npv statistics [ interface <if0> ]
```

### Syntax Description

clear	Reset functions
npv	Clear commands for NPV
statistics	Clear NPV statistics
interface	(Optional) Clear NPV statistics on an interface
<i>if0</i>	(Optional)

### Command Mode

- /exec



# clear ntp session

clear ntp session

## Syntax Description

clear	Reset functions
ntp	Network Time Protocol
session	Clear the ntp configuration session

## Command Mode

- /exec

# clear ntp statistics

```
clear ntp statistics { all-peers | io | local | memory }
```

## Syntax Description

clear	Reset functions
ntp	Network Time Protocol
statistics	Clear NTP Statistics
all-peers	Clear per-peer statistics counter of all peers
io	Clear input-output statistics
local	Clear counters maintained by the local NTP
memory	Clear statistics counters related to memory code

## Command Mode

- /exec

# clear nve peer-ip

```
clear nve peer-ip <peer_ipv4>
```

## Syntax Description

clear	Clear
nve	Configure NVE information
peer-ip	peer ip
<i>peer_ipv4</i>	peer ip

## Command Mode

- /exec

# clear nve peers history-log

clear nve peers history-log

## Syntax Description

clear	Reset functions
nve	Configure NVE information
peers	NVE Peer
history-log	nve_clear_peers_history_log_cmd

## Command Mode

- /exec

# clear nve peers interface counters

clear nve peers <addr> interface <nve-if>counters

## Syntax Description

clear	Reset functions
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
interface	Interface

## Command Mode

- /exec

## clear nve peers vni interface counters

clear nve peers { <addr> | all } vni { <vni-id> | all } interface <nve-if>counters

### Syntax Description

clear	Reset functions
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
all	Clear counters for all peers/VNIs
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
interface	Interface

### Command Mode

- /exec

# clear nve vni counters

```
clear nve vni { <vni-id> | all } counters
```

## Syntax Description

clear	Reset functions
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
counters	Counters
all	Clear counters for all vnis

## Command Mode

- /exec

# clear nvram

clear nvram

## Syntax Description

clear	Reset functions
nvram	purge NVRAM

## Command Mode

- /exec



# clear nxapi-server logs

clear nxapi-server logs

## Syntax Description

clear	Reset functions
nxapi-server	Clear NX-API Server
logs	Clear NX-API Server logs

## Command Mode

- /exec

# clear nxapi retries

clear nxapi retries

## Syntax Description

clear	Reset functions
nxapi	nxapi related functions
retries	Clear retries bit

## Command Mode

- /exec

# clear onep error

clear onep error

## Syntax Description

clear	Reset functions
onep	One Platform
error	Clear the ONE-P error buffer

## Command Mode

- /exec

## clear onep history

```
clear onep history { { archived } | { all } | { session { all | <onep-session-id> } } }
```

### Syntax Description

clear	Reset functions
onep	One Platform
history	One Platform history trails
archived	One Platform archived session
session	One Platform session
all	All sessions
<i>onep-session-id</i>	Specific session name

### Command Mode

- /exec

# clear onep session rate-limit

clear onep session rate-limit

## Syntax Description

clear	Reset functions
onep	One Platform
session	One Platform session
rate-limit	rate limiting feature info

## Command Mode

- /exec

# clear onep statistics

```
clear onep statistics [ session { all | <onep-session-id> } ]
```

## Syntax Description

clear	Reset functions
onep	One Platform
statistics	statistics
session	(Optional) One Platform session
all	(Optional) All sessions
<i>onep-session-id</i>	(Optional) Specific session name

## Command Mode

- /exec

# clear onep trace

clear onep trace

## Syntax Description

clear	Reset functions
onep	One Platform
trace	Clear the ONE-P trace buffer

## Command Mode

- /exec

# clear openflow switch controller all

clear openflow switch <switch-id> controller all

## Syntax Description

clear	Reset functions
openflow	Clear OpenFlow switch information
switch	Logical switch id
<i>switch-id</i>	Logical switch-id
controller	Controller
all	All

## Command Mode

- /exec



# clear ospfv3 database

```
clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Clear the LSDB and all neighbors

## Command Mode

- /exec

## clear ospfv3 event-history

clear ospfv3 [ <tag> ] event-history [ adjacency | event | ha | flooding | lsa | spf | redistribution | cli | hello | spf-trigger | all ]

### Syntax Description

clear	Reset functions
ospfv3	Debugging functions
<i>tag</i>	(Optional) Process tag
event-history	Clear the event history buffers
adjacency	(Optional) Adjacency formation logs
event	(Optional) Internal event logs
ha	(Optional) HA and GR logs
flooding	(Optional) LSA flooding logs
lsa	(Optional) LSA generation and database logs
spf	(Optional) SPF calculation logs
redistribution	(Optional) Redistribution logs
cli	(Optional) Cli logs
hello	(Optional) HELLO related logs
spf-trigger	(Optional) SPF TRIGGER related logs
all	(Optional) All event history buffers

### Command Mode

- /exec

# clear ospfv3 event-history detail

clear ospfv3 [ <tag> ] event-history detail

## Syntax Description

clear	Reset functions
ospfv3	Debugging functions
<i>tag</i>	(Optional) Process tag
event-history	Clear the event history buffer
detail	Detailed event history buffer

## Command Mode

- /exec

## clear ospfv3 interface

```
clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface { * | <interface> } [ vrf {
<vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	Clear one or more interfaces
*	Clear all interfaces
<i>interface</i>	Interface to clear

### Command Mode

- /exec

# clear ospfv3 neighbor

```
clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbor { * | <neighborid> | <interface>
} [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbor	Clear one or more neighbors
*	Clear all neighbors
<i>neighborid</i>	Source IP address, or router ID of the neighbor
<i>interface</i>	Interface to clear all neighbors on

## Command Mode

- /exec

## clear ospfv3 policy statistics

```
clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] policy statistics { { redistribute { bgp
<as> | { eigrp | isis | rip } <tag> | static | direct | amt | lisp } } | { area <area-id-ip> filter-list { in | out } } } [
vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
policy	Clear Policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
eigrp	Enhanced Interior Gateway Protocol (EIGRP)
rip	Routing Information Protocol (RIP)
isis	ISO Intermediate-to-Intermediate (IS-IS)
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
static	Static
direct	Directly connected
amt	AMT anycast prefix
lisp	LISP EID-prefixes
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas
in	Filter networks sent to this area
out	Filter networks sent from this area

<i>tag</i>	
------------	--

**Command Mode**

- /exec

## clear ospfv3 redistribution

```
clear ospfv3 [ <tag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribution	Clear OSPFv3 route redistribution

### Command Mode

- /exec



# clear ospfv3 statistics

```
clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Clear statistics counters

## Command Mode

- /exec

# clear ospfv3 traffic

```
clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Clear traffic counters
<i>interface</i>	(Optional) Interface to clear all traffic on

## Command Mode

- /exec

# clear otv arp-nd

```
clear otv arp-nd [ <l3_addr> ]
```

## Syntax Description

clear	Reset functions
otv	OTV events
arp-nd	Log ARP/ND caching clear
<i>l3_addr</i>	(Optional) L3 IP address

## Command Mode

- /exec

## clear otv isis adjacency

```
clear otv isis [ <otv-isis-tag> ] adjacency { * | { <interface> | system-id <sid> } } [ vpn { <vrf-name> | all } ]
```

### Syntax Description

clear	Reset functions
otv	Clear OTV commands
isis	Clear IS-IS information
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
adjacency	Clear IS-IS adjacency state
*	IS-IS adjacencies on all interfaces
<i>interface</i>	IS-IS interface
system-id	Hostname or System ID
<i>sid</i>	Hostname or System ID (in the form of XXXX.XXXX.XXXX)

### Command Mode

- /exec

# clear otv isis event-history

```
clear otv isis [ <isis-tag> ] event-history [ <isis-event-hist-buf-name> ]
```

## Syntax Description

clear	Reset functions
otv	Clear OTV commands
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
event-history	Clear event history buffers
<i>isis-event-hist-buf-name</i>	(Optional) Clear the specific event history buffer

## Command Mode

- /exec

## clear otv isis route-map statistics

```
clear otv isis [ <otv-isis-tag> ] [ ip ] route-map statistics [ vpn { <vrf-name> | all } ]
```

### Syntax Description

clear	Reset functions
otv	Clear OTV commands
isis	Clear IS-IS information
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ip	(Optional) Clear IS-IS IPv4 information
route-map	Clear IS-IS route-map information
statistics	Clear IS-IS route-map statistics

### Command Mode

- /exec

## clear otv isis statistics

```
clear otv isis [ <otv-isis-tag> ] statistics { * | <interface> } [ vpn { <vrf-name> | all } ]
```

### Syntax Description

clear	Reset functions
otv	Clear OTV commands
isis	Clear IS-IS information
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
statistics	Clear IS-IS protocol statistics
*	All IS-IS protocol statistics
<i>interface</i>	IS-IS interface

### Command Mode

- /exec

## clear otv isis traffic

```
clear otv isis [ <otv-isis-tag> ] traffic { * | <interface> } [ vpn { <vrf-name> | all } ]
```

### Syntax Description

clear	Reset functions
otv	Clear OTV commands
isis	Clear IS-IS information
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
traffic	Clear IS-IS traffic information
*	All IS-IS traffic information
<i>interface</i>	IS-IS interface

### Command Mode

- /exec



## clear peer-info interface vsan

clear peer-info interface <iface> vsan <vsan\_id>

### Syntax Description

clear	Reset functions
peer-info	clear rmid information
interface	clear peer rmid information for a port in a vsan
<i>iface</i>	
vsan	clear peer rmid information
<i>vsan_id</i>	Enter VSAN number

### Command Mode

- /exec

## clear pktmgr cache interface

```
clear pktmgr cache { { interface [ <intf> ] } | { vlan [ <vl> ] } }
```

### Syntax Description

clear	Reset functions
pktmgr	Clear Packet Manager information
cache	Clear pktmgr cache
interface	Clear pktmgr related interface information
vlan	Clear pktmgr related vlan information
<i>intf</i>	(Optional) Interface name to clear
<i>vl</i>	(Optional) Vlan

### Command Mode

- /exec

# clear pktmgr client

clear pktmgr client [ <uuid> ]

## Syntax Description

clear	Reset functions
pktmgr	Clear Packet Manager information
client	Clear pktmgr clients counters
<i>uuid</i>	(Optional) Clear pktmgr client counters for given uuid

## Command Mode

- /exec

# clear pktmgr interface

clear pktmgr interface [ <interface> ]

## Syntax Description

clear	Reset functions
pktmgr	Clear Packet Manager information
interface	Clear pktmgr related interface information
<i>interface</i>	(Optional) Interface name to display

## Command Mode

- /exec

# clear port-profile command-cache

clear port-profile command-cache [ interface <intfname> ]

## Syntax Description

clear	Reset functions
port-profile	Clear port-profiles
command-cache	Clear port-profile command cache
interface	(Optional) Name of interface
<i>intfname</i>	(Optional) Name of interface

## Command Mode

- /exec

# clear port-profile database

clear port-profile database

## Syntax Description

clear	Reset functions
port-profile	Clear port-profiles
database	Clear port-profile database

## Command Mode

- /exec

## clear port-security dynamic address vlan

clear port-security dynamic address <mac-address> vlan <vlanid>

### Syntax Description

clear	Reset functions
port-security	Clear port-security information
dynamic	dynamic addresses
address	secure address
<i>mac-address</i>	48 bit mac address
vlan	vlan information
<i>vlanid</i>	vlan id. Enter a value between 1 and 4094

### Command Mode

- /exec

## clear port-security dynamic interface

clear port-security dynamic interface <if\_index> [ vlan <vlanid> ]

### Syntax Description

clear	Reset functions
port-security	Clear port-security information
dynamic	dynamic addresses
interface	interface
<i>if_index</i>	ethernet
vlan	(Optional) vlan information
<i>vlanid</i>	(Optional) vlan id. Enter a value between 1 and 4094

### Command Mode

- /exec



# clear port-security nvram

clear port-security nvram

## Syntax Description

clear	Reset functions
port-security	Clear port-security information
nvram	port-security nvram

## Command Mode

- /exec

# clear port-security nvram force

clear port-security nvram force

## Syntax Description

clear	Reset functions
port-security	Clear port-security information
nvram	port-security nvram
force	force clear

## Command Mode

- /exec

# clear processes log all

clear processes log all

## Syntax Description

clear	Reset functions
processes	process-related clear commands
log	Delete log files
all	Delete all the log files

## Command Mode

- /exec

# clear processes log all vdc-all

clear processes log all vdc-all

## Syntax Description

clear	Reset functions
processes	process-related clear commands
log	Delete log files
all	Delete all the log files
vdc-all	Delete all the log files in all vdes

## Command Mode

- /exec

# clear processes log archive

clear processes log archive [ file <s0> ]

## Syntax Description

clear	Reset functions
processes	system manager spawned processes
log	Delete log files
archive	clear all process logs for this vdc from logflash on this module
file	(Optional) delete a log file on logflash
s0	(Optional) Name of file in directory 'log'

## Command Mode

- /exec

# clear processes log pid

clear processes log pid <i0>

## Syntax Description

clear	Reset functions
processes	process-related clear commands
log	Delete log files
pid	Delete log file of a specific process
<i>i0</i>	pid of the process

## Command Mode

- /exec

# clear processes vdc log all

clear processes vdc <e-vdc2> log all

## Syntax Description

clear	Reset functions
processes	process-related clear commands
vdc	process-related clear commands in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Delete log files
all	Delete all the log files

## Command Mode

- /exec

# clear processes vdc log pid

clear processes vdc <e-vdc2> log pid <i1>

## Syntax Description

clear	Reset functions
processes	process-related clear commands
vdc	process-related clear commands in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Delete log files
pid	Delete log file of a specific process
<i>i1</i>	pid of the process

## Command Mode

- /exec



# clear ptp counters interface

```
clear ptp counters { interface <if0> | all }
```

## Syntax Description

clear	Reset functions
ptp	Precision Time Protocol (IEEE 1588) Subsystem
counters	Display PTP packet counters
interface	Enter the port interface
all	Displays all information
<i>if0</i>	

## Command Mode

- /exec

# clear qos mpls-snmp

clear qos mpls-snmp

## Syntax Description

clear	Reset functions
mpls-snmp	MPLS default table-map and snmp indices in pss

## Command Mode

- /exec

# clear qos policies

clear qos policies

## Syntax Description

clear	Reset functions
policies	Clear default policies

## Command Mode

- /exec

# clear qos policies force

clear qos policies force

## Syntax Description

clear	Reset functions
policies	Clear default policies
force	Clear forcefully

## Command Mode

- /exec

# clear qos statistics

```
clear qos statistics [ { interface [ <iface-list> ] | vlan [ <vlan-list> ] } [ input | output ] [ type <qos-or-q> ] ]
```

## Syntax Description

clear	Reset functions
statistics	Clear statistics
interface	(Optional) Clear statistics on a interface
<i>iface-list</i>	(Optional) List of Interfaces
vlan	(Optional) 802.1Q vlan
<i>vlan-list</i>	(Optional) List of vlan ids
input	(Optional) Input Service policy
output	(Optional) Output Service policy
type	(Optional) Policy type
<i>qos-or-q</i>	(Optional)

## Command Mode

- /exec

# clear queuing burst-detect

```
clear queuing burst-detect [ interface <if_name> [ queue <queue_num> ] ] [ module <module> ]
```

## Syntax Description

clear	Clear all entries
queuing	Queuing related information
burst-detect	Out of Band micro-burst queue statistics
interface	(Optional) Interface
<i>if_name</i>	(Optional) interface name
queue	(Optional) Queue number for displaying statistics
<i>queue_num</i>	(Optional) Queue number
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

## Command Mode

- /exec

# clear queuing pfc-queue

clear queuing pfc-queue [ interface <if\_list> ]

## Syntax Description

clear	Reset functions
queuing	clear queuing related counters
pfc-queue	clear watchdog timers
interface	(Optional) Interface
<i>if_list</i>	(Optional) List of interfaces

## Command Mode

- /exec

# clear queuing tah-pfc-queue

```
clear queuing tah-pfc-queue [ interface <if_list> ] [ module <module> ]
```

## Syntax Description

clear	Clear
queuing	Queuing related information
tah-pfc-queue	PFC watchdog queuing related stats
interface	(Optional) Interface for clearing queuing stats
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

## Command Mode

- /exec



## clear radius-server statistics

```
clear radius-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics
<time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions>
<auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match>
<auth_resp_not_processed> <auth_resp_error> } { acct_statistics <acct_failed_transactions>
<acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match>
<acct_resp_not_processed> <acct_resp_error> } } ]
```

### Syntax Description

clear	Reset functions
radius-server	Clear RADIUS related parameters
statistics	Clear RADIUS statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
<i>monitoring_statistics</i>	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
<i>auth_statistics</i>	(Optional) Authentication Statistics
<i>acct_statistics</i>	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions

<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timeout</i>	(Optional) Accounting: Requests timeout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

**Command Mode**

- /exec

# clear radius session

clear radius session

## Syntax Description

clear	Reset functions
radius	clear to be committed RADIUS config and lock in fabric
session	clear to be committed RADIUS config and lock in fabric

## Command Mode

- /exec

# clear rmon

clear rmon { alarms | events | logs | hcalarms | all-alarms }

## Syntax Description

clear	Reset functions
rmon	Clear RMON tables
alarms	Clear all 32 bit alarms
events	Clear rmon log this also clears rmon event table
logs	Clear rmon log
hcalarms	Clear all 64 bit rmon alarms
all-alarms	Clear all 32 bit and 64 bit rmon alarms

## Command Mode

- /exec

# clear route-map pbr-statistics

clear route-map { <route-map-name> | <route-map-cfg-name> } pbr-statistics

## Syntax Description

clear	Reset functions
route-map	Route-map used for PBR
<i>route-map-name</i>	Route-map name
<i>route-map-cfg-name</i>	Known route-map name
pbr-statistics	Statistics for policy based routing

## Command Mode

- /exec

## clear routing event-history

```
clear routing [ ip | ipv4 ] [ unicast ] event-history { add-route | cli | delete-route | detail | errors | general | ha |
loop-detection | modify-route | notifications | recursive-next-hop | summary | ufdm | ufdm-detail | ufdm-summary
}
```

### Syntax Description

clear	Reset functions
routing	Clear routing information
ip	(Optional) Clear IP commands
ipv4	(Optional) Clear IP commands
unicast	(Optional) Clear unicast information
event-history	Clear routing event log
add-route	Add route
cli	CLI
delete-route	Delete route
detail	Detail
errors	Errors
general	General
ha	HA
loop-detection	Loop detection
modify-route	Modify route
notifications	Notification
recursive-next-hop	Recursive next hop
summary	Summary
ufdm	UFDM
ufdm-detail	UFDM Detail
ufdm-summary	UFDM Summary

### Command Mode

- /exec

## clear routing ipv6 event-history

clear routing ipv6 [ unicast ] event-history { am | cli | detail | errors | general | ha | lfe | recursive-next-hop | summary | ufdm | ufdm-detail | ufdm-summary }

### Syntax Description

clear	Reset functions
routing	Clear routing information
ipv6	Clear IPv6 commands
unicast	(Optional) Clear unicast information
event-history	Clear routing event log
am	AM
cli	CLI
detail	Detail
errors	Errors
general	General
ha	HA
lfe	LFE
recursive-next-hop	Recursive next hop
summary	Summary
ufdm	UFDM
ufdm-detail	UFDM Detail
ufdm-summary	UFDM Summary

### Command Mode

- /exec

## clear routing ipv6 multicast

```
clear routing ipv6 multicast { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
routing	Clear routing information
ipv6	Clear IPv6 commands
multicast	Clear multicast routing table
all	Clear all routes
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec



# clear routing memstats

clear routing [ ip | ipv4 ] [ unicast ] memstats

## Syntax Description

clear	Reset functions
routing	Clear routing information
ip	(Optional) Clear IP commands
ipv4	(Optional) Clear IP commands
unicast	(Optional) Display unicast information
memstats	Clear urib memory statistics

## Command Mode

- /exec

## clear routing multicast

```
clear routing [ ip | ipv4 ] multicast { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

clear	Reset functions
routing	Clear routing information
ip	(Optional) Clear IP commands
ipv4	(Optional) Clear IP commands
multicast	Clear multicast routing table
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

### Command Mode

- /exec

# clear rpm pss

```
clear rpm pss { running | startup | all }
```

## Syntax Description

clear	Reset functions
rpm	Route Policy Manager (RPM)
pss	Clear PSS related information
running	Clear the running PSS commands configuration
startup	Clear the startup PSS commands configuration
all	Clear all PSS commands configuration

## Command Mode

- /exec

# clear scheduler logfile

clear scheduler logfile

## Syntax Description

clear	Reset functions
scheduler	Scheduler clear commands
logfile	Clear scheduler log file

## Command Mode

- /exec

# clear screen

clear screen

## Syntax Description

clear	Reset functions
screen	Clear screen

## Command Mode

- /exec

# clear service module slot password

clear service module slot <slot-no> password

## Syntax Description

clear	clear functions
service	service module
module	module
slot	slot id
<i>slot-no</i>	slot
password	Reset svc-module password

## Command Mode

- /exec

# clear session state name

clear session state name <s4>

## Syntax Description

clear	Reset functions
session	Reset config session internals
state	Reset config session internal state
name	Reset config session internal state for a given name
s4	Enter the name of the session

## Command Mode

- /exec

# clear sflow statistics

clear sflow statistics

## Syntax Description

clear	Reset functions
sflow	sFlow global configuration
statistics	Clear sFlow statistics

## Command Mode

- /exec



# clear snmp counters

clear snmp counters

## Syntax Description

clear	Reset functions
snmp	Clear SNMP Tables
counters	Clear SNMP counters

## Command Mode

- /exec

# clear snmp hostconfig

clear snmp hostconfig

## Syntax Description

clear	Reset functions
snmp	Clear SNMP Tables
hostconfig	Clear SNMP Host List

## Command Mode

- /exec

# clear sockets statistics

clear sockets statistics { all | tcp | tcp6 | udp | udp6 | raw | raw6 }

## Syntax Description

clear	Reset functions
sockets	Clear sockets statistics
statistics	Clear sockets statistics
all	Clear TCP/UDP/RAW v4/v6 statistics
tcp	Clear TCP v4 statistics
tcp6	Clear TCP v6 statistics
udp	Clear UDP v4 statistics
udp6	Clear UDP v6 statistics
raw	Clear RAW v4 statistics
raw6	Clear RAW v6 statistics

## Command Mode

- /exec

## clear spanning-tree counters

clear spanning-tree counters [ interface <interface-id> | vlan <vlan-id> | bridge-domain <bd-id> ]

### Syntax Description

clear	Reset functions
spanning-tree	Spanning Tree Subsystem
counters	Clear spanning tree statistics
interface	(Optional) Specify an interface as a target for the command
<i>interface-id</i>	(Optional) Specify an interface as a target for the command
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11

### Command Mode

- /exec

# clear spanning-tree detected-protocols

clear spanning-tree detected-protocols [ interface <interface-id> ]

## Syntax Description

clear	Reset functions
spanning-tree	Spanning Tree Subsystem
detected-protocols	Restart the protocol migration process
interface	(Optional) Specify an interface as a target for the command
<i>interface-id</i>	(Optional) Specify an interface as a target for the command

## Command Mode

- /exec

# clear spanning-tree sps-hist

clear spanning-tree sps-hist

## Syntax Description

clear	Reset functions
spanning-tree	Spanning Tree Subsystem
sps-hist	Set port state stats

## Command Mode

- /exec

# clear ssh hosts

clear ssh hosts

## Syntax Description

clear	Reset functions
ssh	Clear ssh values
hosts	Clear the list of trusted ssh hosts

## Command Mode

- /exec

# clear system reset-reason

clear system reset-reason

## Syntax Description

clear	Reset functions
system	Clear logs in system
reset-reason	Clear reset-reason logs in the system

## Command Mode

- /exec



# clear system reset-reason history

clear system reset-reason history

## Syntax Description

clear	Reset functions
system	Clear logs in system
reset-reason	Clear reset-reason logs in the system
history	Clear reset-reason history logs in the system

## Command Mode

- /exec

## clear tacacs-server statistics

```
clear tacacs-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics
<time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions>
<auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match>
<auth_resp_not_processed> <auth_resp_error> } { autho_statistics <autho_failed_transactions>
<autho_succ_transactions> <autho_req_sent> <autho_req_timedout> <autho_resp_no_match>
<autho_resp_not_processed> <autho_resp_error> } { acct_statistics <acct_failed_transactions>
<acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match>
<acct_resp_not_processed> <acct_resp_error> } ]
```

### Syntax Description

clear	Reset functions
tacacs-server	Clear TACACS related parameters
statistics	Clear TACACS statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
monitoring_statistics	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
auth_statistics	(Optional) Authentication Statistics
autho_statistics	(Optional) Authorization Statistics
acct_statistics	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors

<i>autho_failed_transactions</i>	(Optional) Authorization: Failed transactions
<i>autho_succ_transactions</i>	(Optional) Authorization: Successful transactions
<i>autho_req_sent</i>	(Optional) Authorization: Requests sent
<i>autho_req_timeout</i>	(Optional) Authorization: Requests timeout
<i>autho_resp_no_match</i>	(Optional) Authorization: Responses with no matching requests
<i>autho_resp_not_processed</i>	(Optional) Authorization: Responses not processed
<i>autho_resp_error</i>	(Optional) Authorization: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions
<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timeout</i>	(Optional) Accounting: Requests timeout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

**Command Mode**

- /exec

# clear tech-support lock

clear tech-support lock

## Syntax Description

clear	Reset functions
tech-support	Gather information for troubleshooting
lock	Clear the lock which prohibits multiple show techs to run in parallel

## Command Mode

- /exec

# clear tech-support lock

clear tech-support lock

## Syntax Description

clear	Reset functions
tech-support	Gather information for troubleshooting
lock	Clear the lock which prohibits multiple show techs to run in parallel

## Command Mode

- /exec

# clear user

clear user <s0>

## Syntax Description

clear	Reset functions
user	Logout a particular user
s0	Enter the username

## Command Mode

- /exec

# clear veobc counters

clear veobc counters

## Syntax Description

clear	Reset function
veobc	Reset the veobc counters
counters	Reset the veobc statistic counters to zero

## Command Mode

- /exec

## clear vlan access-list counters

clear vlan access-list counters [ <name> ]

### Syntax Description

clear	Reset functions
vlan	Vlan commands
access-list	Clear access list statistical information
counters	Clear access list counters
<i>name</i>	(Optional) List name

### Command Mode

- /exec



# clear vlan counters

clear vlan [ id <vlan-id> ] counters

## Syntax Description

clear	Reset functions
vlan	Vlan commands
id	(Optional) clear VLAN counters by VLAN id
<i>vlan-id</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
counters	display counters

## Command Mode

- /exec

# clear vmtracker counters

clear vmtracker counters

## Syntax Description

clear	Clear
vmtracker	Clear vmtracker info
counters	Clear vmtracker counter info

## Command Mode

- /exec

# clear vpc statistics all

clear vpc statistics all

## Syntax Description

clear	Reset functions
vpc	Virtual Port Channel configuration
statistics	Statistics
all	All vPC statistics

## Command Mode

- /exec

# clear vpc statistics peer-keepalive

clear vpc statistics peer-keepalive

## Syntax Description

clear	Reset functions
vpc	Virtual Port Channel configuration
statistics	Statistics
peer-keepalive	peer keepalive module related statistics

## Command Mode

- /exec

## clear vpc statistics vpc

```
clear vpc statistics { vpc <vpc_num> | peer-link }
```

### Syntax Description

clear	Reset functions
vpc	Statistics for a specific vPC
statistics	Statistics
<i>vpc_num</i>	Virtual Port Channel number
peer-link	stats for peer-link

### Command Mode

- /exec

## clear vpc transport statistics

clear vpc transport statistics [ \_\_readonly\_\_ <last-clear-time> ]

### Syntax Description

clear	Reset functions
vpc	Virtual Port Channel configuration
transport	cfs transport
statistics	Statistics
__readonly__	(Optional) Read Only
<i>last-clear-time</i>	(Optional) time difference from last clear time

### Command Mode

- /exec/

# clear vrrp statistics

```
clear vrrp statistics [ interface <intf_num> ] [ vr <vr_id> ]
```

## Syntax Description

clear	Reset functions
vrrp	Clear virtual router
statistics	Clear global virtual router statistics
interface	(Optional) Select interface
<i>intf_num</i>	(Optional)
vr	(Optional) [1-255] clear virtual router statistics
<i>vr_id</i>	(Optional)

## Command Mode

- /exec

## clear vrrpv3 statistics

```
clear vrrpv3 statistics [ <interface_num> [ <group_num> ] ] [ <opt_v4_or_v6> ]
```

### Syntax Description

clear	Reset functions
vrrpv3	VRRPv3 Clear commands
statistics	VRRPV3 statistics
<i>interface_num</i>	(Optional) Interface
<i>group_num</i>	(Optional) Group number
<i>opt_v4_or_v6</i>	(Optional) Enter ipv4 or ipv6

### Command Mode

- /exec



# clear vtp counters

clear vtp counters

## Syntax Description

clear	Reset functions
vtp	Clear VTP items
counters	Clear VTP counters

## Command Mode

- /exec

# clear xl

clear xl

## Syntax Description

clear	Reset functions
xl	

## Command Mode

- /exec

# cli alias name

{ cli alias name <s0> <line> | no cli alias name <s0> [ <line> ] }

## Syntax Description

no	Negate a command or set its defaults
cli	Configure CLI commands
alias	Define an alias
name	Specify the alias
<i>s0</i>	Alias command
<i>line</i>	Alias definition

## Command Mode

- /exec/configure

# cli reload parsetree

cli reload parsetree

## Syntax Description

cli	
reload	
parsetree	

## Command Mode

- /exec

# cli show running-config local

cli show running-config local

## Syntax Description

cli	
show	
running-config	
local	

## Command Mode

- /exec

# cli var name

{ cli var name <s0> <line> | no cli var name <s0> [ <line> ] }

## Syntax Description

no	Negate a command or set its defaults
cli	Configure CLI commands
var	Define a variable
name	Specify a variable name
<i>s0</i>	Variable name
<i>line</i>	Variable value

## Command Mode

- /exec/configure

# cli var name

cli no var name <*s0*>

## Syntax Description

cli	CLI commands
no	Negate a command or set its defaults
var	Unset a variable
name	Specify a variable name
<i>s0</i>	Variable name

## Command Mode

- /exec

# cli var name

[no] cli var name <s0>

## Syntax Description

no	Negate a command or set its defaults
cli	CLI commands
var	Unset a variable
name	Specify a variable name
s0	Variable name

## Command Mode

- /exec



# cli var name

cli var name <s0> <line>

## Syntax Description

cli	CLI commands
var	Define a variable
name	Specify a variable name
<i>s0</i>	Variable name
<i>line</i>	Variable value

## Command Mode

- /exec

# cli verifyrun

[no] cli verifyrun

## Syntax Description

no	(Optional) Negate a command or set its defaults
cli	CLI commands
verifyrun	Verify and run

## Command Mode

- /exec

# client-to-client reflection

[no] client-to-client reflection

## Syntax Description

no	(Optional) Negate a command or set its defaults
client-to-client	Configure client-to-client route reflection
reflection	reflection of routes permitted

## Command Mode

- /exec/configure/router-bgp/router-bgp-af

# clis all

clis { no debug | undebug } all

## Syntax Description

clis	dcos cli command
no	Negate a command or set its defaults
undebug	Disable Debugging functions (See also debug)
debug	Debugging functions
all	Disable

## Command Mode

- /exec

## clock-tolerance ntp oneway absolute

```
{ { no | default } clock-tolerance | clock-tolerance ntp oneway { absolute <abs-value> | percent <percentage> } }
```

### Syntax Description

no	
<i>clock-tolerance</i>	ntp
default	Set a command to its defaults
clock-tolerance	Set acceptable clock synchronization error
ntp	Acceptable clock synchronization error due to NTP
oneway	Acceptable clock synchronization error in oneway measurement
absolute	Acceptable error in microseconds
percent	Acceptable error as percent of value measured
<i>abs-value</i>	Number in microseconds
<i>percentage</i>	Percentage of one-way delay

### Command Mode

- /exec/configure/ip-sla/jitter

# clock format 12

[no] clock format { 12-hours | 24-hours }

## Syntax Description

no	(Optional) Negate a command or set its defaults
clock	Clock
format	Display format of clock
12-hours	12 hours display
24-hours	24 hours display

## Command Mode

- /exec/configure

# clock format show-timezone debug

[no] clock format show-timezone debug

## Syntax Description

no	(Optional) Negate a command or set its defaults
clock	Clock
format	Display format of clock
show-timezone	Display the configured timezone
debug	Display the configured timezone in debugs

## Command Mode

- /exec/configure

# clock format show-timezone syslog

[no] clock format show-timezone syslog

## Syntax Description

no	(Optional) Negate a command or set its defaults
clock	Clock
format	Display format of clock
show-timezone	Display the configured timezone
syslog	Display the configured timezone in syslogs

## Command Mode

- /exec/configure



# clock protocol

[no] clock protocol { ntp | ptp | none } vdc <vdc-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
clock	Clock
protocol	protocol
ntp	ntp
ptp	ptp
none	none (clock can be set manually)
vdc	vdc
<i>vdc-id</i>	vdc-id

## Command Mode

- /exec/configure

# clock set

clock set <s0> <i0> { April <i1> | August <i2> | December <i3> | February <i4> | January <i5> | July <i6> | June <i7> | March <i8> | May <i9> | November <i10> | October <i11> | September <i12> }

## Syntax Description

clock	Clock
set	HH:MM:SS Current Time
s0	HH:MM:SS Current Time
i0	Day of the month
April	Month of the year
i1	Enter the year (no abbreviation)
August	Month of the year
i2	Enter the year (no abbreviation)
December	Month of the year
i3	Enter the year (no abbreviation)
February	Month of the year
i4	Enter the year (no abbreviation)
January	Month of the year
i5	enter the year (no abbreviation)
July	Month of the year
i6	Enter the year (no abbreviation)
June	Month of the year
i7	Enter the year (no abbreviation)
March	Month of the year
i8	Enter the year (no abbreviation)
May	Month of the year
i9	Enter the year (no abbreviation)
November	Month of the year
i10	Enter the year (no abbreviation)

October	Month of the year
<i>i11</i>	Enter the year (no abbreviation)
September	Month of the year
<i>i12</i>	Enter the year (no abbreviation)

**Command Mode**

- /exec

## clock summer

```
{ clock { summer-time <s0> [ <i0> <s1> <s2> <s3> <i1> <s4> <s5> <s6> [ <i2> ] ] | timezone <s7> <i3>
<i4> } | no clock { summer-time [ <s0> <i0> <s1> <s2> <s3> <i1> <s4> <s5> <s6> <i2> ] | timezone [ <s7>
<i3> <i4> ] } }
```

### Syntax Description

no	Negate a command or set its defaults
clock	Clock
summer-time	Configure summer (daylight savings) time
<i>s0</i>	Name of time zone in summer, such as PDT, CDT, EDT, etc..
<i>i0</i>	(Optional) Week number to start (first week=1, last week=5)
<i>s1</i>	(Optional) Weekday to start
<i>s2</i>	(Optional) Month to start
<i>s3</i>	(Optional) HH:MM Time to start
<i>i1</i>	(Optional) Week number to end (first week=1, last week=5)
<i>s4</i>	(Optional) Weekday to end
<i>s5</i>	(Optional) Month to end
<i>s6</i>	(Optional) HH:MM Time to end
<i>i2</i>	(Optional) Offset to add in minutes
timezone	Configure time zone
<i>s7</i>	Name of time zone, such as PST, MST, CST, EST, etc..
<i>i3</i>	Hours offset from UTC
<i>i4</i>	Minutes offset from UTC

### Command Mode

- /exec/configure

# clock sync-interval

[no] clock sync-interval <intv>

## Syntax Description

no	(Optional) Negate a command or set its defaults
clock	Clock
sync-interval	sync-interval in seconds
<i>intv</i>	interval

## Command Mode

- /exec/configure

# cluster-id

[no] cluster-id { <ip-cluster-id> | <int-cluster-id> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
cluster-id	Configure Route Reflector Cluster-ID
<i>ip-cluster-id</i>	Cluster-id as an IP address
<i>int-cluster-id</i>	Cluster-id as a 32 bit quantity

## Command Mode

- /exec/configure/router-bgp/vrf-cmds

# collect counter bytes

[no] collect counter { bytes | packets } [ long ]

## Syntax Description

collect	Specify a non-key field
counter	Counters to collect
bytes	Total number of bytes
packets	Total number of packets
long	(Optional) Long counter (64 bits)

## Command Mode

- /exec/configure/nfm-record

# collect flow sampler id

[no] collect flow sampler id

## Syntax Description

collect	Specify a non-key field
flow	Flow identifying fields
sampler	Sampler
id	Identifier for sampler used for the flow

## Command Mode

- /exec/configure/nfm-record



# collect ip version

[no] collect ip version

## Syntax Description

collect	Specify a non-key field
ip	IP attributes
version	IPv4 or IPv6

## Command Mode

- /exec/configure/nfm-record

# collect routing destination as

[no] collect routing destination as [ peer ]

## Syntax Description

collect	Specify a non-key field
routing	Routing attributes
destination	AS destination
as	Destination AS number of origin network
peer	(Optional) Destination AS number of the peer network

## Command Mode

- /exec/configure/nfm-record

# collect routing forwarding-status

[no] collect routing forwarding-status

## Syntax Description

collect	Specify a non-key field
routing	Routing attributes
forwarding-status	Forwarding status of the packet

## Command Mode

- /exec/configure/nfm-record

# collect routing next-hop address ipv4

[no] collect routing next-hop address ipv4 [ bgp ]

## Syntax Description

collect	Specify a non-key field
routing	Routing attributes
next-hop	Next hop address
address	Address
ipv4	IPv4 next hop address
bgp	(Optional) BGP next hop IPv4 address

## Command Mode

- /exec/configure/nfm-record

## collect routing next-hop address ipv6

[no] collect routing next-hop address ipv6 [ bgp ]

### Syntax Description

collect	Specify a non-key field
routing	Routing attributes
next-hop	Next hop address
address	Address
ipv6	IPv6 next hop address
bgp	(Optional) BGP next hop IPv6 address

### Command Mode

- /exec/configure/nfm-record

## collect routing source as

[no] collect routing source as [ peer ]

### Syntax Description

collect	Specify a non-key field
routing	Routing attributes
source	AS source
as	AS source
peer	(Optional) Source AS number of the peer network

### Command Mode

- /exec/configure/nfm-record

# collect timestamp sys-uptime first

[no] collect timestamp sys-uptime { first | last }

## Syntax Description

collect	Specify a non-key field
timestamp	Timestamp fields
sys-uptime	System uptime
first	Time the first packet was seen
last	Time the most recent packet was seen

## Command Mode

- /exec/configure/nfm-record

# collect transport tcp flags

[no] collect transport tcp flags

## Syntax Description

collect	Specify a non-key field
transport	Transport layer fields
tcp	TCP layer fields
flags	TCP flags

## Command Mode

- /exec/configure/nfm-record



# commit

commit

## Syntax Description

commit	Commit the current configuration session
--------	--

## Command Mode

- /exec/configure

# commit

commit

## Syntax Description

commit	commit itd session
--------	--------------------

## Command Mode

- /exec/configure/itd-session-device-group

# commit verbose

commit verbose

## Syntax Description

commit	Commit the current configuration session
verbose	Commit the current configuration session with more details

## Command Mode

- /exec/configure

# compress-bitfields ipv6 multicast

[no] compress-bitfields ipv6 multicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
compress-bitfields	Compress bitfield for improved memory utilization
ipv6	Use for IPv6 multicast
multicast	Use compressed bitfields for M6RIB and PIM

## Command Mode

- /exec/configure

## compress-bitfields ipv6 multicast

[no] compress-bitfields ipv6 multicast

### Syntax Description

no	(Optional) Negate a command or set its defaults
compress-bitfields	Compress bitfields for improved memory utilization
ipv6	Use for IPv6 multicast
multicast	Use compressed bitfields for M6RIB and PIM6

### Command Mode

- /exec/configure

# compress-bitfields multicast

[no] compress-bitfields [ ipv4 ] multicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
compress-bitfields	Compress bitfield for improved memory utilization
ipv4	(Optional) Use for IPv4 multicast
multicast	Use compressed bitfields for MRIB and PIM

## Command Mode

- /exec/configure

# conf-offset

[no] conf-offset <offset>

## Syntax Description

conf-offset	Configure Confidentiality offset
<i>offset</i>	Confidentiality offset options

## Command Mode

- /exec/configure/macsec-policy

# confederation identifier

[no] confederation identifier <confed-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
confederation	AS confederation parameters
identifier	Set routing domain confederation AS
<i>confed-id</i>	AS number

## Command Mode

- /exec/configure/router-bgp/vrf-cmds



# confederation peers

[no] confederation peers <confed-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
confederation	AS confederation parameters
peers	Peer ASs in BGP confederation
<i>confed-id</i>	AS number

## Command Mode

- /exec/configure/router-bgp/vrf-cmds

# config-source controller

[no] config-source controller

## Syntax Description

no	(Optional) Negate a command or set its defaults
config-source	Configuration source for this NVE interface. Defaults to CLI
controller	Controller

## Command Mode

- /exec/configure/if-nve

# configure

configure [ terminal ]

## Syntax Description

configure	Enter configuration mode
terminal	(Optional) Configure the system from terminal input

## Command Mode

- /exec

# configure maintenance profile normal

[no] configure maintenance profile { normal-mode | maintenance-mode }

## Syntax Description

no	(Optional) Negate a command or set its defaults
configure	Enter configuration mode
maintenance	maintenance profile mode
profile	maintenance profile
normal-mode	Normal mode profile
maintenance-mode	Maintenance mode profile

## Command Mode

- /exec

# configure profile

[no] configure profile <all\_conf\_profile\_name> [ type admin ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
configure	Enter configuration mode
profile	Configure profile
<i>all_conf_profile_name</i>	Enter the name of the configure profile
type	(Optional) config profile type
admin	(Optional) config profile admin type

## Command Mode

- /exec

# configure replace

```
configure replace { <uri_local> | <uri_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } [ verbose ] [ show-patch ]
```

## Syntax Description

configure	Configure the box
replace	Perform a replace of the running-config
<i>uri_local</i>	Configuration file to use
<i>uri_remote</i>	Configuration file to use
source-interface	(Optional) Select source interface
<i>intf</i>	(Optional)
vrf	(Optional) Display per-VRF information
verbose	(Optional) Show the logs of operation
show-patch	(Optional) Show the patch to be applied
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

# configure session

configure session <s0>

## Syntax Description

configure	Enter configuration mode
session	Configure the system in a session
<i>s0</i>	Enter the name of the session

## Command Mode

- /exec

# configure sync

configure sync

## Syntax Description

configure	Enter configuration mode
sync	Configure the system in config-sync mode

## Command Mode

- /exec



# congestion-control ecn

[no] congestion-control ecn

## Syntax Description

no	(Optional) Negate a command or set its defaults
congestion-control	Congestion Control Protocol
ecn	Enable ECN protocol

## Command Mode

- /exec/configure/policy-map/type/uf/class

## congestion-control random-detect

```
[no] congestion-control random-detect { [ threshold { burst-optimized | mesh-optimized } ] | {
minimum-threshold <min-thresh> [ packets | bytes | kbytes | mbytes ] maximum-threshold <max-thresh> [
packets1 | bytes1 | kbytes1 | mbytes1 ] drop-probability <drop-prob> } } { [ ecn ] }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
congestion-control	Congestion Control Protocol
random-detect	Enable WRED protocol
threshold	(Optional) Threshold
minimum-threshold	Minimum Threshold
maximum-threshold	Maximum Threshold
burst-optimized	(Optional) Threshold optimized for bursty traffic
mesh-optimized	(Optional) Threshold optimized for mesh traffic
drop-probability	Drop Probability at Maximum Threshold
<i>drop-prob</i>	Drop Probability Value
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo Bytes
mbytes	(Optional) Mega Bytes
packets1	(Optional) Packets
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes
ecn	(Optional) Explicit Congestion Notification

### Command Mode

- /exec/configure/policy-map/type/uf/class

# congestion-control random-detect forward-nonecn

[no] congestion-control random-detect forward-nonecn

## Syntax Description

no	(Optional) Negate the command
congestion-control	Congestion control protocol
random-detect	Enable WRED protocol
forward-nonecn	Forward non ECN capable traffic without WRED dropping

## Command Mode

- /exec/configure

# congestion-control random-detect global-buffer minimum-threshold maximum-threshold

[no] congestion-control random-detect global-buffer minimum-threshold { <min-thresh> [ packets | bytes | kbytes | mbytes ] } maximum-threshold { <max-thresh> [ packets1 | bytes1 | kbytes1 | mbytes1 ] }

## Syntax Description

no	(Optional) Negate the command
congestion-control	Congestion control protocol
random-detect	Enable WRED protocol
global-buffer	global buffer threshold
minimum-threshold	Specify minimum threshold for WRED
<i>min-thresh</i>	Minimum threshold value
maximum-threshold	Specify maximum threshold for WRED
<i>max-thresh</i>	Maximum threshold value
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
packets1	(Optional) Packets
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes

## Command Mode

- /exec/configure

# congestion-control tail-drop

[no] congestion-control tail-drop [ threshold { burst-optimized | mesh-optimized } ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
congestion-control	Congestion Control Protocol
tail-drop	Enable Tail-Drop
threshold	(Optional) Threshold
burst-optimized	(Optional) Threshold optimized for bursty traffic
mesh-optimized	(Optional) Threshold optimized for mesh traffic

## Command Mode

- /exec/configure/policy-map/type/uf/class

# connect

[no] connect

## Syntax Description

no	(Optional) Negate a command or set its defaults
connect	Connect to remote host

## Command Mode

- /exec/configure/vmt-conn

# continue

```
{ continue <value> } | { no continue [ <value> ] }
```

## Syntax Description

no	Negate a command or set its defaults
continue	Continue on a different entry within the route-map
<i>value</i>	Route-map entry sequence number

## Command Mode

- /exec/configure/route-map

# contract-id

{ contract-id <s0> | no contract-id }

## Syntax Description

no	Negate a command or set its defaults
contract-id	Service contract id of the customer
s0	Provide contract number (as specified in the service agreement)

## Command Mode

- /exec/configure/callhome



# control-plane

control-plane

## Syntax Description

control-plane	Enter to control-plane sub-mode
---------------	---------------------------------

## Command Mode

- /exec/configure

# control vlan

[no] control vlan <vlan-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
control	ITD control vlan
vlan	control vlan
<i>vlan-id</i>	Control vlan id

## Command Mode

- /exec/configure/itd-inout

# controller-credentials username password 0

[no] controller-credentials username <user> password { 0 <clear> | 7 <encrypted> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
controller-credentials	NBM Controller login credentials
username	User ID
<i>user</i>	Enter user ID
password	Password
0	Password that follows should be in clear text
<i>clear</i>	Password in clear text
7	Password that follows should be encrypted text
<i>encrypted</i>	Encrypted password

## Command Mode

- /exec/configure/nbm-controller

# controller description

{ controller description <ctrlr-desc> | no controller description }

## Syntax Description

no	Negate a command or set its defaults
controller	Controller command
description	Controller description
<i>ctrlr-desc</i>	String description of the controller

## Command Mode

- /exec/configure/controller-type

# controller ip vrf

[no] controller ip <cntrl-ip> vrf { <vrf-name> | <vrf-known-name> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
controller	Controller
ip	IP Address
<i>cntrl-ip</i>	IP Address of Controller
vrf	vrf context
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

## Command Mode

- /exec/configure/nbm-controller

## controller ipv4

[no] controller ipv4 <ipv4> [ port <tcpport> ] [ security { none } ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
controller	OpenFlow controller to use
ipv4	Controller ipv4 address (A.B.C.D)
<i>ipv4</i>	IP address (A.B.C.D)
port	(Optional) Controller TCP port (default is 6653)
<i>tcpport</i>	(Optional) TCP port number (default port is 6653)
security	(Optional) Set security protocol
none	(Optional) Disable security protocol

### Command Mode

- /exec/configure/openflow/switch

## controller type l2-vxlan identifier

[no] controller type l2-vxlan identifier <controller-id>

### Syntax Description

no	(Optional) Negate a command or set its defaults
controller	Controller command
type	Controller type
l2-vxlan	l2-vxlan
identifier	Controller identifier
<i>controller-id</i>	Controller id value

### Command Mode

- /exec/configure

# copp clear policy pps

copp clear policy pps

## Syntax Description

copp	copp
clear	clear
policy	policy
pps	pps

## Command Mode

- /exec/configure



## copp copy profile prefix

copp copy profile <profile\_type> { prefix | suffix } <user\_string>

### Syntax Description

copp	Control-Plane Policing
copy	Make a copy of the CoPP Profile
profile	CoPP Profile
<i>profile_type</i>	CoPP Profile Types
prefix	prefix for the copied policy
suffix	suffix for the copied policy
<i>user_string</i>	Enter prefix/suffix for the copied policy

### Command Mode

- /exec

# copp distributed-policing enable

[no] copp distributed-policing enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
copp	Control-Plane Policing
distributed-policing	distributed policer
enable	enable distributed policing

## Command Mode

- /exec/configure

# copp profile

[no] copp profile [ <profile\_type> ]

## Syntax Description

no	Negate a command or set its defaults
copp	Control-Plane Policing
profile	CoPP Profile
<i>profile_type</i>	(Optional) CoPP Profile Types

## Command Mode

- /exec/configure

# copp profile

copp profile <profile\_type>

## Syntax Description

copp	Control-Plane Policing
profile	CoPP Profile
<i>profile_type</i>	CoPP Profile Types

## Command Mode

- /exec/configure

# copp rate-limit disable

[no] copp rate-limit disable

## Syntax Description

no	(Optional) Negate a command or set its defaults
copp	copp
rate-limit	rate-limit
disable	Disable rate-limit on CoPP queues

## Command Mode

- /exec/configure

# copy

```
copy { { <src_local> { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } } | { <src_remote>
{ <dest_local> | running-config [ echo-commands ] [ stop-at-first-failure ] | startup-config } } [ source-interface
<intf> | vrf <vrf-known-name> ] } | { <src_core> { <dest_remote> [ source-interface <intf> | vrf
<vrf-known-name> ] } } | { running-config-src { <dest_remote> [ source-interface <intf> | vrf
<vrf-known-name> ] } } | { startup-config-src { <dest_remote> [ source-interface <intf> | vrf
<vrf-known-name> ] } } }
```

## Syntax Description

copy	Copy from one file to another
<i>src_local</i>	Select source filesystem
<i>src_core</i>	Select source filesystem
<i>dest_local</i>	Select destination filesystem
<i>dest_remote</i>	Select destination filesystem
<i>src_remote</i>	Select source filesystem
vrf	(Optional) Display per-VRF information
source-interface	(Optional) Select source interface
<i>intf</i>	(Optional)
<i>vrf-known-name</i>	(Optional) Known VRF name
running-config	Copy from source to running configuration
running-config-src	Copy running configuration to destination
startup-config	Copy from source to startup configuration
startup-config-src	Copy startup configuration to destination
echo-commands	(Optional) Echo the commands before applying them (to correlate errors)
stop-at-first-failure	(Optional) Stop at first error

## Command Mode

- /exec

## Usage Guidelines



---

**Note** When a source or destination URI contains a reserved character such as '!' or '#', the reserved character must be entered as its percent-encoded ascii value, as described in RFC 3986. For example, the URI `!pa##word@example.com` must be entered as `%21pa%23%23word@example.com`. In this example, the reserved characters '!' (ascii 0x21) and '#' (ascii 0x23) are represented as '%21' and '%23'.

---

# copy

```
copy { { <src_local> { <dest_local> | running-config [ echo-commands ] [ stop-at-first-failure ] | startup-config
| scheduled-config } } | { <src_core> <dest_local_core> } | { running-config-src { startup-config [ fabric ] |
<dest_local_config> } } | { startup-config-src { running-config [ echo-commands ] [ stop-at-first-failure ] |
<dest_local_config> } } | { switch-profile-cfg <dest_local_config> } }
```

## Syntax Description

copy	Copy from one file to another
<i>src_local</i>	Select source filesystem
<i>src_core</i>	Select source filesystem
<i>dest_local</i>	Select destination filesystem
<i>dest_local_core</i>	Select destination filesystem
<i>dest_local_config</i>	Select destination filesystem
running-config	Copy from source to running configuration
running-config-src	Copy running configuration to destination
startup-config	Copy from source to startup configuration
startup-config-src	Copy startup configuration to destination
scheduled-config	Schedule configuration at the specified source to be applied at next switch reload
switch-profile-cfg	Copy switch profile running configuration to destination
echo-commands	(Optional) Echo the commands before applying them (to correlate errors)
stop-at-first-failure	(Optional) Stop at first error
fabric	(Optional) Copy from source to fabric startup configuration

## Command Mode

- /exec

## Usage Guidelines



**Note** When a source or destination URI contains a reserved character such as '!' or '#', the reserved character must be entered as its percent-encoded ascii value, as described in RFC 3986. For example, the URI `!pa##word@example.com` must be entered as `%21pa%23%23word@example.com`. In this example, the reserved characters '!' (ascii 0x21) and '#' (ascii 0x23) are represented as '%21' and '%23'.



# copy licenses

copy licenses <uri0>

## Syntax Description

copy	Copy from one file to another
licenses	Backup license files
<i>uri0</i>	Specify URL (with .tar extension) for backing up license files

## Command Mode

- /exec

# copy recursive

```
copy <source> <destination> recursive [ vrf <vrf-known-name> ]
```

## Syntax Description

copy	Copy from one file to another
recursive	Recursively copy files and folders
<i>source</i>	Select source filesystem
<i>destination</i>	Select destination filesystem
vrf	(Optional) Display per-VRF information
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

## Usage Guidelines




---

**Note** When a source or destination URI contains a reserved character such as '!' or '#', the reserved character must be entered as its percent-encoded ascii value, as described in RFC 3986. For example, the URI `!pa##word@example.com` must be entered as `%21pa%23%23word@example.com`. In this example, the reserved characters '!' (ascii 0x21) and '#' (ascii 0x23) are represented as '%21' and '%23'.

---

## copy running vdc-all

```
copy { running-config-src { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } |
startup-config-src { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } } vdc-all
```

### Syntax Description

copy	Copy from one file to another
<i>dest_remote</i>	Select destination filesystem
vrf	(Optional) Display per-VRF information
<i>vrf-known-name</i>	(Optional) Known VRF name
source-interface	(Optional) Select source interface
<i>intf</i>	(Optional)
running-config-src	Copy running configuration to destination
startup-config-src	Copy startup configuration to destination
vdc-all	Perform copy for all vdc's

### Command Mode

- /exec

### Usage Guidelines



**Note** When a source or destination URI contains a reserved character such as '!' or '#', the reserved character must be entered as its percent-encoded ascii value, as described in RFC 3986. For example, the URI !pa##word@example.com must be entered as %21pa%23%23word@example.com. In this example, the reserved characters '!' (ascii 0x21) and '#' (ascii 0x23) are represented as '%21' and '%23'.

## copy vdc-all

```
copy { running-config-src { startup-config | <dest_local_config> } | startup-config-src { running-config | <dest_local_config> } } vdc-all
```

### Syntax Description

copy	Copy from one file to another
<i>dest_local_config</i>	Select destination filesystem
running-config-src	Copy running configuration to destination
startup-config	Copy from source to startup configuration
running-config	Copy from source to running configuration
startup-config-src	Copy startup configuration to destination
vdc-all	Perform copy for all vdc

### Command Mode

- /exec

### Usage Guidelines



**Note** When a source or destination URI contains a reserved character such as '!' or '#', the reserved character must be entered as its percent-encoded ascii value, as described in RFC 3986. For example, the URI `!pa##word@example.com` must be entered as `%21pa%23%23word@example.com`. In this example, the reserved characters '!' (ascii 0x21) and '#' (ascii 0x23) are represented as '%21' and '%23'.

## core-on-no-memory

[no] core-on-no-memory

### Syntax Description

no	(Optional) Negate a command or set its defaults
core-on-no-memory	Generate core dump on memory allocation failure

### Command Mode

- /exec/configure/router-ospf

## core-on-no-memory

[no] core-on-no-memory

### Syntax Description

no	(Optional) Negate a command or set its defaults
core-on-no-memory	Generate core dump on memory allocation failure

### Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

# cost

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

## Syntax Description

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

## Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

# count

| count

## Syntax Description

	Pipe command output to filter
count	Count number of lines

## Command Mode

- /output



## counter name value op

counter name <counter-name> value <counter-value> op <op-val>

### Syntax Description

counter	Specify the name of the counter
name	Specify the name of the counter
<i>counter-name</i>	Name of the counter
value	Specify the value to be applied to the counter
<i>counter-value</i>	Enter the value
op	Specify the operator to be applied
<i>op-val</i>	Enter the value of the operator

### Command Mode

- /exec

# cpu threshold

[no] cpu threshold [ rising <risingth> falling <fallingth> interval <seconds> ]

## Syntax Description

no	Negate a command or set its defaults
cpu	CPU resource
threshold	Threshold settings
rising	(Optional) Rising threshold setting
<i>risingth</i>	(Optional) Rising threshold in percentage
falling	(Optional) Falling threshold setting
<i>fallingth</i>	(Optional) Falling threshold in percentage
interval	(Optional) Observation interval setting
<i>seconds</i>	(Optional) Observation interval in seconds

## Command Mode

- /exec/configure/onep

# cpu threshold rising falling interval

cpu threshold rising <risingth> falling <fallingth> interval <seconds>

## Syntax Description

cpu	CPU resource
threshold	Threshold settings
rising	Rising threshold setting
<i>risingth</i>	Rising threshold in percentage
falling	Falling threshold setting
<i>fallingth</i>	Falling threshold in percentage
interval	Observation interval setting
<i>seconds</i>	Observation interval in seconds

## Command Mode

- /exec/configure/onep

# crypto ca authenticate

[no] crypto ca authenticate <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
authenticate	Authenticate the certificate authority certificate
s0	trustpoint label

## Command Mode

- /exec/configure

# crypto ca crl request

[no] crypto ca crl request <s0> <uri0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
crl	import certificate revocation list
request	import certificate revocation list
s0	trustpoint label
uri0	Specify source file name

## Command Mode

- /exec/configure

# crypto ca enroll

[no] crypto ca enroll <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
enroll	Create certificate request
s0	trustpoint label

## Command Mode

- /exec/configure

# crypto ca export pkcs12

[no] crypto ca export <s0> pkcs12 <uri0> <s1>

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
export	export rsa private key and certificates in pkcs#12
s0	trustpoint label
pkcs12	destination file url
uri0	Specify destination file name
s1	passphrase to encrypt the private key

## Command Mode

- /exec/configure

# crypto ca import certificate

[no] crypto ca import <s0> certificate

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
import	import the certificate or key
s0	trustpoint label
certificate	import the certificate

## Command Mode

- /exec/configure



# crypto ca import pkcs12

crypto ca import <s0> pkcs12 <uri0> <s1>

## Syntax Description

crypto	Set crypto settings
ca	Configure certificate authority related information
import	import the certificate or key
<i>s0</i>	trustpoint label
pkcs12	source file url
<i>uri0</i>	source file url
<i>s1</i>	passphrase to decrypt the private key

## Command Mode

- /exec/configure

# crypto ca lookup

[no] crypto ca lookup { remote | local | both }

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
lookup	Choose the certstore for authentication
remote	Use remote certstore
local	Use local certstore
both	Use both local and remote certstore

## Command Mode

- /exec/configure

# crypto ca remote ldap

[no] crypto ca remote ldap { server-group <s0> | [ crl-refresh-time <i0> ] }

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
remote	Use ca from remote certstore
ldap	Ldap certstore
crl-refresh-time	(Optional) Configure refresh-time to fetch crl from remote certstore
<i>i0</i>	(Optional) Refresh time value in hours. A value of 0 will now run the refresh routine once.
server-group	Ldap server group
<i>s0</i>	Ldap server group name

## Command Mode

- /exec/configure

# crypto ca test verify

[no] crypto ca test verify <uri0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
test	certificate tests
verify	verify the certificate
<i>uri0</i>	Specify certificate file name

## Command Mode

- /exec/configure

# crypto ca trustpoint

[no] crypto ca trustpoint <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
trustpoint	Configure trustpoint certificate authority
s0	trustpoint label

## Command Mode

- /exec/configure

## crypto cert ssh-authorize

[no] crypto cert ssh-authorize [ <s0> map <s1> [ <s2> ] | default map <s3> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Configure crypto settings
cert	Configure certificate mapping filter settings
ssh-authorize	Configure mapping filter for ssh
s0	(Optional) Issuer name of the certificate
map	(Optional) Mapping filter to be applied
s1	(Optional) Name of the mapping filter which is already configured
s2	(Optional) Name of the mapping filter which is already configured
default	(Optional) Default map for ssh authorization
s3	(Optional) Name of the default mapping filter which is already configured

### Command Mode

- /exec/configure

# crypto certificatemap mapname

[no] crypto certificatemap mapname <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
certificatemap	Configure certificatemap filters
mapname	Create a new filter map
s0	Name of the filter map

## Command Mode

- /exec/configure

## crypto key generate rsa

```
[no] crypto key generate rsa [ { [ exportable ] [ modulus <i0> ] | [ label <s0> ] | [ [ exportable ] [ modulus1 <i1> ] ] | modulus2 <i2> } ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
key	Configure key pair related information
generate	Configure key pair generation related information
rsa	Configure rsa key pair generation related information
exportable	(Optional) key-pair is exportable
modulus	(Optional) key-pair size
<i>i0</i>	(Optional) key-pair size
label	(Optional) key-pair label
<i>s0</i>	(Optional) key-pair label
exportable	(Optional) key-pair is exportable
modulus1	(Optional) key-pair size
<i>i1</i>	(Optional) key-pair size
modulus2	(Optional) key-pair size
<i>i2</i>	(Optional) key-pair size

### Command Mode

- /exec/configure



# crypto key param rsa label modulus

[no] crypto key param rsa label <s0> modulus <i0> [ exportable ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
key	Configure key pair related information
param	Configure key pair related information
rsa	Configure rsa key pair related information
label	key-pair label
<i>s0</i>	key-pair label
modulus	key-pair size
<i>i0</i>	key-pair size
exportable	(Optional) key-pair is exportable

## Command Mode

- /exec/configure

# crypto key zeroize rsa

[no] crypto key zeroize rsa <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
key	Configure key pair related information
zeroize	Delete key-pair
rsa	Delete rsa key-pair
s0	key-pair label

## Command Mode

- /exec/configure

# cryptographic-algorithm

[no] cryptographic-algorithm <algo>

## Syntax Description

no	(Optional) Negate a command or set its defaults
cryptographic-algorithm	Set cryptographic-algorithm to be used
<i>algo</i>	Cryptographic-algorithm

## Command Mode

- /exec/configure/keychain-key

# cts cache enable

[no] cts cache enable

## Syntax Description

cts	Config commands for CTS
cache	Enable Caching of Authentication, Authorization
enable	Enable

## Command Mode

- /exec/configure

## cts device-id password

```
cts device-id <device-id> password { <passwd> | 7 <encrypted_passwd> }
```

### Syntax Description

cts	Config commands for CTS
device-id	device-id used during EAP FAST
<i>device-id</i>	name
password	password used during EAP FAST
<i>passwd</i>	clear text password
7	Enter encrypted password used during EAP FAST
<i>encrypted_passwd</i>	encrypted password

### Command Mode

- /exec/configure

# cts dot1x

[no] cts dot1x

## Syntax Description

cts	Config commands for CTS
dot1x	use 802.1X for authentication and policy

## Command Mode

- /exec/configure/if-eth-base /exec/configure/if-switching

# cts enable

[no] cts enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
cts	Config commands for CTS
enable	Enable/Disable CTS

## Command Mode

- /exec/configure

# cts l3

{ no cts l3 } | { cts l3 spi <spi> }

## Syntax Description

cts	Config commands for CTS
l3	Configure L3 CTS parameters
spi	Configure L3 CTS SPI
<i>spi</i>	L3 CTS SPI

## Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching



## cts l3 spi

```
{ no cts l3 spi <ip_prefix> } | { cts l3 spi <spi> { { esp-key <key> } | <ip_prefix> } }
```

### Syntax Description

cts	Config commands for CTS
l3	Configure L3 CTS parameters
spi	Configure L3 CTS SPI
<i>spi</i>	L3 CTS SPI
esp-key	Configure ESP key for L3 CTS SPI
<i>key</i>	32 byte value specified as a string
<i>ip_prefix</i>	Subnet using this SPI

### Command Mode

- /exec/configure

# cts manual

[no] cts manual

## Syntax Description

cts	Config commands for CTS
manual	supply local configuration for cts parameters

## Command Mode

- /exec/configure/if-eth-base /exec/configure/if-switching

# cts refresh role-based-policy

cts refresh role-based-policy

## Syntax Description

cts	Execute CTS related commands
refresh	Refresh CTS policies
role-based-policy	Refresh CTS role-based policies

## Command Mode

- /exec

# cts rekey

cts rekey <if>

## Syntax Description

cts	Execute CTS related commands
rekey	Perform rekey on a particular interface
<i>if</i>	Rekey interface

## Command Mode

- /exec

## cts role-based access-list

[no] cts role-based access-list <list\_name>

### Syntax Description

cts	Config commands for CTS
role-based	Configure RBACL policies
access-list	Create RBACL list
<i>list_name</i>	Name of RBACL List

### Command Mode

- /exec/configure

## cts role-based counters enable

[no] cts role-based counters enable

### Syntax Description

cts	Config commands for CTS
role-based	Configure RBACL policies
counters	RBACL policy counters
enable	Enable counters per RBACL policy

### Command Mode

- /exec/configure

# cts role-based enforcement

[no] cts role-based enforcement

## Syntax Description

cts	Config commands for CTS
role-based	Configure RBACL policies
enforcement	Enable RBACL enforcement for this VLAN

## Command Mode

- /exec/configure/vlan

## cts role-based enforcement

[no] cts role-based enforcement

### Syntax Description

cts	Config commands for CTS
role-based	Configure RBACL policies
enforcement	Enable RBACL enforcement for this VRF

### Command Mode

- /exec/configure/vrf



# cts role-based enforcement

[no] cts role-based enforcement

## Syntax Description

cts	Config commands for CTS
role-based	Configure RBACL policies
enforcement	Enable RBACL enforcement

## Command Mode

- /exec/configure

## cts role-based sgt-map

```
{ no cts role-based sgt-map <ip-addr> } | { cts role-based sgt-map <ip-addr> <sgt> }
```

### Syntax Description

<i>cts</i>	Config commands for CTS
<i>role-based</i>	Configure RBACL policies
<i>sgt-map</i>	Configure IP Address to SGT mapping
<i>ip-addr</i>	IP Address in format A.B.C.D
<i>sgt</i>	SGT corresponding to the IP Address

### Command Mode

- /exec/configure/vlan

## cts role-based sgt-map

```
{ no cts role-based sgt-map <ip-addr> } | { cts role-based sgt-map <ip-addr> <sgt> }
```

### Syntax Description

<i>cts</i>	Config commands for CTS
<i>role-based</i>	Configure RBACL policies
<i>sgt-map</i>	Configure IP Address to SGT mapping
<i>ip-addr</i>	IP Address in format A.B.C.D
<i>sgt</i>	SGT corresponding to the IP Address

### Command Mode

- /exec/configure/vrf /exec/configure

# cts role-based sgt dgt access-list cts role-based sgt dgt access-list

```
cts role-based sgt { <sgt> | <sgt_unknown> } dgt { <dgt> | <dgt_unknown> } access-list <list_name> | cts
role-based sgt <sgt_any> dgt <dgt_any> access-list <list_name> | no cts role-based sgt { <sgt> | <sgt_unknown>
| <sgt_any> } dgt { <dgt> | <dgt_unknown> | <dgt_any> }
```

## Syntax Description

cts	Config commands for CTS
role-based	Configure RBACL policies
sgt	Source Group Tag
<i>sgt</i>	sgt value
sgt_unknown	Apply RBACL to packets for unknown SGT
dgt_unknown	Apply RBACL to packets for unknown DGT
sgt_any	Apply RBACL to all packets
dgt_any	Apply RBACL to all packets
dgt	Destination Group Tag
<i>dgt</i>	dgt value
access-list	Configure RBACL list for SGT/DGT pair
<i>list_name</i>	Name of RBACL List
<i>list_name</i>	

## Command Mode

- /exec/configure

# cts sgt

cts sgt <sgt> | no cts sgt

## Syntax Description

cts	Config commands for CTS
sgt	SGT tag for pkts from this device
<i>sgt</i>	sgt value

## Command Mode

- /exec/configure

## cts sxp connection peer password required 7 default

```
{ { [ no ] cts sxp connection peer <peer_ipaddress> [ source <source_ipaddress> ] password { required {
<password> | 7 <encrypted-password> } | default | none } mode { speaker | listener } } } { no cts sxp connection
peer <peer_ipaddress> } } [ vrf <vrf_name> ]
```

### Syntax Description

cts	Config commands for CTS
sxp	Supply configuration for SXP parameters
connection	configuration for SXP connection
peer	configuration for peer
<i>peer_ipaddress</i>	IP Address in format A.B.C.D
source	(Optional) Source IP address configuration
<i>source_ipaddress</i>	(Optional) IP Address in format A.B.C.D
password	SXP password configuration
required	Provide the password to be used with the SXP peer
<i>password</i>	Password for SXP peer
7	Provide encrypted password for SXP Peer
<i>encrypted-password</i>	Encrypted password for SXP Peer
default	Use default password
none	Dont use any password
mode	SXP mode
speaker	SXP speaker
listener	SXP listener
vrf	(Optional) Configure VRF of the peer
<i>vrf_name</i>	(Optional) VRF of the peer

### Command Mode

- /exec/configure

## cts sxp default password 7

```
{ cts sxp default password { <password> | 7 <encrypted_password> } } | { no cts sxp default password }
```

### Syntax Description

cts	Config commands for CTS
sxp	Supply configuration for SXP parameters
default	Default SXP password
password	SXP password
<i>password</i>	SXP password
7	Provide encrypted default SXP password
<i>encrypted_password</i>	Encrypted default SXP password

### Command Mode

- /exec/configure

## cts sxp default source-ip

```
{ cts sxp default source-ip <source_ipaddress> } | { no cts sxp default source-ip }
```

### Syntax Description

cts	Config commands for CTS
sxp	Supply configuration for SXP parameters
default	Default SXP Source IP address
source-ip	Source IP Address
<i>source_ipaddress</i>	IP Address in format A.B.C.D

### Command Mode

- /exec/configure



# cts sxp enable

[no] cts sxp enable

## Syntax Description

cts	Config commands for CTS
sxp	Supply configuration for SXP parameters
enable	Enable SXP

## Command Mode

- /exec/configure

# cts sxp reconcile-period

{ no cts sxp reconcile-period } | { cts sxp reconcile-period <timer\_value> }

## Syntax Description

cts	Config commands for CTS
sxp	Supply configuration for SXP parameters
reconcile-period	Configure reconcile timer period for SXP
<i>timer_value</i>	Reconcile timer period for SXP (default value: 120)

## Command Mode

- /exec/configure

## cts sxp retry-period

{ no cts sxp retry-period } | { cts sxp retry-period <timer\_value> }

### Syntax Description

cts	Config commands for CTS
sxp	Supply configuration for SXP parameters
retry-period	Configure retry period for SXP
<i>timer_value</i>	Retry period for SXP (default value: 60)

### Command Mode

- /exec/configure

# customer-id

{ customer-id <s0> | no customer-id }

## Syntax Description

no	Negate a command or set its defaults
customer-id	customer id
s0	Provide customer id (as specified in the service agreement)

## Command Mode

- /exec/configure/callhome

# cut

| cut { -b <bytes> | -c <chars> | -f <fields> | -d <delim> | -s | --help } +

## Syntax Description

	Pipe command output to filter
cut	Print selected parts of lines.
-b	output only these bytes
-c	output only these characters
-d	specify other field delimiter (default is TAB).
-f	output only these fields also print any line that contains no delimiter character, unless the -s option is specified
-s	do not print lines not containing delimiters
<i>bytes</i>	{n n-n m -m} N-th byte, N to end of line, N to M, start of line to N
<i>chars</i>	{n n-n m -m} N-th char, N to end of line, N to M, start of line to N
<i>fields</i>	{n n-n m -m} N-th field, N to end of line, N to M, start of line to N
<i>delim</i>	field separator char, TAB is default, use ' ' for space
--help	print help of underlying unix command

## Command Mode

- /output

