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# callhome

callhome

## Syntax Description

---

### Syntax Description

callhome Enter the callhome configuration mode

---

## Command Mode

- /exec/configure

# callhome send configuration

callhome send configuration

## Syntax Description

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

---

### Syntax Description

---

callhome callhome commands

---

send send a command callhome message

---

diagnostic diagnostic command

---

## Command Mode

- /exec

# callhome send eem subject body

```
callhome send eem subject <s1> body <s2>
```

## Syntax Description

---

**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

---

<b>Syntax Description</b>	callhome	callhome commands
---------------------------	----------	-------------------

---

test	send a test callhome message
------	------------------------------

---

## Command Mode

- /exec

# callhome test inventory

callhome test inventory

## Syntax Description

---

### 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

---

### 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

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

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

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

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

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

<b>Syntax Description</b>	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

<b>Syntax Description</b>	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

---

### Syntax Description

---

cd Change current directory

---

*uri0* Enter the name of the directory

---

## Command Mode

- /exec

# cdp advertise v1

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

## Syntax Description

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

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

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

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

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

## Command Mode

- /exec/configure



# cdp timer

[no] cdp timer <i>

## Syntax Description

---

### Syntax Description

---

**no** (Optional) Negate a command or set its defaults

---

**cdp** Configure CDP parameters

---

~~**timer**~~ CDP refresh time interval (in seconds)

---

**il** 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

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

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

<b>Syntax Description</b>	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

---

### Syntax Description

---

**n** Negate a command or set its defaults

---

**e** ETH configurations

---

**c** Configure CFS Ethernet COS value

---

*i0* COS Value Range

---

## Command Mode

- /exec/configure

# cfs eth distribute

[no] cfs eth distribute

## Syntax Description

<b>Syntax Description</b>	no	(Optional) Negate a command or set its defaults
	eth	ETH configurations
	distribute	Enable CFS distribution over Ethernet

## Command Mode

- /exec/configure

## cfs internal

cfs internal { decrement-uncoord <i0> | decrement-unrestricted <i1> | increment-uncoord <i2> | increment-unrestricted <i3> | lock <i4> | unlock <i5> | latency-log-on | latency-log-off }

### Syntax Description

Syntax Description		
cfs		CFS parameters
internal		CFs internal database modification
decrement-uncoord		Decrement the number of uncoord distributions for the sap
<i>i0</i>		SAP of the application to be locked
decrement-unrestricted		Decrement the number of unrestricted distributions for the sap
<i>i1</i>		SAP of the application to be locked
increment-uncoord		Increment the number of uncoord distributions for the sap
<i>i2</i>		SAP of the application to be locked
increment-unrestricted		Increment the number of unrestricted distributions for the sap
<i>i3</i>		SAP of the application to be locked
lock		Lock and application instance.
<i>i4</i>		SAP of the application to be locked
unlock		UnLock a application instance.
<i>i5</i>		SAP of the application to be unlocked
latency-log-on		Enable latency logs
latency-log-off		Disable latency logs

### Command Mode

- /exec

## cfs internal cfsoe

```
cfs internal cfsoe { sap <i0> { lmi <i1> | ami <i2> | emi <i3> | reorder <i4> | send_ack <i5> | drop_packet
<i6> | iod_register <i7> } | reset { all | reassembly_q } }
```

### Syntax Description

Syntax Description		
cfs	CFS parameters	
internal	CFs internal database modification	
cfsoe	CFSOE IoD internal values	
sap	SAP Number	
<i>i0</i>	SAP Number	
lmi	Least msg-id value	
<i>i1</i>	Msg-id value	
ami	Application msg-id value	
<i>i2</i>	Msg-id value	
emi	Least msg-id value	
<i>i3</i>	Msg-id value	
reorder	Reorder Set/Unset	
<i>i4</i>	Set(1)/Unset(0)	
send_ack	Send/Dont Send Ack	
<i>i5</i>	Set(1)/Unset(0)	
drop_packet	Drop/Dont Drop Packet	
<i>i6</i>	Set(1)/Unset(0)	
iod_register	Register app for IOD	
<i>i7</i>	Set(1)/Unset(0)	
reset	Reset globally	
all	All values	
reassembly_q	Set Reassembly Queue count to zero	

### Command Mode

- /exec



# cfs ipv4 distribute

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

## Syntax Description

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 <ipv6> }
```

## Syntax Description

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

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

---

### Syntax Description

---

no (Optional) Negate a command or set its defaults

---

region Regions to limit the distribution scope of application(s)

---

i0 Region Id

---

## Command Mode

- /exec/configure

# change-password

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

## Syntax Description

---

**Syntax Description**

---

change-password Change your password

---

old-password (Optional) Current password for the user

---

*s1* (Optional) Current password for the user (clear text)

---

new-password (Optional) New password for the user

---

*s2* (Optional) New password for the user (clear text)

---

## Command Mode

- /exec

# checkpoint

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

## Syntax Description

### Syntax Description

`checkpoint` Create configuration rollback checkpoint

*name* (Optional) Checkpoint name

`file` Create configuration rollback checkpoint to file

*file\_uri* Checkpoint file path

`description` (Optional) checkpoint description for the given checkpoint

*descr\_str* (Optional) checkpoint description(can include spaces)

## Command Mode

- /exec

# checkpoint

[no] checkpoint <chkpoint\_name>

## Syntax Description

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

---

**Syntax Description**

---

cipher-suite    Configure Cipher Suite

---

*suite*         Cipher Suite options

---

## Command Mode

- /exec/configure/masec-policy



# class-map

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

## Syntax Description

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

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

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> ] { <cmap-name-plc> | { handle <ppf_id> } } [ sequence <seq_no> ] [ client <clienttype> <clientID> ]
```

### Syntax Description

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>cmap-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 <omap-enum-name> | <omap-dce-name> | zzz
<omap-name-hque> }
```

## Syntax Description

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>omap-enum-name</i>		
xxx	xxx	
zzz	zzz	
<i>omap-dce-name</i>	Queuing class-map name	
<i>omap-name-hque</i>	Hierarchical class-map name	

## Command Mode

- /exec/configure

## class-map type queuing

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

### Syntax Description

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>omap-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

### 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

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

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

---

### 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

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

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

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		Handle 1
<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 <cmap-enum-name> | <cmap-dce-name> | zzz <cmap-name-hque> } [
insert-before type queuingl yyy <xcmap-enum-name> ]
```

## Syntax Description

### 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>cmap-enum-name</i>	
<i>cmap-dce-name</i>	Queuing class-map name
<i>cmap-name-hque</i>	Hierarchical class-map name
insert-before	(Optional) Insert this class before another class
queuingl	(Optional) Insert before Queuing class
<i>xcmap-enum-name</i>	(Optional)

## Command Mode

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

# clean ip bfd

clean ip bfd

## Syntax Description

---

### 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

---

### Syntax Description

---

**clean** Clean internal datastructures

---

**ipv6** IPV6 related information

---

**bfd** clean ip bfd datastructures

---

## 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

### 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

### 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

```
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

### 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 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

### 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 aaa local user blocked username

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

## Syntax Description

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

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

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

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

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

---

### 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

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

---

### 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

---

**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

---

### 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

---

### 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

---

### 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

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

---

### 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

---

### 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

---

### 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

---

### 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

---

### 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

---

### 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

---

### 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

---

### 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

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

---

### 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

---

### 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

---

### 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

#### 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

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

### Command Mode

- /exec

## clear bgp event-history

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

### Syntax Description

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

#### 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

---

### 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

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

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

---

### 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

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

---

### Syntax Description

---

clear    Reset functions

---

copp    Clear policy information for copp

---

statistics    Clear statistics

---

## Command Mode

- /exec



# clear cores

clear cores

## Syntax Description

---

### 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

---

### 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

---

### 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

### 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
<i>__readonly__</i>	(Optional) Read Only
<i>clear_valid</i>	(Optional) Clear

## Command Mode

- /exec

# clear counters interface

clear counters interface <ifindex>

## Syntax Description

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

## Command Mode

- /exec

# clear counters interface all

clear counters interface all

## Syntax Description

---

### 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

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

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 debug-logfile

clear debug-logfile <s0>

## Syntax Description

Syntax Description		
clear		Reset functions
debug-logfile		Remove the debug logfile
s0		Provide name of the file

## Command Mode

- /exec

# clear debug logfile

clear debug logfile <s0>

## Syntax Description

---

### Syntax Description

---

clear Reset functions

---

debug Debugging functions

---

logfile Remove the debug  
logfile

---

s0 Provide name of the file

---

## Command Mode

- /exec

# clear dot1x all

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

## Syntax Description

<b>Syntax Description</b>	<i>clear</i> Reset functions
	<i>dot1x</i> dot1x configuration commands
	<i>all</i> 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

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

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

#### 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 internal adjacency

clear evb internal adjacency

## Syntax Description

Syntax Description		
clear	Reset functions	
evb	EVB (Edge Virtual Bridge)	
internal	Clear EVB internal information	
adjacency	Clear EVB adjacency state	

## Command Mode

- /exec

# clear evb internal event-history

```
clear evb internal event-history { all | <evt-hist-subsystem> }
```

## Syntax Description

Syntax Description		
clear		Reset functions
evb		Clear EVB information
internal		Clear EVB internal information
event-history		Clear EVB event history buffers
all		All EVB logs
<i>evt-hist-subsystem</i>		EVB event history buffers

## Command Mode

- /exec



# clear evb statistics

clear evb statistics

## Syntax Description

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

#### 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

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

### 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

<b>Syntax Description</b>	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

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

#### 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

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 fc2

clear fc2 [ counters ]

## Syntax Description

---

### Syntax Description

---

clear    Reset functions

---

fc2      Clear FC2 Port Counters

---

counters (Optional) Clear All FC2/FCoE Port Counters

---

## Command Mode

- /exec

# clear flow exporter

clear flow exporter [ name ] <exportername>

## Syntax Description

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

### 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 mpls stats

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

### Syntax Description

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

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 internal message counts

clear forwarding internal message counts [ module <module> ]

### Syntax Description

Syntax Description		
clear	clear	
forwarding	display fib information	
internal	internal information	
message	display internal message counts	
counts	display internal message counts	
module	(Optional) slot	
<i>module</i>	(Optional) slot number	

### Command Mode

- /exec

# clear forwarding internal unicast counts

```
clear forwarding internal unicast counts [ vdc { <vdc_id> | all } ] [ module <module> ] [ __readonly__
<err-str><count> ]
```

## Syntax Description

### Syntax Description

clear	
forwarding	display fib information
internal	internal information
unicast	unicast counters
counts	display counts
module	(Optional) slot
<i>module</i>	(Optional) slot number
vdc	(Optional) vdc id
<i>vdc_id</i>	(Optional) vdc id
all	(Optional) all VDCs active on the module
<i>__readonly__</i>	(Optional)

## 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

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 adjacency mpls stats

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

### Syntax Description

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 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

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 l2mcast info statistics

clear forwarding l2mcast info statistics [ module <num> ]

## Syntax Description

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

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

## Command Mode

- /exec

# clear forwarding mpls drop-stats

clear forwarding mpls drop-stats

## Syntax Description

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

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

<b>Syntax Description</b>	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

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

<b>Syntax Description</b>	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

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 trace ecmp-history

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

## Syntax Description

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

### 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

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

### 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

---

### 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

---

### 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

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

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

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

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

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 internal fabric interface-all asic counters

clear hardware internal fabric interface-all asic counters [ module <module> ]

## Syntax Description

Syntax Description		
clear	Reset functions	
hardware	Show hardware information	
internal	Show hardware internal information	
fabric	clear fabric interface counters	
interface-all	Clear counters for fabric interfaces	
asic	Clear interface asic counters	
counters	Clear interface counters	
module	(Optional) Limit clear to single module	
<i>module</i>	(Optional) Slot/module number	

## Command Mode

- /exec



# clear hardware internal forwarding adjacency statistics default-route

clear hardware internal forwarding adjacency statistics default-route [ module <module> ]

## Syntax Description

Syntax Description		
clear	Show running system information	
hardware	SHOW_HW_HELP	
internal	SHOW_HW_INT_HELP	
forwarding	Show hardware information for forwarding Asic	
adjacency	display adjacency utilization	
statistics	Show hardware statistics	
default-route	Show for adjacency of default route	
module	(Optional) slot	
<i>module</i>	(Optional) Slot/module number	

## Command Mode

- /exec

# clear hardware internal forwarding l3 counters

clear hardware internal forwarding l3 counters [ module <module> ]

## Syntax Description

Syntax Description		
clear	clear	clear running system information
hardware	clear	hardware usage settings
internal	SHOW_HW_INT_HELP	
forwarding	clear	forwarding related settings
l3	Layer-3	
counters	clear	Layer-3 Counters
module	(Optional)	Slot/module
<i>module</i>	(Optional)	Slot/module number

## Command Mode

- /exec

# clear hardware internal interface-all asic counters

clear hardware internal interface-all asic counters [ module <module> ]

## Syntax Description

Syntax Description	
clear	Reset functions
hardware	Show hardware information
internal	Show hardware internal information
interface-all	Clear counters for front panel interfaces
asic	Clear interface asic counters
counters	Clear interface counters
module	(Optional) Limit clear to single module
<i>module</i>	(Optional) Slot/module number

## Command Mode

- /exec

# clear hardware internal ns interrupts

clear hardware internal ns interrupts

## Syntax Description

---

### Syntax Description

---

clear    Reset functions

---

hardware    Clear hardware information

---

internal    Clear hardware internal information

---

ns          Northstar

---

interrupts    Interrupts

---

## 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

### 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

---

*module* (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

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

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

<b>Syntax Description</b>	<b>clear</b>	Reset functions
	<b>icmpv6</b>	ICMPv6 Commands
	<b>cache</b>	Clear icmpv6 cache
	<b>interface</b>	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

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

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

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

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

## Command Mode

- /exec

# clear ip adjacency cache

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

## Syntax Description

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

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

---

### 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

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

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

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 controller-statistics

clear ip arp controller-statistics

## Syntax Description

Syntax Description		
	clear	Reset functions
	ip	Display IP information
	arp	Display ARP table and statistics
	controller-statistics	Controller statistics

## 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 | dme-event | all } [ dump-to-file ]

## Syntax Description

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
	dme-event	ARP DME event 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

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

---

**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

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

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

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

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

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

---

**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

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

### 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

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

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

---

### 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

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

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

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

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

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

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

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

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

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

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

### 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

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

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 internal mrib-cache

```
clear ip igmp internal mrib-cache [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

Syntax Description		
clear		Reset functions
ip		Clear IP commands
igmp		Clear IGMP related information
internal		Commands for internal use
mrib-cache		clear this vrf mrib-cache and repopulate
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 igmp snooping event-history

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

### Syntax Description

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

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

## Syntax Description

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
all		Clear for all vlans/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

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

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

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
vlan		(Optional) Specify VLAN

### Command Mode

- /exec

# clear ip igmp snooping statistics

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

## Syntax Description

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

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

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 internal event-history

```
clear ip internal event-history { errors | log | ipc | snmp | ha | ppf | cli | vrf-errors | arp-miss | static-rt | pkt-buffer
| all } [ dump-to-file ]
```

## Syntax Description

### Syntax Description

clear	Reset functions
ip	CLEAR_IP_HELP
internal	Commands for internal use
event-history	Clear various event logs of IP
errors	Clear error logs of IP
log	Clear syslog message of IP
ipc	Clear ipc debug message of IP
snmp	Clear snmp debug message of IP
ha	Clear ha debug message of IP
ppf	Clear ppf debug message of IP
cli	Clear cli interaction debug messages for IP
vrf-errors	Clear vrf related errors
arp-miss	Clear arp miss debug message of IP
static-rt	Clear ip static routing event buffer
pkt-buffer	Clear ip packet buffer event history
all	All event history buffers
dump-to-file	(Optional) Dump the IP event history logs into the file

## Command Mode

- /exec

# clear ip lisp data-cache

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

## Syntax Description

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

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

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 [ <ipv6-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

#### 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

- /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 [ <ip6-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

#### 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



---

*regexp-str* (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

#### 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 msdp event-history

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

## Syntax Description

---

**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

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

#### 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

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

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

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

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 | objstore | all ]

## Syntax Description

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
objstore		(Optional) DME OBJSTORE 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

Syntax Description		
clear		Reset functions
ip		IP events
ospf		Debug OSPF events
tag		(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

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 internal interface-cache

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

## Syntax Description

### Syntax Description

clear	Reset functions
ip	IP events
ospf	Debug OSPF events
<i>tag</i>	(Optional) Process tag
internal	Commands for internal use
interface-cache	Interface-cache
<i>interface</i>	(Optional) Interface to clear the interface cache on
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 ospf neighbor

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

## Syntax Description

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

#### 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

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

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

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

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

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

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

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

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

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

#### 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

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 rsvp authentication

clear ip rsvp authentication [ <nbr-addr> ]

## Syntax Description

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

---

**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

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 internal counters

clear ip rsvp internal counters [ error | client | mts | pss | refresh | reliable | batch-history ]

## Syntax Description

### Syntax Description

clear	Reset functions
ip	Clear IP commands
rsvp	Clear RSVP information
internal	Clear RSVP internal information
counters	Clear RSVP statistics
error	(Optional) Clear signaling error information
client	(Optional) Clear client information
mts	(Optional) Clear message service information
pss	(Optional) Clear persistent store information
refresh	(Optional) Clear refresh information
reliable	(Optional) Clear reliable message information
batch-history	(Optional) Clear batching history

## 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

### 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

### 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

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

---

### 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

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

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

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

---

**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

Syntax Description		
clear		AMT clear commands
amt		AMT show commands
ipv6		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>port</i>		(Optional) UDP port number of gateway

## Command Mode

- /exec

# clear ipv6 cache

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

## Syntax Description

---

### 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

#### 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

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

### 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 internal event-history

```
clear ipv6 icmp internal event-history { errors | icmpv6-internal | nd | mld { debugs | events } | ha | sync-event
| ipv6-sync-event | vrf | cli | all } [ dump-to-file ]
```

### Syntax Description

#### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
icmp	Clear ICMPv6 information
internal	Commands for internal use
event-history	various event logs of ICMPV6
errors	error logs ICMPV6
icmpv6-internal	internal debug events of ICMPV6
nd	ICMPV6 ND debugs
mld	ICMPV6 MLD Information
events	ICMPV6 MLD non-periodic events
debugs	ICMPV6 MLD debug messages
ha	ICMPV6 debugs for HA events
sync-event	ICMPV6 debugs for CFS and MCECM related events
ipv6-sync-event	ICMPV6 debugs for CFS and MCECM related events for L3
vrf	ICMPV6 VRF related events
cli	ICMPV6 CLI related events
all	All event history buffers
dump-to-file	(Optional) Dump the ICMPV6 event history logs into the file

### Command Mode

- /exec

# clear ipv6 icmp vpc-statistics

clear ipv6 icmp vpc-statistics

## Syntax Description

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

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 internal event-history

clear ipv6 internal event-history { errors | log | ipc | snmp | ha | sdb | bfd | all } [ dump-to-file ]

### Syntax Description

#### Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
internal	Commands for internal use
event-history	Clear various event logs of IPV6
errors	Clear error logs of IPV6
log	Clear syslog message of IPV6
ipc	Clear ipc debug message of IPV6
snmp	Clear snmp debug message of IPV6
ha	Clear ha debug message of IPV6
sdb	Clear sdb debug message buffer size of IPV6
bfd	clear bfd debug messages for IPV6
all	All event history buffers
dump-to-file	(Optional) Dump the IPv6 event history logs into the file

### Command Mode

- /exec

# clear ipv6 lisp data-cache

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

## Syntax Description

Syntax Description		
clear		Reset functions
ipv6		Clear IPv6 commands
lisp		LISP clear commands
data-cache		Clear EID-to-RLOC data cache mapping in this ITR
<i>eid6</i>		(Optional) Clear mapping for IPv6 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 ipv6 lisp statistics

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

## Syntax Description

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

### 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 mtu

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

## Syntax Description

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

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

### 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

### 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

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

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

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

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 rguard statistics

clear ipv6 rguard statistics

## Syntax Description

Syntax Description	
clear	Reset functions
ipv6	IPv6
rguard	IPV6 rguard
statistics	RA packet drop count

## 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

#### 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)
<i>as</i>	Autonomous system number
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
isis	Intermediate-to-intermediate (ISIS)
ospfv3	Open Shortest Path First (OSPFv3)
<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 ipv6 statistics

clear ipv6 statistics

## Syntax Description

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

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

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

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

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 internal packet queue counters

clear isis [ <isis-tag> ] internal packet queue counters

## Syntax Description

Syntax Description	
clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
internal	Commands for internal use
packet	Packet counters
queue	Packet queue counters
counters	Clear packet queue max counters

## 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 } } | { distribute
<src-level> into <dst-level> } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

#### 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
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

---

*dst-level*      Route-distribution between levels

---

**Command Mode**

- /exec

# clear isis redistribution

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

## Syntax Description

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 } } | { distribute
<src-level> into <dst-level> } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

### Syntax Description

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
distribute		Distribute routes between ISIS levels
into		from level-n into level-m
<i>src-level</i>		Route-distribution between levels



---

*dst-level*      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

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

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

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

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

## Command Mode

- /exec

# clear itd statistics

```
clear itd statistics <service-name>
```

## Syntax Description

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

---

### Syntax Description

---

`clear`    Reset functions

---

`keystore`    Clear all records in the keystore

---

`sksd`    Clear all records in the keystore/sksd-chip

---

*index*    (Optional) Clear secret at index <index>

---

*name*    (Optional) Clear secret with name <name>

---

## Command Mode

- /exec

# clear l2fwder statistics

clear l2fwder statistics

## Syntax Description

---

### 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

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

---

**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

#### 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
<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_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

---

### 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

---

### 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

---

### 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

#### 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

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 internal event-history

clear lisp internal event-history <lisp-event-hist>

## Syntax Description

Syntax Description		
clear		Reset functions
lisp		LISP clear commands
internal		Commands for internal use
event-history		Clear LISP event log
<i>lisp-event-hist</i>		Clear LISP event log

## Command Mode

- /exec

# clear lisp proxy-itr

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

## Syntax Description

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

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

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

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 logfile

clear logging logfile

## Syntax Description

<b>Syntax Description</b>	clear	Reset functions
	logging	Clear logging information
	logfile	Clear logfile messages

## Command Mode

- /exec

# clear logging nvram

clear logging nvram

## Syntax Description

---

### 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

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

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 session

clear logging session

## Syntax Description

<b>Syntax Description</b>	clear	Reset functions
	logging	Clear logging information
	session	Clear logging session

## Command Mode

- /exec

# clear login failures

clear login failures

## Syntax Description

---

### 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

#### 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 mmode database

clear mmode database

## Syntax Description

---

### 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

### Syntax Description

---

clear      Reset functions

---

mpls      MPLS events

---

forwarding      Clear MPLS software forwarded

---

statistics      Traffic statistics

---

interface      (Optional) Interface specific information

---

*interface*      (Optional) Interface chosen to clear statistics

---

all          (Optional) All interfaces

---

## Command Mode

- /exec

# clear mpls ldp internal counters

clear mpls ldp internal counters { all | system | forwarding }

## Syntax Description

### Syntax Description

clear	Reset functions
mpls	MPLS clear commands
ldp	Clear LDP state
internal	Clear LDP internal information
counters	Clear LDP statistics
all	Clear all LDP statistics
system	Clear LDP system statistics
forwarding	Clear LDP forwarding related statistics

## Command Mode

- /exec



# clear mpls ldp neighbor

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

## Syntax Description

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

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

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

---

**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

---

**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 internal counters

clear mpls traffic-eng internal counters { forwarding | mts | rsvp-client | threads }

## Syntax Description

### Syntax Description

counters	Clear internal counters
forwarding	Clear forwarding programming stats
mts	Clear MTS send and receive stats
rsvp-client	Clear rsvp client call stats
threads	Clear thread event stats
clear	Reset functions
mpls	MPLS clear commands
traffic-eng	Clear MPLS Traffic-Engineering statistical information
internal	Clear internal information

## Command Mode

- /exec

# clear mpls traffic-eng link-management counters

clear mpls traffic-eng link-management counters

## Syntax Description

<b>Syntax Description</b>	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

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

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

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

---

### Syntax Description

---

clear	Reset functions
-------	-----------------

---

ngoam	ngoam information
-------	-------------------

---

interface	probe packet interface
-----------	---------------------------

---

statistics	clear ngoam statistics
------------	------------------------

---

## Command Mode

- /exec

# clear ngoam

```
clear ngoam { loopback { { session { <ses-hdl> | all } } } | { statistics { summary | { session { <ses-hdl> | all } } } } | database [ session <ses-hdl> ] } [ force ] }
```

## Syntax Description

Syntax Description	
clear	Reset functions
ngoam	ngoam information
loopback	clear ngoam loopback
statistics	clear ngoam statistics
summary	clear ngoam statistics summary
database	clear ngoam database
session	clear ngoam information by session handle
<i>ses-hdl</i>	specify session handle
all	clear stats for all ping sessions
force	(Optional) Clear it, do not ask to confirm

## Command Mode

- /exec

# clear ngoam

```
clear ngoam { traceroute { { session { <handle> | all } } | { statistics { summary | { session { <handle> | all } } } } } [ force ] }
```

## Syntax Description

Syntax Description	
clear	Reset functions
ngoam	ngoam information
traceroute	clear ngoam traceroute
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 traceroute sessions
force	(Optional) Clear it, do not ask to confirm

## Command Mode

- /exec

# clear ngoam pathtrace

```
clear ngoam pathtrace { { statistics { summary | { session { <handle> | all } } } } | { database { session {
<handle> | all } } } } [ force ]
```

## Syntax Description

Syntax Description	
clear	Reset functions
ngoam	ngoam information
pathtrace	clear ngoam pathtrace
database	clear ngoam pathtrace database
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 pathtrace sessions
force	(Optional) Clear it, do not ask to confirm

## Command Mode

- /exec

# clear ntp session

clear ntp session

## Syntax Description

<b>Syntax Description</b>	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

---

**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 peers history-log

clear nve peers history-log

## Syntax Description

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

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

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

### 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

---

### Syntax Description

---

clear Reset  
functions

---

nvram purge  
NVRAM

---

### Command Mode

- /exec

# clear nxapi retries

clear nxapi retries

## Syntax Description

---

### Syntax Description

---

clear Reset functions

---

nxapi nxapi related  
functions

---

retries Clear retries bit

---

## Command Mode

- /exec

# clear onep error

clear onep error

## Syntax Description

---

### Syntax Description

---

**clr** Reset functions

---

**osp** One Platform

---

**enr** Clear the ONE-P error  
buffer

---

## Command Mode

- /exec

# clear onep history

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

## Syntax Description

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 internal api statistics

```
clear onep internal api statistics { session { all | <onep-session-id> } }
```

## Syntax Description

Syntax Description		
clear		Clear command
onep		ONE-P clear commands
internal		Internal commands
api		Thrift API calls
statistics		Clear internal ONE-P statistics
session		session
all		All current sessions
<i>onep-session-id</i>		Specific session

## Command Mode

- /exec

# clear onep session rate-limit

clear onep session rate-limit

## Syntax Description

---

### 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

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

---

### Syntax Description

---

**clear** Reset functions

---

**onep** One Platform

---

**trace** Clear the ONE-P trace  
buffer

---

## Command Mode

- /exec

# clear openflow internal counters

```
clear openflow internal counters { mts | plifnxos | arp [ interface <ifname> ] }
```

## Syntax Description

Syntax Description	
clear	Reset functions
openflow	Clear OpenFlow switch information
internal	Commands for internal use
counters	Clear internal counters
mts	Clear MTS send and receive stats
plifnxos	Clear counters for the L2RIB flow mods
arp	Clear ARP packet counters
interface	(Optional) Interface
<i>ifname</i>	(Optional) Interface name

## Command Mode

- /exec

# clear openflow internal pktflowdb

clear openflow internal pktflowdb

## Syntax Description

Syntax Description	
clear	Reset functions
openflow	Clear OpenFlow switch information
internal	Commands for internal use
pktflowdb	Clear internal pktflowdb

## Command Mode

- /exec

# clear openflow internal switch flows stats table-id

clear openflow internal switch <switch-id> flows stats table-id <table-id> [ interface <ifname> ]

## Syntax Description

Syntax Description	
clear	Reset functions
internal	Commands for internal use
openflow	Clear OpenFlow switch flows stats
switch	Logical switch id
<i>switch-id</i>	Logical switch-id
flows	Flows
stats	Clear packet count and bytes
table-id	Table-id for the pipeline
<i>table-id</i>	Table ID
interface	(Optional) Interface
<i>ifname</i>	(Optional) Interface name

## Command Mode

- /exec

# clear openflow switch controller all

clear openflow switch <switch-id> controller all

## Syntax Description

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

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

Syntax Description		
clear		Reset functions
ospfv3		Debugging functions
tag		(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

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

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 internal interface-cache

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

### Syntax Description

#### Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
internal	Commands for internal use
interface-cache	Interface-cache
<i>interface</i>	(Optional) Interface to clear the interface-cache on
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 ospfv3 neighbor

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

## Syntax Description

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

#### Syntax Description

clear	Reset functions
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
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
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)
as	Autonomous system number
static	Static
direct	Directly connected
amt	AMT anycast prefix
lisp	LISP EID-prefixes
area	Configure area properties
area-id-ip	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

---

*tag*

---

**Command Mode**

- /exec



# clear ospfv3 redistribution

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

## Syntax Description

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

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

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

---

**Syntax Description**

---

clear	Reset functions
-------	-----------------

---

otv	OTV events
-----	------------

---

arp-nd	Log ARP/ND caching
clear	

---

*l3\_addr* (Optional) L3 IP address

---

## Command Mode

- /exec

# clear otv internal event-history

clear otv internal event-history { event | learn | debug | arp-nd | packet | cli | delivery | fc | stp | all }

## Syntax Description

Syntax Description		
clear	Reset functions	
otv	OTV events	
internal	Display OTV internal information	
event-history	Clear the event history buffers	
event	OTV Event logs	
fc	OTV FC logs	
learn	OTV Learn logs	
debug	OTV Internal debug logs	
arp-nd	OTV arp-nd logs	
packet	OTV packet logs	
cli	CLI logs	
delivery	OTV Delivery logs	
stp	OTV STP logs	
all	All event history buffers	

## Command Mode

- /exec

## clear otv isis adjacency

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

### Syntax Description

#### 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

### 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 internal packet queue counters

clear otv isis [ <otv-isis-tag> ] internal packet queue counters

## Syntax Description

Syntax Description		
clear		Reset functions
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional)	Routing process tag
internal		Commands for internal use
packet		Packet counters
queue		Packet queue counters
counters		Clear packet queue max counters

## Command Mode

- /exec



# clear otv isis internal perf timer

```
clear otv isis [ <otv-isis-tag> ] internal perf timer
```

## Syntax Description

Syntax Description		
clear		Reset functions
otv		Display OTV information
isis		Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional)	Routing process tag
internal		Commands for internal use
perf		Performance
timer		Timer performance

## 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

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

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

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 pktmgr cache interface

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

## Syntax Description

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

---

**Syntax Description**

clear Reset functions

---

pktmgr Clear Packet Manager information

---

client Clear pktmgr clients counters

---

*uuid* (Optional) Clear pktmgr client counters for given uuid

---

## Command Mode

- /exec

# clear pktmgr interface

```
clear pktmgr interface [ <interface> ]
```

## Syntax Description

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

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

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

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

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

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

## Command Mode

- /exec

# clear processes log all

clear processes log all

## Syntax Description

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

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 vdc's	

## Command Mode

- /exec

# clear processes log archive

clear processes log archive [ file <s0> ]

## Syntax Description

---

### 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

---

### 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

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

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

---

**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

---

### 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

Syntax Description	
clear	Reset functions
policies	Clear default policies

## Command Mode

- /exec

# clear qos policies force

clear qos policies force

## Syntax Description

---

### 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

Syntax Description	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

### 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 interface

clear queuing pfc-queue interface <if\_list>

## Syntax Description

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

## Command Mode

- /exec

# clear queuing pfc-queue interface

clear queuing pfc-queue interface <if\_list>

## Syntax Description

---

**Syntax Description**

---

clear     Reset functions

---

queuing   clear queuing related  
          counters

---

pfc-queue clear watchdog timers

---

interface Interface

---

*if\_list*   List of interfaces

---

## Command Mode

- /exec

# clear queuing tah-pfc-queue

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

## Syntax Description

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

#### 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
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 radius session

clear radius session

## Syntax Description

---

### 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

---

**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

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

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

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 memstats

```
clear routing [ ip | ipv4 ] [ unicast ] memstats
```

## Syntax Description

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 rpm pss

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

## Syntax Description

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

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

## Command Mode

- /exec

# clear screen

clear screen

## Syntax Description

---

### Syntax Description

---

clear Reset  
functions

---

screen Clear screen

---

## Command Mode

- /exec

# clear session state name

clear session state name <s4>

## Syntax Description

---

### Syntax Description

---

clear Reset functions

---

session Reset cfg session internals

---

state Reset cfg session internal state

---

name Reset cfg 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

Syntax Description	
clear	Reset functions
sflow	sFlow global configuration
statistics	Clear sFlow statistics

## Command Mode

- /exec



# clear snmp counters

clear snmp counters

## Syntax Description

Syntax Description	
clear	Reset functions
snmp	Clear SNMP Tables
counters	Clear SNMP counters

## Command Mode

- /exec

# clear snmp hostconfig

clear snmp hostconfig

## Syntax Description

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

## Command Mode

- /exec

# clear sockets internal event-history

clear sockets internal event-history { errors | setup | ha | event | proto | log | all } [ dump-to-file ]

## Syntax Description

### Syntax Description

clear	Reset functions
sockets	Display sockets status and configuration
internal	Commands for internal use
event-history	various event logs of sockets
errors	Clear error logs of sockets
setup	Clear setup debug message buffer of sockets
ha	Clear ha debug message buffer of sockets
event	Clear events/pcb debug message of sockets
proto	Clear tcp/udp/raw ip debug message of sockets
log	Clear syslog message of sockets
all	Clear all event history buffers
dump-to-file	(Optional) Dump the sockets event history logs into the file

## Command Mode

- /exec

# clear sockets statistics

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

## Syntax Description

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

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

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

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

---

### Syntax Description

---

`clear` Reset functions

---

`ssh` Clear ssh values

---

`hosts` Clear the list of trusted ssh hosts

---

## Command Mode

- /exec



## clear system internal adjmgr event-history

```
clear system internal adjmgr event-history { control | errors | ipc | stats | ha | cli | sdb | snmp | nb | dme-event
| all } [ dump-to-file ]
```

### Syntax Description

#### Syntax Description

clear	Reset functions
system	System-related show commands
internal	Commands for internal use
adjmgr	AM information
event-history	various event logs of Adjmgr
control	Clear control logs of Adjmgr
errors	Clear error logs of Adjmgr
ipc	Clear ipc debug message logs of Adjmgr
stats	Clear stats debug message logs of Adjmgr
ha	Clear ha debug message logs of Adjmgr
cli	Clear cli related events of Adjmgr
sdb	Clear sdb debug message logs of Adjmgr
snmp	Clear snmp debug message logs of Adjmgr
nb	Clear netbroker debug message logs of Adjmgr
dme-event	Clear dme event logs of Adjmgr
all	Clear all event-history logs of Adjmgr
dump-to-file	(Optional) Dump the AdjMgr event history logs into the file

### Command Mode

- /exec

# clear system internal forwarding pd-history

clear system internal forwarding pd-history

## Syntax Description

Syntax Description		
clear		Clear bintrace entries
system		System-related show commands
internal		Commands for internal use
forwarding	forwarding	
pd-history		MFDM DI history

## Command Mode

- /exec

# clear system internal forwarding pd-history bitmask

clear system internal forwarding pd-history bitmask

## Syntax Description

Syntax Description		
clear		Clear bintrace entries
system		System-related show commands
internal		Commands for internal use
forwarding		forwarding
pd-history		MFDM DI history
bitmask		Bitmask

## Command Mode

- /exec

# clear system internal forwarding unicast counters

clear system internal forwarding unicast counters

## Syntax Description

Syntax Description		
clear	Show running system information	
system	System-related show commands	
internal	Commands for internal use	
forwarding	Show fib information	
unicast	show unicast information	
counters	Show mpls pd counters	

## Command Mode

- /exec

# clear system internal nbm shm table

clear system internal nbm shm table [ <i0> ]

## Syntax Description

Syntax Description	
clear	Reset functions
system	System-related show commands
internal	Commands for internal use
nbm	Non Blocking Multicast
shm	Shared Memory related commands
table	SHM table
<i>i0</i>	(Optional) If Index

## Command Mode

- /exec

# clear system internal npacl event-history

clear system internal npacl event-history { acl | ppf | cli | internal | all } [ dump-to-file ]

## Syntax Description

Syntax Description		
clear	Reset functions	
system	system	
internal	Commands for internal use	
npacl	Configure NPACL feature	
event-history	event history	
acl	Clear acl policy history	
ppf	Clear ppf interaction history	
cli	Clear cli history	
internal	Clear internal	
all	Clear all history buffers	
dump-to-file	(Optional) Dump the npacl event history logs into the file	

## Command Mode

- /exec

# clear system internal orib event-history

clear system internal orib event-history [ <orib-event-hist-buf-name> ] [ verbose ]

## Syntax Description

Syntax Description		
clear		Reset functions
system		Clear logs in system
internal		Commands for internal use
orib		Clear ORIB commands
event-history		ORIB event logs
<i>orib-event-hist-buf-name</i>	(Optional)	Event history buffer
verbose	(Optional)	Do not add per route info into buffer

## Command Mode

- /exec

## clear system internal pktmgr internal event-history

clear system internal pktmgr internal event-history { errors | control | log | ha | pkt-errors | pkt-buffer | all } [ dump-to-file ]

### Syntax Description

Syntax Description		
clear	Reset functions	
system	System-related show commands	
internal	Commands for internal use	
pktmgr	Clear Packet Manager information	
internal	Commands for internal use	
event-history	Clear various event logs of Pktmgr	
errors	Clear error logs of Pktmgr	
control	Clear control message of Pktmgr	
log	Clear syslog message of Pktmgr	
ha	Clear ha debug message of Pktmgr	
pkt-errors	Clear pkt error message of Pktmgr	
pkt-buffer	Clear pkt buffers message of Pktmgr	
all	All event history buffers	
dump-to-file	(Optional) Dump the PktMgr event history logs into the file	

### Command Mode

- /exec



# clear system internal virtual-service utilization statistics CPU

clear system internal virtual-service utilization statistics CPU

## Syntax Description

Syntax Description		
	clear	Reset functions
	system	Enable debugging of system components
	internal	Commands for internal use
	virtual-service	Clear statistics of virtual service
	utilization	Utilization information about virtual service
	statistics	Clear statistics of virtual service
	CPU	Clear CPU statistics of virtual service

## Command Mode

- /exec

# clear system reset-reason

clear system reset-reason

## Syntax Description

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

<b>Syntax Description</b>	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

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

---

### 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

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 track internal info counters

clear track internal info counters

## Syntax Description

---

### Syntax Description

---

clear    Reset functions

---

track    Clear track information

---

internal    Clear internal track information

---

info    Clear internal data structure information

---

counters    Clear track counters information

---

## Command Mode

- /exec



# clear user

clear user <*s0*>

## Syntax Description

---

### Syntax Description

---

*clr* Reset functions

---

*user* Logout a particular user

---

*s0* Enter the username

---

## Command Mode

- /exec

# clear veobc counters

clear veobc counters

## Syntax Description

---

### 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

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

---

**Syntax Description**

---

clear    Reset functions

---

vlan    Vlan commands

---

id      (Optional) clear VLAN counters by VLAN id

---

*vlan-id* (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

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

---

### 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

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

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

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

Syntax Description	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

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 xl

clear xl

## Syntax Description

---

### 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

<b>Syntax Description</b>	<i>no</i> Negate a command or set its defaults
	<i>cli</i> Configure CLI commands
	<i>alias</i> Define an alias
	<i>name</i> 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

---

### Syntax Description

---

cli

---

reload

---

parsetree

---

## Command Mode

- /exec

# cli show running-config local

cli show running-config local

## Syntax Description

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

<b>Syntax Description</b>	<i>no</i>	Negate a command or set its defaults
	<i>cli</i>	Configure CLI commands
	<i>var</i>	Define a variable
	<i>name</i>	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

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

## Command Mode

- /exec

# cli var name

[no] cli var name <s0>

## Syntax Description

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

Syntax Description	
cli	CLI commands
var	Define a variable
name	Specify a variable name
s0	Variable name
line	Variable value

## Command Mode

- /exec

# cli verifyrun

[no] cli verifyrun

## Syntax Description

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

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

## Command Mode

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

# clis all

clis { no debug | undebug } all

## Syntax Description

---

**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

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

<b>Syntax Description</b>	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

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

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

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

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

---

*i11* Enter the year (no abbreviation)

---

September Month of the year

---

*i12* 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

### 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

<b>Syntax Description</b>	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

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

### 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

---

### 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

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

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

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

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

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

<b>Syntax Description</b>	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

### 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

---

### 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

---

### Syntax Description

---

commit commit itd  
session

---

## Command Mode

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

# commit

commit

## Syntax Description

---

### Syntax Description

---

commit Commit the current configuration session

---

## Command Mode

- /exec/configure

# commit verbose

commit verbose

## Syntax Description

---

### 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

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

# conf-offset

[no] conf-offset <offset>

## Syntax Description

Syntax Description	
conf-offset	Configure Confidentiality offset
<i>offset</i>	Confidentiality offset size

## Command Mode

- /exec/configure/macsec-policy

# confederation identifier

[no] confederation identifier <confed-id>

## Syntax Description

<b>Syntax Description</b>	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

<b>Syntax Description</b>	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

---

### 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

---

### 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

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 private

configure private [ sandbox ]

## Syntax Description

---

### Syntax Description

---

configure Enter configuration mode

---

private Prototype place holder for config session phase two

---

sandbox (Optional) Used by the CLI sandbox

---

## Command Mode

- /exec

# configure profile

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

## Syntax Description

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

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

---

### Syntax Description

---

configure Enter configuration mode

---

session Configure the system in a session

---

*s0* Enter the name of the session

---

## Command Mode

- /exec



# configure sync

configure sync

## Syntax Description

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

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

#### 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

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

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

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

---

### 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

---

### Syntax Description

---

**no**      Negate a command or set its defaults

---

**continue**    Continue on a different entry within the route-map

---

*value*      Route-map entry sequence number

---

## Command Mode

- /exec/configure/route-map



# contract-id

{ contract-id <s0> | no contract-id }

## Syntax Description

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

---

### Syntax Description

---

control-plane Enter to control-plane sub-mode

---

## Command Mode

- /exec/configure

# control vlan

[no] control vlan <vlan-id>

## Syntax Description

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

# control vlan

[no] control vlan <vlan-id>

## Syntax Description

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 ipv4

```
[no] controller ipv4 <ipv4> [ port <tcpport> ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ security { none |
tls } ]
```

## Syntax Description

Syntax Description	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)
vrf	(Optional) Controller VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
security	(Optional) Set security protocol
none	(Optional) Disable security protocol
tls	(Optional) Enable security protocol

## Command Mode

- /exec/configure/openflow/switch

# controller ipv4

```
[no] controller ipv4 <ipv4> [ port <tcpport> ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ security { none |
tls } ]
```

## Syntax Description

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)
vrf	(Optional)	Controller VRF
<i>vrf-name</i>	(Optional)	VRF name
<i>vrf-known-name</i>	(Optional)	Known VRF name
security	(Optional)	Set security protocol
none	(Optional)	Disable security protocol
tls	(Optional)	Enable security protocol

## Command Mode

- /exec/configure/openflow/switch/sub-switch

# controller type l2-vxlan identifier

[no] controller type l2-vxlan identifier <controller-id>

## Syntax Description

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

---

### 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

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

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

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

---

**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

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

### 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

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

---

### Syntax Description

copy Copy from one file to another

---

licenses Backup license files

---

*uri0* 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

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

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

#### 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

<b>Syntax Description</b>	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

---

**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

---

### Syntax Description

---

no Negate a command or set its defaults

---

cost Cost associated with interface

---

*cost* Cost value

---

## Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

# count

| count

## Syntax Description

---

### 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

### 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

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

<b>Syntax Description</b>	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> [ accept ]

## Syntax Description

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
accept	(Optional)	accept the certificate automatically

## Command Mode

- /exec/configure

# crypto ca crl request

[no] crypto ca crl request <s0> <uri0>

## Syntax Description

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

<b>Syntax Description</b>	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

### 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

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

---

**Syntax Description**

---

`crypto` Set crypto settings

---

`ca` Configure certificate authority related information

---

`import` import the certificate or key

---

`s0` trustpoint label

---

`pkcs12` source file url

---

`uri0` source file url

---

`s1` passphrase to decrypt the private key

---

## Command Mode

- /exec/configure

# crypto ca lookup

[no] crypto ca lookup { remote | local | both }

## Syntax Description

<b>Syntax Description</b>	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

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

<b>Syntax Description</b>	<b>no</b> (Optional) Negate a command or set its defaults
	<b>crypto</b> Set crypto settings
	<b>ca</b> Configure certificate authority related information
	<b>test</b> certificate tests
	<b>verify</b> verify the certificate
	<b>uri0</b> Specify certificate file name

## Command Mode

- /exec/configure

# crypto ca trustpoint

[no] crypto ca trustpoint <s0>

## Syntax Description

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

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

<b>Syntax Description</b>	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

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

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	
s0	key-pair label	
modulus	key-pair size	
i0	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

<b>Syntax Description</b>	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

<b>Syntax Description</b>	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

# customer-id

{ customer-id <s0> | no customer-id }

## Syntax Description

---

### 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

### 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

