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callhome

callhome

Syntax Description

callhome Enter the callhome configuration mode

Command Modes

- /exec/configure

callhome send configuration

callhome send configuration

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

Command Modes	<ul style="list-style-type: none">• /exec
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callhome send diagnostic

callhome send diagnostic

Syntax Description

callhome callhome commands

send send a command callhome message

diagnostic dignostic command

Command Modes

• /exec

callhome send eem subject body

`callhome send eem subject s1 body s2`

Syntax Description

callhome	callhome commands
send	send a command callhome message
eem	eem action email
subject	action email subject
body	action email body
<i>s1</i>	Type: string length: 512 subject-text string
<i>s2</i>	Type: string length: 512 body-text string

Command Modes

• /exec

capability additional-paths receive

[{no|default}] **capability additional-paths receive** [disable]

Syntax Description

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

Command Modes

- /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

capability additional-paths send

[{no|default}] **capability additional-paths send** [disable]

Syntax Description

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

Command Modes

- /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

capability suppress 4-byte-as

[{no|default}] **capability suppress 4-byte-as**

Syntax Description

no Negate a command or set its defaults

default Inherit values from a peer template

capability Capability

suppress Suppress sending out capability

4-byte-as Suppress 4-byte AS Capability

Command Modes

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

capture session

[no] **capture session** *session-id*

Syntax Description

no Negate a command or set its defaults

capture Enable packet capture on this filter for session *Not available in this release.*

session Session ID <1-48> for this session

session-id Type: uinteger

min: 1 max: 48

Session ID <1-48> for this session

Command Modes

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

carrier-delay

carrier-delay {*sec_val*|**msec** *msec_val*}|**no carrier-delay**

Syntax Description

no Negate a command or set its defaults

carrier-delay Specify delay for interface transitions

sec_val Type: uinteger
min: 0 max: 60
Carrier Transitions delay seconds

msec Carrier Transitions delay milliseconds

msec_val Type: uinteger
min: 0 max: 1000
Carrier Transitions delay milliseconds

Command Modes

- /exec/configure/if-vlan-common

cd

cd *uri0*

Syntax Description

cd Change current directory

uri0 Type: uri

Enter the name of the directory

Command Modes

• /exec

cdp advertise

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

Syntax Description

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

Command Modes

- /exec/configure

cdp enable (cdpd)

[no] cdp enable

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

Command Modes • /exec/configure

cdp enable (cdpd)

[no] cdp enable

Syntax Description

no Negate a command or set its defaults

cdp Configure CDP interface parameters

enable Enable/disable CDP on the interface

Command Modes

- /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 format device-id

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

Syntax Description		
	no	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 Modes • /exec/configure

cdp holdtime

[no] **cdp holdtime** *i0*

Syntax Description	no	Negate a command or set its defaults
	cdp	Configure CDP parameters
	holdtime	CDP hold time advertised (in seconds)
	<i>i0</i>	Type: integer min: 10 max: 255 CDP hold time advertised (in seconds)
Command Modes	• /exec/configure	

cdp timer

[no] **cdp timer** *il*

Syntax Description

no Negate a command or set its defaults

cdp Configure CDP parameters

timer CDP refresh time interval (in seconds)

il Type: integer

min: 5 max: 254

CDP refresh time interval (in seconds)

Command Modes

- /exec/configure

cfs clear message-context name session-id

cfs clear message-context name *cfs-dyn-app-name* **session-id** *i0*

Syntax Description

cfs	CFS parameters
clear	clear message context
message-context	clear message context
name	clear message context for given application
<i>cfs-dyn-app-name</i>	Type: string length: 60 Registered name of the local application
session-id	Seesion id of message context
<i>i0</i>	Type: integer Seesion id

Command Modes

- /exec

cfs distribute

[no] cfs distribute

Syntax Description	no	Negate a command or set its defaults
	cfs	CFS configuration commands
	distribute	Enable fabric wide distribution

Command Modes • /exec/configure

cfs eth cos

cfs eth cos *i0* | **no cfs eth cos** [*i0*]

Syntax Description

no Negate a command or set its defaults

cfs CFS configuration commands

eth ETH configurations

cos Configure CFS Ethernet COS value

i0 Type: integer-range
COS Value Range

Command Modes

• /exec/configure

cfs eth distribute

[no] cfs eth distribute

Syntax Description	no	Negate a command or set its defaults
	cfs	CFS configuration commands
	eth	ETH configurations
	distribute	Enable CFS distribution over Ethernet
Command Modes		• /exec/configure

cfs ipv4

[no] cfs ipv4 {**distribute**|**mcast-address** *ip0*}

Syntax Description

no	Negate a command or set its defaults
cfs	CFS configuration commands
ipv4	IPv4 configurations
distribute	Enable CFS distribution over IPv4
mcast-address	Configure IPv4 multicast address
<i>ip0</i>	Type: ipaddr Admin scope [239.255/16, 239.192/16-239.251/16]

Command Modes

- /exec/configure

cfs ipv6

[no] cfs ipv6 {**distribute**|**mcast-address** *ipv60*}

Syntax Description

no	Negate a command or set its defaults
cfs	CFS configuration commands
ipv6	IPv6 configurations
distribute	Enable CFS distribution over IPv6
mcast-address	Configure IPv6 multicast address
<i>ipv60</i>	Type: ipv6addr Admin scope [ff15::/16, ff18::/16]

Command Modes

- /exec/configure

cfs merge all-fabrics name

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

Syntax Description

cfs	CFS parameters
merge	Resolve the merge failures
all-fabrics	Fabric wide within the scope of the application
name	Application name
<i>cfs-dyn-app-name</i>	Type: string length: 60 Registered name of the local application
vsan	For logical applications only
<i>i0</i>	Type: vsan Vsan Id

Command Modes

- /exec

cfs region

[no] cfs region *i0*

Syntax Description

no Negate a command or set its defaults

cfs CFS configuration commands

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

i0 Type: integer

min: 1 max: 200

Region Id

Command Modes

• /exec/configure

change-password

change-password [**old-password** *s1* **new-password** *s2*]

Syntax Description

no Negate a command or set its defaults

change-password Change your password

old-password Current password for the user

s1 Type: string
length: 80
Current password for the user (clear text)

new-password New password for the user

s2 Type: string
length: 80
New password for the user (clear text)

Command Modes

• /exec

channel-group

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

Syntax Description	no	Negate a command or set its defaults
	channel-group	Configure port channel parameters
	mode	Specify channeling mode
	active	Set channeling mode to ACTIVE
	passive	Set channeling mode to PASSIVE
	on	Set channeling mode to ON
	<i>channel-id</i>	Type: integer min: 1 max: 4096 Specify a port-channel number

Command Modes	<ul style="list-style-type: none"> • /exec/configure/if-eth-base • /exec/configure/if-ethernet-all
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channel-group force

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

Syntax Description	no	Negate a command or set its defaults
	channel-group	add to/remove from a port-channel
	<i>channel-id</i>	Type: integer min: 1 max: 4096 Specify a port-channel number
	force	Forcefully add a port
	mode	Specify channeling mode
	active	Set channeling mode to ACTIVE
	passive	Set channeling mode to PASSIVE
	on	Set channeling mode to ON

Command Modes

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

chassis-serial

chassis-serial *chas-ser*|**no chassis-serial**

Syntax Description	no	Negate the command
	chassis-serial	Chassis serial number
	<i>chas-ser</i>	Type: string length: 20 Serial number
Command Modes	• /exec/configure/fex	

checkpoint

checkpoint {[*name*] [**description** *descr_str*]|**file** *file_uri*}

Syntax Description

checkpoint Create configuration rollback checkpoint

name Type: string

pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]*

antipattern: system[a-zA-Z0-9_-]* | user-checkpoint-[0-9]* | auto-[0-9]* | summary | all | user

length: 80

Checkpoint name

file Create configuration rollback checkpoint to file

file_uri Type: uri

Checkpoint file path

description checkpoint description for the given checkpoint

descr_str Type: remainder

checkpoint description(can include spaces)

Command Modes

- /exec

class (copp_cli)

class {*cmap-name* [**insert-before** *cmap-name2*]|**class-default**}|**no class** {*cmap-name*|**class-default**}

Syntax Description

no Negate a command or set its defaults

class Attach class map to policy map

cmap-name Type: string
 antipattern: copp-system-p+([a-zA-Z0-9]|[-|.|_])*
 length: 64
 Class-map name

insert-before Insert this class before another class

cmap-name2 Type: string
 antipattern: copp-system-p+([a-zA-Z0-9]|[-|.|_])*
 length: 64
 class map name before which insertion should happen

class-default Use class default

Command Modes

- /exec/configure/pmap

class-map

[no] class-map [type qos] [*any_or_all*] *cmap-name*

Syntax Description

no	Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
qos	Qos class
<i>any_or_all</i>	Enter match-any or match-all
	match-any value: 1 Logical-OR all match statements under this classmap
	match-all value: 2 Logical-AND all match statements under this classmap
<i>cmap-name</i>	Type: string antipattern: type typ ty t class-default class default length: 40 class-map name

Command Modes

- /exec/configure

class-map type control-plane

[no] class-map type control-plane [*opt_any_or_all*] *cmap-name*

Syntax Description

no	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>	Enter match-any or match-all
	<p>match-any value: 1 Logical-OR all match statements under this classmap</p> <p>match-all value: 2 Logical-AND all match statements under this classmap</p>
<i>cmap-name</i>	Type: string antipattern: copp-system-p+([a-zA-Z0-9] [- . _])* length: 64 Class-map name

Command Modes

- /exec/configure

class-map type network-qos match-any

[no] class-map type network-qos match-any *cmap-name-nq*

Syntax Description

no	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	Match on any criteria
<i>cmap-name-nq</i>	Type: string antipattern: type typ ty t class-default class default length: 40 class-map name

Command Modes

- /exec/configure

class-map type queuing

[no] **class-map type queuing** *any_or_all* {**xxx** *cmap-enum-name* *cmap-dce-name* *cmap-name* *hque*}

Syntax Description

no	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>	Enter match-any
	match-any value: 1 Logical-OR all match statements under this classmap

cmap-enum-name **2q4t-in-q1 value: 1**
 Ingress queue 1 of 2q4t type

2q4t-in-q-default value: 2
 Ingress default queue of 2q4t type

8q2t-in-q1 value: 3
 Ingress queue 1 of 8q2t type

8q2t-in-q2 value: 4
 Ingress queue 2 of 8q2t type

8q2t-in-q3 value: 5
 Ingress queue 3 of 8q2t type

8q2t-in-q4 value: 6
 Ingress queue 4 of 8q2t type

8q2t-in-q5 value: 7
 Ingress queue 5 of 8q2t type

8q2t-in-q6 value: 8
 Ingress queue 6 of 8q2t type

8q2t-in-q7 value: 9
 Ingress queue 7 of 8q2t type

8q2t-in-q-default value: 10
 Ingress default queue of 8q2t type

1p3q4t-out-pq1 value: 11
 Egress priority queue of 1p3q4t type

1p3q4t-out-q2 value: 12
 Egress queue 2 of 1p3q4t type

1p3q4t-out-q3 value: 13
 Egress queue 3 of 1p3q4t type

1p3q4t-out-q-default value: 14
 Egress default queue of 1p3q4t type

1p7q4t-out-pq1 value: 15
 Egress priority queue of 1p7q4t type

1p7q4t-out-q2 value: 16
 Egress queue 2 of 1p7q4t type

1p7q4t-out-q3 value: 17
 Egress queue 3 of 1p7q4t type

1p7q4t-out-q4 value: 18
 Egress queue 4 of 1p7q4t type

1p7q4t-out-q5 value: 19
 Egress queue 5 of 1p7q4t type

1p7q4t-out-q6 value: 20
 Egress queue 6 of 1p7q4t type

1p7q4t-out-q7 value: 21
 Egress queue 7 of 1p7q4t type

1p7q4t-out-q-default value: 22
 Egress default queue of 1p7q4t type

xxx

Not available in this release.

cmap-dce-name Type: string
antipattern: type | typ | ty | t | class-default | class | default
length: 40
Queuing class-map name

cmap-name-hque Type: string
antipattern: type | typ | ty | t | class-default | class | default
length: 40
Hierarchical class-map name

Command Modes

- /exec/configure

class (qosmgr)

[no] class [type qos] *cmap-name* [insert-before [type qos1] *cmap-name2*]

Syntax Description

no	Negate a command or set its defaults
class	Policy Criteria
type	Specify the type of class
qos	Match on Qos class
<i>cmap-name</i>	Type: string antipattern: type typ ty t class-default class default length: 40 class map name
insert-before	Insert this class before another class
qos1	Insert before Qos class
<i>cmap-name2</i>	Type: string length: 40 class map name

Command Modes

- /exec/configure/policy-map

class class-default

[no] class class-default

Syntax Description

no Negate a command or set its defaults

class Policy Criteria

class-default System default class matching otherwise unclassified packets

Command Modes

• /exec/configure/policy-map

class type network-qos

[no] class type network-qos *cmap-name-nq*

Syntax Description

no	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>cmap-name-nq</i>	Type: string antipattern: type typ ty t class-default class default length: 40 Match class-map name

Command Modes

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

class type network-qos class-default

[no] class type network-qos class-default

Syntax Description		
	no	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 Modes		<ul style="list-style-type: none">• /exec/configure/policy-map/type/uf

class type queuing

[no] class type queuing {xxx cmap-enum-namecmap-dce-namecmap-name-hque} [insert-before type queuing1 yyy xcmap-enum-name]

Syntax Description

xxx	xxx <i>Not available in this release.</i>
yyy	yyy <i>Not available in this release.</i>
no	Negate a command or set its defaults
class	Policy Criteria
type	Specify the type of class
queuing	Match on Queuing class

cmap-enum-name **2q4t-in-q1 value: 1**
 Ingress queue 1 of 2q4t type

2q4t-in-q-default value: 2
 Ingress default queue of 2q4t type

8q2t-in-q1 value: 3
 Ingress queue 1 of 8q2t type

8q2t-in-q2 value: 4
 Ingress queue 2 of 8q2t type

8q2t-in-q3 value: 5
 Ingress queue 3 of 8q2t type

8q2t-in-q4 value: 6
 Ingress queue 4 of 8q2t type

8q2t-in-q5 value: 7
 Ingress queue 5 of 8q2t type

8q2t-in-q6 value: 8
 Ingress queue 6 of 8q2t type

8q2t-in-q7 value: 9
 Ingress queue 7 of 8q2t type

8q2t-in-q-default value: 10
 Ingress default queue of 8q2t type

1p3q4t-out-pq1 value: 11
 Egress priority queue of 1p3q4t type

1p3q4t-out-q2 value: 12
 Egress queue 2 of 1p3q4t type

1p3q4t-out-q3 value: 13
 Egress queue 3 of 1p3q4t type

1p3q4t-out-q-default value: 14
 Egress default queue of 1p3q4t type

1p7q4t-out-pq1 value: 15
 Egress priority queue of 1p7q4t type

1p7q4t-out-q2 value: 16
 Egress queue 2 of 1p7q4t type

1p7q4t-out-q3 value: 17
 Egress queue 3 of 1p7q4t type

1p7q4t-out-q4 value: 18
 Egress queue 4 of 1p7q4t type

1p7q4t-out-q5 value: 19
 Egress queue 5 of 1p7q4t type

1p7q4t-out-q6 value: 20
 Egress queue 6 of 1p7q4t type

1p7q4t-out-q7 value: 21
 Egress queue 7 of 1p7q4t type

1p7q4t-out-q-default value: 22
 Egress default queue of 1p7q4t type

cmap-dce-name Type: string
 antipattern: type | typ | ty | t | class-default | class | default
 length: 40
 Queuing class-map name

<i>cmap-name-hque</i>	Type: string antipattern: type typ ty t class-default class default length: 40 Hierarchical class-map name
insert-before	Insert this class before another class
queuing1	Insert before Queuing class

xcmmap-enum-name **2q4t-in-q1 value: 1**
 Ingress queue 1 of 2q4t type

2q4t-in-q-default value: 2
 Ingress default queue of 2q4t type

8q2t-in-q1 value: 3
 Ingress queue 1 of 8q2t type

8q2t-in-q2 value: 4
 Ingress queue 2 of 8q2t type

8q2t-in-q3 value: 5
 Ingress queue 3 of 8q2t type

8q2t-in-q4 value: 6
 Ingress queue 4 of 8q2t type

8q2t-in-q5 value: 7
 Ingress queue 5 of 8q2t type

8q2t-in-q6 value: 8
 Ingress queue 6 of 8q2t type

8q2t-in-q7 value: 9
 Ingress queue 7 of 8q2t type

8q2t-in-q-default value: 10
 Ingress default queue of 8q2t type

1p3q4t-out-pq1 value: 11
 Egress priority queue of 1p3q4t type

1p3q4t-out-q2 value: 12
 Egress queue 2 of 1p3q4t type

1p3q4t-out-q3 value: 13
 Egress queue 3 of 1p3q4t type

1p3q4t-out-q-default value: 14
 Egress default queue of 1p3q4t type

1p7q4t-out-pq1 value: 15
 Egress priority queue of 1p7q4t type

1p7q4t-out-q2 value: 16
 Egress queue 2 of 1p7q4t type

1p7q4t-out-q3 value: 17
 Egress queue 3 of 1p7q4t type

1p7q4t-out-q4 value: 18
 Egress queue 4 of 1p7q4t type

1p7q4t-out-q5 value: 19
 Egress queue 5 of 1p7q4t type

1p7q4t-out-q6 value: 20
 Egress queue 6 of 1p7q4t type

1p7q4t-out-q7 value: 21
 Egress queue 7 of 1p7q4t type

1p7q4t-out-q-default value: 22
 Egress default queue of 1p7q4t type

Command Modes

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

clean ip bfd

clean ip bfd

Syntax Description

clean Clean internal datastructures

ip IP related information

bfd clean ip bfd datastructures

Command Modes

• /exec

clear (eigrp)

```
clear {ip eigrp [eigrp-ptag] neighbors {*addressinterface} [soft] [no-goodbye] [vrf
{vrf-namevrf-known-name|all}]}ipv6 eigrp [eigrp-ptag] neighbors {*ipv6-addrinterface} [soft]
[no-goodbye] [vrf {vrf-namevrf-known-name|all}]}
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 Process tag
neighbors	Clear EIGRP neighbors
*	Clear all EIGRP neighbors
<i>address</i>	Type: ipaddr IP-EIGRP neighbor address
<i>ipv6-addr</i>	Type: ipv6addr IPv6 neighbor address

clear (eigrp)

interface Type: interface

Interface

soft Soft reset

no-goodbye No goodbye

Command Modes

• /exec

clear (eigrp)

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

Syntax	Description
clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 Process tag
topology	Clear IP-EIGRP topology table entry
<i>address</i>	Type: ipaddr Network to display information about
<i>mask</i>	Type: ipaddr Network mask
<i>prefix</i>	Type: ipprefix IP prefix <network>/<length>, e.g., 192.168.0.0/16

clear (eigrp)

ipv6-prefix Type: ipv6prefix
IPv6 prefix <network>/<length>

Command Modes

- /exec

clear (sksd)

```
clear {keystore|sksd} [{indexname}]
```

Syntax Description

clear Reset functions

keystore Clear all records in the keystore

sksd Clear all records in the keystore/sksd-chip

index Type: uinteger

Clear secret at index <index>

name Type: string

Clear secret with name <name>

Command Modes

• /exec

clear (u6rib)

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

Syntax Description

clear	Reset functions
route	Clear routing information
routing	Clear routing information
vrf	Clear per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
<vrf-all>	Display information for all VRFs
ipv6	Clear IPv6 commands
unicast	Clear unicast information
topology	Clear per-topology information
<i>topology-name</i>	Type: string Topology name
<all>	Clear all routes
<i>ipv6-addr</i>	Type: ipv6addr Clear single host route
<i>ipv6-prefix</i>	Type: ipv6prefix Clear single exact match route
<i>nh-addr</i>	Type: ipv6addr Clear single path
<i>nh-interface</i>	Type: interface Interface Name

no-ufdm Do not tell UFDM about the change

Command Modes

- /exec

clear (urib)

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

Syntax Description

clear	Reset functions
route	Clear routing information
routing	Clear routing information
vrf	Clear per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
< vrf-all >	Display information for all VRFs
ip	Clear IP commands
ipv4	Clear IP commands
unicast	Clear unicast information
topology	Clear per-topology information
<i>topology-name</i>	Type: string Topology name
< all >	Clear all routes
<i>ip-addr</i>	Type: ipaddr Clear single host route
<i>ip-prefix</i>	Type: ipprefix Clear single exact match route
<i>nh-addr</i>	Type: ipaddr Clear single path

<i>nh-interface</i>	Type: interface Interface Name
no-ufdm	Do not tell UFDM about the change

Command Modes

- /exec

clear access-list counters

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

Syntax Description

clear	Reset functions
<i>ip_ipv6_mac</i>	IP/IPv6/MAC
ip value: 9	Clear IP commands
ipv6 value: 10	Clear IPv6 commands
mac value: 11	MAC configuration commands
access-list	Clear access list statistical information
counters	Clear access list counters
<i>name</i>	Type: string length: 64 List name

Command Modes

- /exec

clear access-list hardware counters

```
clear access-list hardware counters [module module]
```

Syntax Description

clear Reset functions

access-list Clear access list statistical information

hardware hardware information

counters Clear access list counters

module Slot/module

module Type: integer
Slot/module number

Command Modes

- /exec

clear accounting log

clear accounting log

Syntax Description

clear Reset functions

accounting Clear accounting log(s) in all vdc's

log Clear the accounting log(s) in all vdc's

Command Modes

• /exec

clear bfd statistics

clear bfd statistics

Syntax Description

clear Clear

bfd bfd

statistics statistics

Command Modes

• /exec

clear bgp

```
clear bgp {ipv4 {unicast|multicast} policy statistics {redistribute [{{eigrp|isis|ospf|rip}
tag|static|direct|amt|lisp}}]|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}}|{vpn4|vpn6} 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}}]|neighbor {neighbor-id|ipv6-neighbor-id}
[{{default-originate|{route-map|filter-list|prefix-list} {in|out}}}}]|dampening|network
ipv6-prefix|aggregate-address ipv6-prefix {suppress-map|advertise-map}}}
```

Syntax Description

clear	Reset functions
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpn4	Clear VPNv4 address-family <i>Not available in this release.</i>
vpn6	Clear VPNv6 address-family <i>Not available in this release.</i>
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	ISO IS-IS
ospf	Open Shortest Path First (OSPF)
ospfv3	Open Shortest Path First v3
rip	Routing Information Protocol
eigrp	Enhanced Interior Gateway Protocol
static	Static routes
direct	Directly connected
amt	AMT anycast prefix
lisp	LISP EID-prefixes

<i>tag</i>	Type: string Source protocol tag
neighbor	Clear neighbor specific counters
<i>neighbor-id</i>	Type: ipaddr Neighbor IPv4 address
<i>ipv6-neighbor-id</i>	Type: ipv6addr Neighbor IPv6 address
route-map	Neighbor route-map
prefix-list	Neighbor prefix-list
filter-list	Neighbor filter-list
out	Outbound policy
in	Inbound policy
default-originate	Default-originate policy
dampening	Clear dampening info
network	Configured IP prefix to advertise
aggregate-address	Configured BGP aggregate prefixes
suppress-map	Statistics of suppress policy
advertise-map	Statistics of advertise policy
<i>ip-addr</i>	Type: ipaddr IP network advertised
mask	Configured mask of the IP prefix advertised
<i>ip-mask</i>	Type: ipaddr Dotted 4-octet mask
<i>ip-prefix</i>	Type: ipprefix IP prefix in CIDR format
<i>ipv6-prefix</i>	Type: ipv6prefix IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128

Command Modes

- /exec

clear bgp event-history

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

Syntax Description

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

Command Modes

- /exec

clear bootvar log

clear bootvar log

Syntax Description

clear Reset functions

bootvar Clear the bootvar
log

log Clear the bootvar
log

Command Modes

• /exec

clear cdp

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

Syntax Description

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

Command Modes

- /exec

clear checkpoint database

```
clear checkpoint database [{user|system}]
```

Syntax Description

clear Reset functions

checkpoint Clear configuration rollback checkpoint

database Clear configuration rollback checkpoint database

user Clear configuration rollback checkpoint database for user checkpoints

system Clear configuration rollback checkpoint database for system checkpoints

Command Modes

• /exec

clear cli history

clear cli history

Syntax Description

clear Reset functions

cli debug cli

history history of cli
commands

Command Modes

• /exec

clear copp statistics

clear copp statistics

Syntax Description

clear Reset functions

copp Clear policy information for copp

statistics Clear statistics

Command Modes

• /exec

clear cores

clear cores

Syntax Description

clear Reset functions

cores clear all core dumps for the switch

Command Modes

• /exec

clear cores archive

```
clear cores archive [file s0]
```

Syntax Description

clear Reset functions

cores clear all cores for this vdc

archive clear all core dump files for this vdc from logflash on this module

file delete a core file on logflash

s0 Type: string

Name of file in directory 'core'

Command Modes

• /exec

clear counters

clear counters

Syntax Description

clear Reset functions

counters Clear counters

Command Modes

- /exec

clear counters buffers

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

Syntax Description

clear	Reset functions
counters	Clear counters
buffers	Clear system buffer max cell usage counter
module	Slot/module
<i>module</i>	Type: integer Slot/module number
instance	ASIC Instance Number
<i>instance</i>	Type: integer min: 0 max: 3 ASIC Instance Number in Decimal
__readonly__	Read Only
<i>clear_valid</i>	Type: string Clear

Command Modes

- /exec

clear counters interface

`clear counters interface ifindex`

Syntax Description

clear Reset functions

counters Clear counters

interface Clear interface
counters

ifindex Type:
interface-mrange

Clear interface
counters

Command Modes

• /exec

clear counters interface all

clear counters interface all

Syntax Description

clear Reset functions

counters Clear counters

interface Clear interface counters

all Clear all interface
counters

Command Modes

• /exec

clear eigrp accounting

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 Process tag
accounting	Clear IP-EIGRP accounting statistics

Command Modes

- /exec

clear eigrp event-history

```
clear {ip|ipv6} eigrp [eigrp-ptag] event-history [{fsm|packet|rib|cli|l3vpn|ha|all}]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 Process tag
event-history	Clear the event history buffers
fsm	FSM log of EIGRP
packet	Packet log of EIGRP
rib	RIB log of EIGRP
l3vpn	L3VPN log of EIGRP
ha	HA log of EIGRP
cli	EIGRP CLI related events
all	All event history buffers

Command Modes

- /exec

clear eigrp events

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 Process tag
events	Clear IP-EIGRP event logs

Command Modes

- /exec

clear eigrp logging

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 Process tag
logging	Stop IP-EIGRP event logging

Command Modes

- /exec

clear eigrp redistribution

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: string pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
redistribution	Clear EIGRP redistributed information

Command Modes

- /exec

clear eigrp traffic

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 Process tag
traffic	Clear IP-EIGRP traffic statistics

Command Modes

- /exec

clear fabricpath counters dropped

clear fabricpath counters dropped [**module** *module*] [**__readonly__** *mod_bmp vdc_id msg*]

Syntax Description

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

Command Modes

- /exec

clear forwarding cumulative counter

```
clear forwarding cumulative counter [{all|v4_ucast_add|v4_ucast_del|v6_ucast_add|v6_ucast_del}]
[module module]
```

Syntax Description		
clear	clear	clear
forwarding	forwarding information	
cumulative	accumulated prefix add/delete count	
counter	counter	
all	all	
v4_ucast_add	IPv4 unicast route add count	
v4_ucast_del	IPv4 unicast route delete count	
v6_ucast_add	IPv6 unicast route add count	
v6_ucast_del	IPv6 unicast route delete count	
module	slot	
<i>module</i>	Type: integer	slot number

Command Modes • /exec

clear forwarding distribution lisp counters all

clear forwarding distribution lisp counters all

Syntax Description

clear

forwarding forwarding

distribution fib distribution
information

lisp lisp application

counters counters

all all vrf's

Command Modes

• /exec

clear forwarding inconsistency

```
clear forwarding [{ipv4|ip}] [unicast] inconsistency
```

Syntax Description

clear	clear
forwarding	forwarding
ip	ipv4
ipv4	ipv4
unicast	unicast
inconsistency	route inconsistency check

Command Modes

- /exec

clear forwarding ipv4 multicast counters

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

Syntax Description

clear	
forwarding	fib information
vrf	Specify VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
ipv4	Ipv4
multicast	Multicast IPv4 information
counters	
group	Multicast IPv4 Group specific info
<i>gaddr</i>	Type: ipaddr Multicast IPv4 Group Address
source	Multicast IPv4 Source specific info
<i>saddr</i>	Type: ipaddr Multicast IPv4 Source Address
module	slot <i>Available only in the 9500 series.</i>
<i>module</i>	Type: integer slot number

Command Modes

- /exec

clear forwarding ipv6-l3-route-history

```
clear forwarding ipv6-l3-route-history
```

Syntax Description	clear	Clear bintrace entries
	forwarding	forwarding
	ipv6-l3-route-history	IPV6 L3 Route history
Command Modes	• /exec	

clear forwarding ipv6 adjacency module

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

Syntax Description

clear	
forwarding	forwarding information
ipv6	ipv6
adjacency	adjacency
vrf	delete routes for a specific vrf
<i>vrf-name</i>	Type: string VRF name
<i>ip-addr</i>	Type: ipv6addr IPV6 source address
all_adj	delete all adjs
module	module
all_modules	all module's
<i>module</i>	Type: integer module number
no-urib	Do not tell URIB about changes
force-delete	Forcefully remove adj

Command Modes

- /exec

clear forwarding ipv6 inconsistency

```
clear forwarding ipv6 [unicast] inconsistency
```

Syntax Description

clear	clear
forwarding	forwarding
ipv6	ipv6
unicast	unicast
inconsistency	route inconsistency check

Command Modes

- /exec

clear forwarding ipv6 module

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

Syntax Description

clear	
forwarding	forwarding information
ipv6	ipv6
route	route
vrf	delete routes for a specific vrf
<i>vrf-name</i>	Type: string VRF name
<i>prefix</i>	Type: ipv6prefix delete specific prefix
all_routes	delete all routes
module	module
all_modules	all module's
<i>module</i>	Type: integer module number
no-urib	Do not tell URIB about changes

Command Modes

- /exec

clear forwarding ipv6 multicast counters

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

Syntax Description

clear	
forwarding	fib information
vrf	Specify VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
ipv6	Ipv6
multicast	Multicast IPv6 information
counters	
group	Multicast IPv6 Group specific info
<i>gaddr</i>	Type: ipv6addr Multicast IPv6 Group Address
source	Multicast IPv6 Source specific info
<i>saddr</i>	Type: ipv6addr Multicast IPv6 Source Address
module	slot <i>Available only in the 9500 series.</i>
<i>module</i>	Type: integer slot number

Command Modes

- /exec

clear forwarding l2-oiflist-history

clear forwarding l2-oiflist-history

Syntax Description

clear Clear bintrace entries

forwarding forwarding

l2-oiflist-history L2 Oiflist history

Command Modes

• /exec

clear forwarding l2-route-history

clear forwarding l2-route-history

Syntax Description	clear	Clear bintrace entries
	forwarding	forwarding
	l2-route-history	L2 Route history
Command Modes	• /exec	

clear forwarding l2mcast info statistics

```
clear forwarding l2mcast info statistics [module num]
```

Syntax Description

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

Command Modes

- /exec

clear forwarding l2vpn trace member-history

clear forwarding l2vpn trace member-history

Syntax Description		
	clear	Clear bintrace entries
	forwarding	forwarding
	l2vpn	L2VPN
	trace	internal trace
	member-history	member history
Command Modes		• /exec

clear forwarding l3-route-history

clear forwarding l3-route-history

Syntax Description

clear Clear bintrace entries

forwarding forwarding

l3-route-history L3 Route history

Command Modes

• /exec

clear forwarding module (ufdm)

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

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

Command Modes • /exec

clear forwarding module (ufdm)

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

Syntax Description

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

Command Modes

- /exec

clear forwarding mpls trace adj-history

clear forwarding mpls trace adj-history [**module** *module*]

Syntax Description		
	clear	Clear bintrace entries
	forwarding	forwarding
	mpls	mpls
	trace	internal trace
	adj-history	adjacency history
	module	slot
	<i>module</i>	Type: integer slot number

Command Modes • /exec

clear forwarding mpls trace ecmp-history

clear forwarding mpls trace ecmp-history [**module** *module*]

Syntax Description

clear Clear bintrace entries

forwarding forwarding

mpls mpls

trace internal trace

ecmp-history ECMP history

module slot

module Type: integer
slot number

Command Modes

• /exec

clear forwarding mpls trace label-history

clear forwarding mpls trace label-history [**module** *module*]

Syntax Description		
	clear	Clear bintrace entries
	forwarding	forwarding
	mpls	mpls
	trace	internal trace
	label-history	label history
	module	slot
	<i>module</i>	Type: integer slot number

Command Modes • /exec

clear forwarding mpls trace te-history

clear forwarding mpls trace te-history [*module module*]

Syntax Description

clear Clear bintrace entries

forwarding forwarding

mpls mpls

trace internal trace

te-history TE history

module slot

module Type: integer
slot number

Command Modes

• /exec

clear forwarding oiflist-history

clear forwarding oiflist-history

Syntax Description

clear Clear bintrace entries

forwarding forwarding

oiflist-history Oiflist history

Command Modes

• /exec

clear forwarding otv oiflist-history

clear forwarding otv oiflist-history

Syntax Description

clear Clear bintrace entries

forwarding forwarding

otv Display OTV
information

oiflist-history Oiflist history

Command Modes

• /exec

clear forwarding trace ecmp-history

```
clear forwarding trace ecmp-history [module module]
```

Syntax Description		
	clear	Clear bintrace entries
	forwarding	forwarding
	trace	internal trace
	ecmp-history	ECMP history
	module	slot
	<i>module</i>	Type: integer slot number

Command Modes

- /exec

clear forwarding trace mfib oif-history

clear forwarding trace mfib oif-history

Syntax Description

clear Clear bintrace entries

forwarding forwarding

trace internal trace

mfib mfib entries

oif-history oif history

Command Modes

• /exec

clear forwarding trace mfib oiflist-history

clear forwarding trace mfib oiflist-history

Syntax Description		
	clear	Clear bintrace entries
	forwarding	forwarding
	trace	internal trace
	mfib	mfib entries
	oiflist-history	oiflist history
Command Modes		• /exec

clear forwarding trace mfib otv oif-history

clear forwarding trace mfib otv oif-history

Syntax Description

clear Clear bintrace entries

forwarding forwarding

trace internal trace

mfib mfib entries

otv otv entries

oif-history oif history

Command Modes

• /exec

clear forwarding trace mfib otv oiflist-history

clear forwarding trace mfib otv oiflist-history

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

Command Modes • /exec

clear forwarding trace mfib otv v4-route-history

clear forwarding trace mfib otv v4-route-history

Syntax Description

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

Command Modes

- /exec

clear forwarding trace mfib otv v6-route-history

clear forwarding trace mfib otv v6-route-history

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

Command Modes • /exec

clear forwarding trace mfib platform oiflist-history

clear forwarding trace mfib platform oiflist-history

Syntax Description

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

Command Modes

- /exec

clear forwarding trace mfib v4-route-history

clear forwarding trace mfib v4-route-history

Syntax Description		
	clear	Clear bintrace entries
	forwarding	forwarding
	trace	internal trace
	mfib	clear mfib entries
	v4-route-history	v4 route history
Command Modes		• /exec

clear forwarding trace mfib v6-route-history

clear forwarding trace mfib v6-route-history

Syntax Description

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

Command Modes

- /exec

clear forwarding trace otv-adj-history

clear forwarding trace otv-adj-history [**module** *module*]

Syntax Description		
	clear	Clear bintrace entries
	forwarding	forwarding
	trace	internal trace
	otv-adj-history	otv adj history
	module	slot
	<i>module</i>	Type: integer slot number

Command Modes • /exec

clear forwarding trace otv-vlan-history

clear forwarding trace otv-vlan-history [*module module*]

Syntax Description

clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
otv-vlan-history	otv vlan prefix history
module	slot
<i>module</i>	Type: integer slot number

Command Modes

- /exec

clear forwarding trace v4-adj-history

clear forwarding trace v4-adj-history [**module** *module*]

Syntax	Description
clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
v4-adj-history	V4 adjacency history
module	slot
<i>module</i>	Type: integer slot number

Command Modes • /exec

clear forwarding trace v4-pfx-history

clear forwarding trace v4-pfx-history [**module** *module*]

Syntax Description

clear Clear bintrace entries

forwarding forwarding

trace internal trace

v4-pfx-history V4 prefix history

module slot

module Type: integer
slot number

Command Modes

• /exec

clear forwarding trace v4-rnh-history

```
clear forwarding trace v4-rnh-history [module module]
```

Syntax Description		
	clear	Clear bintrace entries
	forwarding	forwarding
	trace	internal trace
	v4-rnh-history	V4 rnh history
	module	slot
	<i>module</i>	Type: integer slot number

Command Modes • /exec

clear forwarding trace v6-adj-history

```
clear forwarding trace v6-adj-history [module module]
```

Syntax Description

clear	Clear bintrace entries
--------------	------------------------

forwarding	forwarding
-------------------	------------

trace	internal trace
--------------	----------------

v6-adj-history	V6 adjacency history
-----------------------	----------------------

module	slot
---------------	------

<i>module</i>	Type: integer slot number
---------------	------------------------------

Command Modes

- /exec

clear forwarding trace v6-pfx-history

clear forwarding trace v6-pfx-history [**module** *module*]

Syntax Description		
	clear	Clear bintrace entries
	forwarding	forwarding
	trace	internal trace
	v6-pfx-history	V6 prefix history
	module	slot
	<i>module</i>	Type: integer slot number

Command Modes • /exec

clear forwarding trace v6-rnh-history

clear forwarding trace v6-rnh-history [**module** *module*]

Syntax Description

clear Clear bintrace entries

forwarding forwarding

trace internal trace

v6-rnh-history V6 rnh history

module slot

module Type: integer
slot number

Command Modes

• /exec

clear forwarding trace vobj-history

clear forwarding trace vobj-history [**module** *module*]

Syntax Description	
clear	Clear bintrace entries
forwarding	forwarding
trace	internal trace
vobj-history	vobj history
module	slot
<i>module</i>	Type: integer slot number

Command Modes

- /exec

clear frame traffic

clear frame traffic

Syntax Description

clear Reset functions

frame Clear layer-2 frame statistics to/from the Route Processor

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

Command Modes

• /exec

clear fs-daemon log

clear fs-daemon log

Syntax Description

clear Reset functions

fs-daemon Clear the fs daemon
log

log Clear the fs daemon
log

Command Modes

• /exec

clear hardware ip verify

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

Syntax Description

clear	Reset functions
hardware	Show hardware information
forwarding	Show hardware information for forwarding path
ip	IPv4 and IPv6 protocols <i>Not available in this release.</i>
verify	IP packet validation checks in hardware <i>Not available in this release.</i>
class-e	Class E IDS check <i>Not available in this release.</i>
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 <i>Not available in this release.</i>
zero	Destination address is 0.0.0.0
identical	Same IP SA and DA
reserved	Source address is 127.x.x.x <i>Not available in this release.</i>
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	Specify a module number
<i>module</i>	Type: integer Specify a module number

Command Modes

- /exec

clear hardware rate-limiter

```
clear hardware rate-limiter {all|layer-3 {l3-opts|multicast mcast-opts}|layer-2 l2-opts|opts|f1 f1-opts}
[module module]
```

Syntax	Description
clear	Reset functions
hardware	Show hardware information
rate-limiter	Clear Rate-Limiter statistics
all	Clear all Rate-Limiter statistics
layer-3	Layer-3 control and Routed packets
<i>l3-opts</i>	glean value: 3 Glean traffic
multicast	Multicast data packets
<i>mcast-opts</i>	local-groups value: 5 Data packets punted for initiating SPT join
layer-2	Layer-2 control and Bridged packets <i>Not available in this release.</i>
<i>l2-opts</i>	storm-control value: 7 Packets flooded in VLAN port-security value: 12 Packets violating MAC restrictions on the ingress interface mcast-snooping value: 13 IGMP Snoop packets for L2 Multicast vpc-low value: 14 Control packets over vPC low q l2pt value: 15 Layer2 tunnel protocol vpc-peer-gw value: 21 Traffic to be redirected to vPC peer lisp-map-cache value: 22 Traffic to be redirected to LISP peer
<i>opts</i>	access-list-log value: 8 Packets copied to supervisor for access-list logging bfd value: 23 BFD protocol traffic exception value: 24 Catch-all exception traffic
f1	Control packets from F1 modules to supervisor <i>Not available in this release.</i>

fl-opts **rl-1 value: 16**
 STP and Fabricpath-ISIS
rl-2 value: 17
 L3-ISIS and OTV-ISIS
rl-3 value: 18
 UDLD, LACP, CDP and LLDP
rl-4 value: 19
 Q-in-Q and ARP request
rl-5 value: 20
 IGMP, NTP, DHCP-Snoop, Port-Security and Mgmt traffic

module Specify a module number

module Type: integer
 Specify a module number

Command Modes

• /exec

clear hsrp countersclear hsrp state-history

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

Syntax Description

clear	Reset functions
hsrp	HSRP commands
counters	Internal counters
<i>value</i>	Type: integer Counter to be cleared
state-history	Clear Groups' state history
interface	Groups on this interface
<i>interface-id</i>	Type: interface Interface
group	Group number
<i>group-id</i>	Type: integer min: 0 max: 4095 Group Number

Command Modes

- /exec

clear icmpv6 cache

```
clear icmpv6 cache interface [intf]
```

Syntax Description

clear Reset functions

icmpv6 ICMPv6 Commands

cache Clear icmpv6 cache

interface Clear icmpv6 interface information

intf Type: interface

Interface name to clear

Command Modes

• /exec

clear inactive-config

clear inactive-config *component-list+*

Syntax Description

clear	Reset functions
inactive-config	Clear Inactive config
<i>component-list</i>	component list
qos value: 401	clear inactive config of qos manager
acl value: 402	clear inactive config of acl manager

Command Modes

- /exec

clear install all failed-standby

clear install all failed-standby

Syntax Description

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

Command Modes

- /exec

clear install failure-reason

clear install failure-reason

Syntax Description

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

Command Modes

- /exec

clear install log-history

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

Syntax Description

clear	Reset functions
install	Install related show commands
log-history	Patch installer historical logs
all	Delete complete history log
oldest	oldest Delete the oldest <n> install log-history points
<i>i0</i>	Type: uinteger min: 1 max: 4294967294 Number of log-history points to delete

Command Modes

- /exec

clear install status

clear install status

Syntax Description

clear Reset functions

install Clear the installer log

status Clear the installer status
log

Command Modes

• /exec

clear ip

clear ip {*netstack mroute|mroute data-created*} {*allgroup-prefix|group* [*source*]} [*vrf* {*vrf-namevrf-known-name|all*}]

Syntax Description

clear	Reset functions
ip	Clear IP commands
netstack	Netstack's local cache
mroute	Clear multicast routing table
data-created	Clear all Data-created PIM ASM (S,G) routes
<all>	Clear all routes
<i>group-prefix</i>	Type: ipprefix Clear all routes within the Group prefix
<i>group</i>	Type: ipaddr Clear all sources matching the Group
<i>source</i>	Type: ipaddr Clear a (S,G) route
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

• /exec

clear ip adjacency cache

```
clear ip adjacency cache interface [intf]
```

Syntax Description

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

Command Modes

- /exec

clear ip adjacency no-ufdm

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
adjacency	Clear Adjacency
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
<i>ip-addr</i>	Type: ipaddr IPV4 source address
*	Delete all adjacency in this context
no-ufdm	Create inconsistency in adjacency

Command Modes

- /exec

clear ip adjacency statistics

clear ip adjacency statistics

Syntax Description

clear Reset functions

ip Clear IP commands

adjacency Clear Adjacency

statistics Clear Adjacency
Statistics

Command Modes

• /exec

clear ip arp

```
clear ip arp [{interfaceip-address}] [vrf {vrf-namevrf-known-name|all}] [force-delete]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
<i>interface</i>	Type: interface ARP interface
<i>ip-address</i>	Type: ipaddr IP address
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_;;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Clear ARP entries for all vrfs
force-delete	Clear the entries from ARP table without refresh

Command Modes

- /exec

clear ip arp cache

```
clear ip arp cache interface [intf]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	arp
cache	Clear arp cache
interface	Clear arp interface information
<i>intf</i>	Type: interface Interface name to clear

Command Modes

- /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|all}

Syntax	Description
clear	Reset functions
ip	IP events
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
all	All event history buffers

Command Modes • /exec

clear ip arp inspection log

clear ip arp inspection log

Syntax Description

clear	Reset functions
ip	Clear ip counters
arp	Clear State of ARP features
inspection	Clear State of ARP Inspection <i>Not available in this release.</i>
log	Log Buffer

Command Modes

• /exec

clear ip arp inspection statistics vlan

```
clear ip arp inspection statistics vlan vlan-id
```

Syntax Description

clear	Reset functions
ip	Clear ip counters
arp	Clear State of ARP features
inspection	Clear State of ARP Inspection <i>Not available in this release.</i>
statistics	Statistics
vlan	Vlan range
<i>vlan-id</i>	Type: vlan-mrange VLAN ID 1-3967 or range(s): 1-5, 10 or 2-5,7-19

Command Modes

- /exec

clear ip arp statistics

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
<i>interface</i>	Type: interface ARP interface
statistics	Clear ARP statistics
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Clear ARP statistics for all vrfs

Command Modes

- /exec

clear ip arp tunnel-statistics

clear ip arp tunnel-statistics

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

Command Modes	
	• /exec

clear ip arp vpc-statistics

clear ip arp vpc-statistics

Syntax Description

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

Command Modes

- /exec

clear ip cache

clear ip cache interface [*intf*]

Syntax Description

clear Reset functions

ip Clear IP commands

cache Clear ip cache

interface Clear ip interface information

intf Type: interface
Interface name to clear

Command Modes

• /exec

clear ip dhcp global statistics

clear ip dhcp global statistics

Syntax Description

clear Reset functions

ip Clear ip counters

dhcp Clear State of DHCP features

global Clear State of DHCP global stats

statistics DHCP snooping statistics

Command Modes

• /exec

clear ip dhcp relay statistics

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

Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
relay	Clear State of DHCP relay stats
statistics	DHCP Relay statistics
interface	input interface
<i>intf</i>	Type: interface interface
serverip	Helper address
<i>ip-addr-val</i>	Type: ipaddr IP address
use-vrf	helper address VRF membership
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all 12-vrf length: 32 VRF name

Command Modes

- /exec

clear ip dhcp snooping binding

clear ip dhcp snooping binding [{vlan *vlan-id* mac *mac-addr* ip *ip-addr* interface *interface-id*|vlan *vlan-id1*|interface *interface-id1*}]

Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
snooping	Clear State of DHCP Snooping <i>Not available in this release.</i>
binding	DHCP snooping bindings
vlan	VLAN
<i>vlan-id</i>	Type: vlan VLAN id
vlan	VLAN
<i>vlan-id1</i>	Type: vlan VLAN id
mac	MAC address
<i>mac-addr</i>	Type: ethernet MAC address
ip	IP address
<i>ip-addr</i>	Type: ipaddr IP address
interface	interface
<i>interface-id</i>	Type: interface interface
interface	interface
<i>interface-id1</i>	Type: interface interface

Command Modes

• /exec

clear ip dhcp snooping statistics

```
clear ip dhcp snooping statistics [{vlan vlan-id interface intf[vlan vlan-id]}
```

Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
snooping	Clear State of DHCP snooping stats <i>Not available in this release.</i>
statistics	DHCP snooping statistics
vlan	VLAN
<i>vlan-id</i>	Type: vlan VLAN id
interface	input interface
<i>intf</i>	Type: interface interface

Command Modes

- /exec

clear ip dns all config

clear ip dns all config

Syntax Description

clear Clear entries

ip Configure ip feature

dns DNS related config

all All DNS related content

config Domain-name, name-server, domain-list, sortlist, options, results

Command Modes

• /exec/configure

clear ip dns use-vrf config

`clear ip dns use-vrf config`

Syntax Description

clear Clear entries

ip Configure ip feature

dns DNS related config

use-vrf Config with keyword use-vrf

config Domain-name, name-server, domain-list

Command Modes

• /exec/configure

clear ip eigrp event-history bfd

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
eigrp	EIGRP clear commands
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 Process tag
event-history	Clear the event history buffers
bfd	Show bfd log of EIGRP

Command Modes

- /exec

clear ip eigrp route-map statistics redistribute

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

Syntax	Description
clear	Reset functions
ip	Clear IP commands
eigrp	EIGRP clear commands
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 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>	Type: asn 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>	Type: string Process tag
static	Static routes
direct	Directly connected
amt	AMT Anycast prefix
lisp	LISP EID-prefixes

Command Modes

- /exec

clear ip ftm statistics

clear ip ftm statistics

Syntax Description

clear Reset functions

ip Clear IP
commands

ftm FTM API

statistics Statistics

Command Modes

• /exec

clear ip igmp

clear ip igmp {**groups**|**route**} {*allgroup-prefix*|*group* [*source*]} [**vrf** {*vrf-name**vrf-known-name*|**all**}]

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP related information
groups	Route information
route	Route information
<all>	Clear all routes
<i>group-prefix</i>	Type: ipprefix Clear all routes within the Group prefix
<i>group</i>	Type: ipaddr Clear all routes matching the Group
<i>source</i>	Type: ipaddr Clear a (S,G) route
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear ip igmp event-history

```
clear ip igmp event-history [igmp-event-hist-buf-name]
```

Syntax Description

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

Command Modes

• /exec

clear ip igmp interface statistics

```
clear ip igmp interface statistics [interface]
```

Syntax Description

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

Command Modes

- /exec

clear ip igmp snooping event-history

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

Syntax Description

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

Command Modes

- /exec

clear ip igmp snooping explicit-tracking vlan

clear ip igmp snooping explicit-tracking vlan *vlan-id*

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/BD
<i>vlan-id</i>	Type: vlan Specify VLAN/BD

Command Modes

- /exec

clear ip igmp snooping groups

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

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

Command Modes • /exec

clear ip igmp snooping proxy querier ports vlan

```
clear ip igmp snooping proxy querier ports vlan vlan-id if-name [purge]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping
snooping	Clear IGMP Snooping
proxy	Clear IGMP snooping proxy
querier	Clear IGMP snooping proxy querier
ports	Clear IGMP snooping proxy querier ports
vlan	Clear for a specific vlan
<i>vlan-id</i>	Type: vlan Specify the VLAN/BD number
<i>if-name</i>	Type: interface Interface name to clear
purge	Remove port from priority list

Command Modes

- /exec

clear ip igmp snooping statistics

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

Syntax Description

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

Command Modes

- /exec

clear ip igmp snooping statistics vlan

```
clear ip igmp snooping statistics vlan {vlan-id|all}
```

Syntax Description

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

Command Modes

- /exec

clear ip igmp snooping vpc peer-link-exclude vlan

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

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

Command Modes • /exec

clear ip interface statistics

```
clear ip interface statistics [interface]
```

Syntax Description

clear Reset functions

ip Clear IP commands

interface Clear IP related interface information

statistics Clear IP interface statistics

interface Type: interface

Clear IP statistics for interface

Command Modes

• /exec

clear ip lisp data-cache

```
clear ip lisp data-cache [eid] [vrf {vrf-namevrf-known-name}]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
lisp	LISP clear commands <i>Not available in this release.</i>
data-cache	Clear EID-to-RLOC data cache mapping in this ITR
eid	Type: ipaddr Clear mapping for IP destination EID
vrf	Display per-VRF information
vrf-name	Type: vrf pattern: [-a-zA-Z0-9_ ;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
vrf-known-name	Type: vrf Known VRF name

Command Modes

- /exec

clear ip mfw event-history

```
clear ip mfw event-history [mfw-event-hist-buf-name]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
mfw	Clear MCASTFWD related information
event-history	Clear event-history buffers
<i>mfw-event-hist-buf-name</i>	Type: string Event hist buffer name

Command Modes

- /exec

clear ip mroute

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

Syntax Description		
clear		Reset functions
ip		Clear IP commands
mroute		Clear multicast routing table
<all>		Clear all routes
<i>group-prefix</i>	Type: ipprefix	Clear all routes within the Group prefix
<i>group</i>	Type: ipaddr	Clear all routes matching the Group
<i>source</i>	Type: ipaddr	Clear a (S,G) route
shared-tree		Clear the (*,G) route associated with the group
source-tree		Clear all (S,G) routes associated with the group
vrf		Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32	VRF name
<i>vrf-known-name</i>	Type: vrf	Known VRF name
all		Display information for all VRFs

Command Modes

- /exec

clear ip mroute statistics

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
mroute	Clear multicast routing table
statistics	Clear statistics of multicast route
<all>	Clear all routes
<i>group-prefix</i>	Type: ipprefix Clear all routes within the Group prefix
<i>group</i>	Type: ipaddr Clear all routes matching the Group
<i>source</i>	Type: ipaddr Clear a (S,G) route
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear ip msdp

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP clear commands
sa-cache	Clear contents of SA cache
route	Clear contents of SA cache
<all>	Clear all routes
<i>group-prefix</i>	Type: ipprefix Clear all routes within the Group prefix
<i>group</i>	Type: ipaddr Clear all routes matching the Group
<i>source</i>	Type: ipaddr Clear a (S,G) route
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

• /exec

clear ip msdp event-history

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

Syntax Description

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

Command Modes

• /exec

clear ip msdp peer

```
clear ip msdp peer peer-address [vrf {vrf-namevrf-known-name}]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP clear commands
peer	Clear MSDP peer connection
<i>peer-address</i>	Type: ipaddr IP address of MSDP peer
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_ ;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec

clear ip msdp policy statistics sa-policy

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP global configuration commands
policy	Policy information
statistics	Policy statistics
sa-policy	Configured SA policy for MSDP peer
<i>peer-address</i>	Type: ipaddr IP address of MSDP peer for SA policy
in	Input policy
out	Output policy
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec

clear ip msdp statistics

```
clear ip msdp statistics [peer-address] [vrf {vrf-namevrf-known-name}]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP clear commands
statistics	Clear statistics for peers
<i>peer-address</i>	Type: ipaddr IP address of MSDP peer
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_ ;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec

clear ip ospf database

clear ip ospf [*tag*] **database**

Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
database	Clear the LSDB and all neighbors

Command Modes

- /exec

clear ip ospf event-history

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

Syntax Description

clear	Reset functions
ip	IP events
ospf	Debug OSPF events
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
event-history	Clear the event history buffers
adjacency	Adjacency formation logs
event	Internal event logs
ha	HA and GR logs
flooding	LSA flooding logs
lsa	LSA generation and database logs
spf	SPF calculation logs
redistribution	Redistribution logs
cli	Cli logs
ldp	LDP related logs
te	MPLS TE related logs
rib	RIB related logs
hello	HELLO related logs
spf-trigger	SPF TRIGGER related logs
all	All event history buffers

clear ip ospf event-history

Command Modes

- /exec

clear ip ospf event-history detail

```
clear ip ospf [tag] event-history detail
```

Syntax Description

clear	Reset functions
ip	IP events
ospf	Debug OSPF events
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
event-history	Clear the event history buffer
detail	Detailed event history buffer

Command Modes

- /exec

clear ip ospf interface

```
clear ip ospf [tag] interface {*interface}
```

Syntax Description

clear Reset functions

ip Clear IP commands

ospf Clear OSPF tables

tag Type: string

pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]*

antipattern: adjacency | all | border-routers | database | database-timers | events | flooding | graceful-restart | hello | interface | internal | lsa-content-changed-list | lsa-generation | memory | mpls | neighbor | neighbors | packets | policy | redist | request-list | retransmission | retransmission-list | route | spf | spf-trigger | statistics | summary-address | traffic | virtual-links | vrf

length: 20

Process tag

interface Clear one or more interfaces

***** Clear all interfaces

interface Type: interface

Interface to clear

Command Modes

• /exec

clear ip ospf neighbor

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redistrib request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
neighbor	Clear one or more neighbors
*	Clear all neighbors
<i>neighborid</i>	Type: ipaddr Source IP address, or router ID of the neighbor
<i>interface</i>	Type: interface Interface to clear all neighbors on

Command Modes

• /exec

clear ip ospf policy statistics

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

Syntax Description	
clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	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>	Type: asn 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>	Type: ipaddr 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

Command Modes

- /exec

clear ip ospf redistribution

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
redistribution	Clear OSPF route redistribution

Command Modes

- /exec

clear ip ospf statistics

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redistrib request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
statistics	Clear event counters

Command Modes

- /exec

clear ip ospf traffic

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
traffic	Clear packet counters
<i>interface</i>	Type: interface Interface to clear all traffic on

Command Modes

- /exec

clear ip pim event-history

```
clear ip pim event-history [pim-event-hist-buf-name]
```

Syntax Description		
	clear	Reset functions
	ip	Clear IP commands
	pim	PIM clear commands
	event-history	Clear event history buffers
	<i>pim-event-hist-buf-name</i>	Type: string Event history buffer instance
Command Modes		• /exec

clear ip pim interface statistics

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	Clear PIM information
interface	Interface related information
statistics	Packet interface counter statistics
<i>interface</i>	Type: interface Interface name to clear
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear ip pim policy statistics (pim)

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
register-policy	Show statistics for register-policy
bsr	Bootstrap protocol RP-distribution policy
bsr-policy	Statistics for BSR messages
rp-candidate-policy	Statistics for RP candidate messages
auto-rp	Statistics for auto-rp messages
rp-candidate-policy	Statistics for RP candidate messages
mapping-agent-policy	Statistics for mapping agent messages
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear ip pim policy statistics (pim)

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

Syntax Description

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

Command Modes

- /exec

clear ip pim route

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	PIM clear commands
route	Route information
<all>	Clear all routes
<i>group-prefix</i>	Type: <i>ipprefix</i> Clear all routes within the Group prefix
<i>group</i>	Type: <i>ipaddr</i> Clear all routes matching the Group
<i>source</i>	Type: <i>ipaddr</i> Clear a (S,G) route
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: <i>vrf</i> pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: <i>vrf</i> Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear ip pim statistics

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	Clear PIM information
statistics	Packet global counter statistics
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear ip rip policy statistics redistribute bgp eigrp

```
{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-namevrf-known-name|all}]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
rip	Routing Information Protocol (RIP)
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>as</i>	Type: asn Autonomous system number
isis	Intermediate-to-intermediate (ISIS)
ospf	Open Shortest Path First (OSPFv2)
<i>tag</i>	Type: string Process tag
static	Static routes
direct	Directly connected routes
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

clear ip rip policy statistics redistribute bgp eigrp

all Display information for all VRFs

Command Modes

• /exec

clear ip routing multicast event-history

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

Syntax Description

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

Command Modes

- /exec

clear ip rsvp authentication

clear ip rsvp authentication [*nbr-addr*]

Syntax Description

clear	Reset functions
ip	Clear IP commands
rsvp	Clear RSVP information
authentication	Clear security associations
<i>nbr-addr</i>	Type: ipaddr RSVP Neighbor address

Command Modes

- /exec

clear ip rsvp counters

```
clear ip rsvp counters [{teardown|authentication|all}]
```

Syntax Description

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

Command Modes

- /exec

clear ip rsvp hello instance counters

clear ip rsvp hello instance counters

Syntax Description

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

Command Modes

- /exec

clear ip rsvp reservation

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

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

Command Modes • /exec

clear ip rsvp sender

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

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

Command Modes

- /exec

clear ip rsvp signalling

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

Syntax Description		
	clear	Reset functions
	ip	Clear IP commands
	rsvp	Clear RSVP information
	signalling	Configure RSVP Signalling information
	rate-limit	Clear rate-limit counters
	refresh-reduction	Clear refresh-reduction counters

Command Modes • /exec

clear ip stats

clear ip stats

Syntax Description

clear Reset functions

ip Clear IP commands

stats Clear IP internal stats

Command Modes

• /exec

clear ip traffic

```
clear ip traffic [vrf {vrf-namevrf-known-name}]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
traffic	Clear IP global statistics
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec

clear ip vip

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

Syntax Description

clear	Reset functions
ip	Clear IP commands
vip	Clear virtual ip address
uuid	UUID of client
<i>uuid</i>	Type: uinteger UUID of client whose vips needs to be cleared
<i>vip-addr</i>	Type: ipaddr VIP in format A.B.C.D
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec

clear ip vrf (bgp)

```
{clear ip mbgp [vrf {vrf-namevrf-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-namevrf-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}|{vpn4|vpn6} unicast|all} {soft
[{in|out}]]dampened-paths|flap-statistics|no-notify}}]clear bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] {ipv4 {unicast|multicast}|ipv6
{unicast|multicast}|{vpn4|vpn6} unicast|2vpn 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-namevrf-known-name|ALL_VRFS_012345678901234}]
```

Syntax	Description
clear	Reset functions
ip	Clear IP commands
vrf	Virtual Router Context
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
ALL_VRFS_012345678901234	All VRFs
bgp	Clear BGP sessions
mbgp	Clear MBGP sessions
<i>neighbor-id</i>	Type: ipaddr IP address of the neighbor to clear
<i>ipv6-neighbor-id</i>	Type: ipv6addr IPv6 address of the neighbor to clear
<i>prefix-id</i>	Type: ipprefix Clear all neighbors matching the prefix

<i>ipv6-prefix-id</i>	Type: ipv6prefix Clear all neighbors matching the prefix
*	Clear all neighbors (Should be a * character)
<i>asn</i>	Type: asn Clear all neighbors in an AS
peer-template	Clear all neighbors in a peer-template
<i>peer-template-name</i>	Type: string length: 80 Peer-template name
soft	Soft reconfiguration
in	Clear soft reconfiguration inbound
out	Clear soft reconfiguration outbound
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpn4	Clear VPNv4 address-family <i>Not available in this release.</i>
vpn6	Clear VPNv6 address-family <i>Not available in this release.</i>
unicast	Clear unicast address-family
multicast	Clear multicast address-family
l2vpn	Display BGP information for L2VPN address family <i>Not available in this release.</i>
vpls	Display BGP information for L2VPN VPLS address family
all	Clear all address-families
dampened-paths	Clear dampened paths for neighbor
flap-statistics	Clear flap statistics for neighbor
no-notify	Clear without sending notification

Command Modes

- /exec

clear ip vrf (bgp)

```
{clear ip mbgp [vrf {vrf-namevrf-known-name|ALL_VRFS_012345678901234}] dampening
[{ip-prefix|ip-addr [ip-mask]}]|clear ip bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] dampening [{ip-prefix|ip-addr
[ip-mask]}]|clear ip bgp [vrf {vrf-namevrf-known-name|ALL_VRFS_012345678901234}] ipv4
{unicast|multicast} dampening [{ip-prefix|ip-addr [ip-mask]}]|clear ip bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] all dampening|clear bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] {ipv4 {unicast|multicast}|vpn4 unicast}
dampening [{ip-prefix|ip-addr [ip-mask]}]|clear bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] {ipv6 {unicast|multicast}|vpn6 unicast}
dampening [ipv6-prefix]|clear bgp [vrf {vrf-namevrf-known-name|ALL_VRFS_012345678901234}]
all dampening} [vrf {vrf-namevrf-known-name|ALL_VRFS_012345678901234}]
```

Syntax Description		
clear		Reset functions
ip		Clear IP commands
vrf		Virtual Router Context
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name	
<i>vrf-known-name</i>	Type: vrf Known VRF name	
ALL_VRFS_012345678901234	All VRFs	
bgp		Clear BGP sessions
mbgp		Clear MBGP sessions
dampening		Clear route flap dampening information
<i>ip-prefix</i>	Type: ipprefix Clear route flap dampening for prefix	
<i>ip-addr</i>	Type: ipaddr Clear route flap dampening for one network	
<i>ip-mask</i>	Type: ipaddr Network mask	

<i>ipv6-prefix</i>	Type: ipv6prefix Clear route flap dampening for IPv6 prefix
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpn4	Clear VPNv4 address-family <i>Not available in this release.</i>
vpn6	Clear VPNv6 address-family <i>Not available in this release.</i>
unicast	Clear unicast address-family
multicast	Clear multicast address-family
all	Clear all address-families

Command Modes

- /exec

clear ipv6

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

Syntax Description

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

Command Modes

- /exec

clear ipv6 adjacency no-ufdm

clear ipv6 adjacency [**vrf** {*vrf-name**vrf-known-name*}] {*ipv6-addr**} **no-ufdm**

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
adjacency	Clear Adjacency
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
<i>ipv6-addr</i>	Type: ipv6addr IPv6 source address
*	Delete all adjacency in this context
no-ufdm	Create inconsistency in adjacency

Command Modes

- /exec

clear ipv6 adjacency statistics

clear ipv6 adjacency statistics

Syntax Description

clear Reset functions

ipv6 Clear IPv6 commands

adjacency Clear Adjacency

statistics Clear Adjacency
Statistics

Command Modes

• /exec

clear ipv6 cache

```
clear ipv6 cache interface [intf]
```

Syntax Description

clear	Reset functions
ipv6	Configure IPv6 features
cache	Clear ipv6 cache
interface	Clear ipv6 interface information
<i>intf</i>	Type: interface Interface name to clear

Command Modes

- /exec

clear ipv6 dhcp relay statistics

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

Syntax Description

clear	Reset functions
ipv6	IPv6
dhcp	Clear State of DHCPv6 features
relay	Clear State of DHCPv6 relay stats
statistics	DHCPv6 Relay statistics
interface	input interface
<i>intf</i>	Type: interface interface
server-ip	Server address
<i>ip-addr-val</i>	Type: ipv6addr IPv6 relay address
use-vrf	Server address VRF membership
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf length: 32 VRF name
interface	Destination interface for the server address
<i>dest-interface</i>	Type: interface Destination interface

Command Modes

- /exec

clear ipv6 eigrp route-map statistics redistribute

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

Syntax	Description
clear	Reset functions
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
<i>eigrp-ptag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: accounting all fsm graceful-restart interface interfaces internal neighbor neighbors notifications packets prefix route route-map shutdown summary topology traffic transmit urib vrf vrf-events length: 20 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>	Type: asn 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>	Type: string Process tag
static	Static routes
direct	Directly connected
amt	AMT Anycast prefix
lisp	LISP EID-prefixes

Command Modes

- /exec

clear ipv6 icmp vpc-statistics

```
clear ipv6 icmp vpc-statistics
```

Syntax Description

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

Command Modes

- /exec

clear ipv6 interface statistics

```
clear ipv6 interface statistics [interface]
```

Syntax Description

clear Reset functions

ipv6 Clear IPv6 commands

interface Clear IPv6 related interface information

statistics Clear IPv6 interface statistics

interface Type: interface

Interface to clear statistics for

Command Modes

• /exec

clear ipv6 lisp data-cache

```
clear ipv6 lisp data-cache [eid6] [vrf {vrf-namevrf-known-name}]
```

Syntax Description

clear	Reset functions
ipv6	Configure IPv6 features
lisp	LISP clear commands <i>Not available in this release.</i>
data-cache	Clear EID-to-RLOC data cache mapping in this ITR
<i>eid6</i>	Type: ipaddr Clear mapping for IPv6 destination EID
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec

clear ipv6 mld

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

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
icmp	Clear ICMPv6 information
mld	Clear Multicast Listener Discovery information
groups	Route information
route	Route information
<all>	Clear all routes
<i>group-prefix</i>	Type: ipv6prefix Clear all routes within the Group prefix
<i>group</i>	Type: ipv6addr Clear all routes matching the Group
<i>source</i>	Type: ipv6addr Clear a (S,G) route
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_ ;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear ipv6 mtu

```
clear ipv6 mtu [ipv6-addr] [vrf {vrf-namevrf-known-name}]
```

Syntax Description

clear	Reset functions
ipv6	Display IPV6 information
mtu	Display IPV6 Path MTU Cache
<i>ipv6-addr</i>	Type: ipv6addr IPv6 address format: aaaa:bbbb:cccc:ddd:eeee:fff:gggg:hhhh, aaaa::bbbb
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec

clear ipv6 neighbor

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

Syntax Description		
clear		Reset functions
ipv6		Clear IPv6 commands
neighbor		Clear ICMPv6 neighbor cache
<i>intf</i>	Type: interface	Clear cache entries for given interface
<i>interface</i>	Type: interface	Clear cache entries for given interface
<i>nbr-addr</i>	Type: ipv6addr	IPv6 address format: aaaa:bbbb:cccc:dddd:eeee:ffff:gggg:hhhh, aaaa::bbbb
force-delete		Clear the cache entries without refresh
vrf		Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32	VRF name
<i>vrf-known-name</i>	Type: vrf	Known VRF name
all		Display information for all VRFs
Command Modes		• /exec

clear ipv6 netstack mroute

clear ipv6 netstack mroute {*allgroup-prefix*|*group* [*source*]} [**vrf** {*vrf-name**vrf-known-name*|**all**}]

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
netstack	Netstack's local cache
mroute	Multicast route information
<all>	Clear all routes
<i>group-prefix</i>	Type: ipv6prefix Clear all routes within the Group prefix
<i>group</i>	Type: ipv6addr Clear all sources matching the Group
<i>source</i>	Type: ipv6addr Clear a (S,G) route
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear ipv6 pim event-history

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

Syntax Description

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

Command Modes

- /exec

clear ipv6 pim interface statistics

```
clear ipv6 pim interface statistics [interface]
```

Syntax Description

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

Command Modes

- /exec

clear ipv6 pim policy statistics

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

Syntax Description

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

Command Modes

- /exec

clear ipv6 pim route

clear ipv6 pim route {*allgroup-prefix*|*group* [*source*]} [**vrf** {*vrf-name**vrf-known-name*|**all**}]

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	PIM6 clear commands
route	Route information
<all>	Clear all routes
<i>group-prefix</i>	Type: ipv6prefix Clear all routes within the Group prefix
<i>group</i>	Type: ipv6addr Clear all routes matching the Group
<i>source</i>	Type: ipv6addr Clear a (S,G) route
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear ipv6 pim statistics

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

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	Clear PIM6 information
statistics	Packet global counter statistics
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /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-namevrf-known-name|all}]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
rip	Routing Information Protocol (RIP)
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Type: asn Autonomous system number
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
isis	Intermediate-to-intermediate (ISIS)
ospfv3	Open Shortest Path First (OSPFv3)
<i>tag</i>	Type: string Process tag
static	Static routes
direct	Directly connected routes
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

all	Display information for all VRFs
------------	----------------------------------

Command Modes

- /exec

clear ipv6 statistics

clear ipv6 statistics

Syntax Description

clear Reset functions

ipv6 Clear IPv6 commands

statistics Clear IPv6 global statistics

Command Modes

• /exec

clear ipv6 traffic

```
clear ipv6 traffic [vrf {vrf-namevrf-known-name}]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
traffic	Clear IPv6 traffic statistics
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec

clear isis adjacency

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

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	Type: string pattern: [a-zA-Z0-9_-][a-zA-Z0-9_]* length: 20 Routing process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: string pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
adjacency	Clear IS-IS adjacency state
*	IS-IS adjacencies on all interfaces
<i>interface</i>	Type: interface IS-IS interface
system-id	Hostname or System ID
<i>sid</i>	Type: sid Hostname or System ID (in the form of XXXX.XXXX.XXXX)

Command Modes

• /exec

clear isis dpi

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

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	Type: string pattern: [a-zA-Z0-9_-][a-zA-Z0-9_-]* length: 20 Routing process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: string pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
dpi	Clear IS-IS DPI logs

Command Modes

- /exec

clear isis event-history

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

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	Type: string pattern: [a-zA-Z0-9_-][a-zA-Z0-9_-]* length: 20 Routing process tag
event-history	Clear event history buffers
<i>isis-event-hist-buf-name</i>	Type: string Clear the specific event history buffer

Command Modes

- /exec

clear isis ipv6 route-map statistics

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

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	Type: string pattern: [a-zA-Z0-9_-][a-zA-Z0-9_]* length: 20 Routing process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_:\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	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>	Type: integer min: 1 max: 65535 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>	Type: string Process tag
static	Static routes
direct	Directly connected
amt	AMT anycast prefix
lisp	LISP EID-prefixes
route-map	Route-map to constrain redistribution
distribute	Distribute routes between ISIS levels
into	from level-n into level-m
<i>src-level</i>	Route-distribution between levels level-1 value: 1 Inter-area routes from level-1 of this IS-IS instance level-2 value: 2 Inter-area routes from level-2 of this IS-IS instance
<i>dst-level</i>	Route-distribution between levels level-1 value: 1 Inter-area routes into level-1 of this IS-IS instance level-2 value: 2 Inter-area routes into level-2 of this IS-IS instance

Command Modes

• /exec

clear isis redistribution

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

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	Type: string pattern: [a-zA-Z0-9_-][a-zA-Z0-9_-]* length: 20 Routing process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: string pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
redistribution	Clear IS-IS redistributed information

Command Modes

- /exec

clear isis route-map statistics

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

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	Type: string pattern: [a-zA-Z0-9_-][a-zA-Z0-9_]* length: 20 Routing process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
ip	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>	Type: integer min: 1 max: 65535 Autonomous system number
<src-isis>	IS-IS Routing for IPv4

ospf	Open Shortest Path First (OSPF)
rip	RIP for IPv4
<i>tag</i>	Type: string Process tag
static	Static routes
direct	Directly connected
amt	AMT anycast prefix
lisp	LISP EID-prefixes
distribute	Distribute routes between ISIS levels
into	from level-n into level-m
<i>src-level</i>	Route-distribution between levels level-1 value: 1 Inter-area routes from level-1 of this IS-IS instance level-2 value: 2 Inter-area routes from level-2 of this IS-IS instance
<i>dst-level</i>	Route-distribution between levels level-1 value: 1 Inter-area routes into level-1 of this IS-IS instance level-2 value: 2 Inter-area routes into level-2 of this IS-IS instance

Command Modes

• /exec

clear isis spf-log

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

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	Type: string pattern: [a-zA-Z0-9_-][a-zA-Z0-9_]* length: 20 Routing process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: string pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
spf-log	Display IS-IS SPF information

Command Modes

- /exec

clear isis statistics

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

Syntax Description		
clear		Reset functions
isis		Clear IS-IS information
<i>isis-tag</i>	Type: string	
	pattern: [a-zA-Z0-9_-][a-zA-Z0-9_-]*	
	length: 20	
		Routing process tag
vrf		Display per-VRF information
<i>vrf-name</i>	Type: string	
	pattern: [-a-zA-Z0-9_-;#@]*	
	antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive	
	length: 32	
		VRF name
<i>vrf-known-name</i>	Type: vrf	
		Known VRF name
all		Display information for all VRFs
statistics		Clear IS-IS protocol statistics
*		All IS-IS protocol statistics
<i>interface</i>	Type: interface	
		IS-IS interface
Command Modes		• /exec

clear isis traffic

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

Syntax Description		
clear		Reset functions
isis		Clear IS-IS information
<i>isis-tag</i>	Type: string pattern: [a-zA-Z0-9_-][a-zA-Z0-9_]* length: 20	Routing process tag
vrf		Display per-VRF information
<i>vrf-name</i>	Type: string pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32	VRF name
<i>vrf-known-name</i>	Type: vrf	Known VRF name
all		Display information for all VRFs
traffic		Clear IS-IS traffic information
*		All IS-IS traffic information
<i>interface</i>	Type: interface	IS-IS interface
Command Modes		• /exec

clear l2dbg

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

Syntax Description

clear Clear

l2dbg L2 debug
databases

macdb L2 debug MACDB

portdb L2 debug
PORTDB

Command Modes

- /exec

clear l2protocol tunnel counters

```
clear l2protocol tunnel counters [interface intf-range]
```

Syntax Description

clear	Reset functions
l2protocol	Clear l2protocol counters
tunnel	Protocol Tunneling
counters	l2pt packet counters
interface	Interface or range of interfaces
<i>intf-range</i>	Type: interface-mrange Interface or range of interfaces

Command Modes

- /exec

clear l3vm event-history

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

Syntax Description

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

Command Modes

- /exec

clear lacp counters

```
clear lacp counters [interface if0]
```

Syntax Description

clear Reset functions

lacp LACP protocol

counters LACP counters

interface Specify a port-channel

if0 Type:
interface-mrange

Command Modes

- /exec

clear ldap-server statistics

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

Syntax	Description
clear	Reset functions
ldap-server	Clear LDAP related parameters
statistics	Clear LDAP statistics
<i>host0</i>	Type: string DNS name or IP address
__readonly__	
<i>server_state</i>	Show state of server alive value: 2 dead value: 1 not monitored value: 3
<i>clock_time</i>	Type: string Show clock time in terms of hours, minutes and seconds
monitoring_statistics	Monitoring Statistics
<i>time_in_pstate</i>	Type: string Time in previous state
<i>ndead</i>	Type: uinteger Number of times dead
<i>tt_in_dstate</i>	Type: string Total time in dead state
auth_statistics	Authentication Statistics
acct_statistics	Accounting Statistics
<i>auth_failed_transactions</i>	Type: uinteger Authentication: Failed transactions
<i>auth_succ_transactions</i>	Type: uinteger Authentication: Successful transactions

<i>auth_req_sent</i>	Type: uinteger Authentication: Requests sent
<i>auth_req_timedout</i>	Type: uinteger Authentication: Requests timedout
<i>auth_resp_no_match</i>	Type: uinteger Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	Type: uinteger Authentication: Responses not processed
<i>auth_resp_error</i>	Type: uinteger Authentication: Responses containing errors
<i>acct_failed_transactions</i>	Type: uinteger Accounting: Failed transactions
<i>acct_succ_transactions</i>	Type: uinteger Accounting: Successful transactions
<i>acct_req_sent</i>	Type: uinteger Accounting: Requests sent
<i>acct_req_timedout</i>	Type: uinteger Accounting: Requests timedout
<i>acct_resp_no_match</i>	Type: uinteger Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	Type: uinteger Accounting: Responses not processed
<i>acct_resp_error</i>	Type: uinteger Accounting: Responses containing errors

Command Modes

- /exec

clear license

```
clear license {license-file [force]|sproms0}
```

Syntax Description

clear Reset functions

license clear license

license-file Type: string

length: 30

License file to be uninstalled

force Force license clear (don't prompt)

sprom clear license contents in sprom

s0 Type: string

antipattern: all | nvram | setting | sprom

License file to be uninstalled

Command Modes

• /exec

clear line

clear line *s0*

Syntax Description

clear Reset functions

line Kill a session on particular vty

s0 Type: string

length: 64

Enter the vty name

Command Modes

• /exec

clear lldp counters

clear lldp counters

Syntax Description

clear Reset functions

lldp Reset the lldp counters

counters Reset the lldp traffic counters to zero

Command Modes

• /exec

clear lldp counters interface

```
clear lldp counters interface if0
```

Syntax Description

clear Reset functions

lldp Reset the lldp counters

counters Reset the lldp traffic counters to zero

interface Clear lldp traffic counters per interface

if0 Type: interface

Enter interface

Command Modes

• /exec

clear logging ip access-list cache

clear logging ip access-list cache

Syntax Description

clear Reset functions

logging Clear logging information

ip IP configuration

access-list Access-list

cache logging

Command Modes

• /exec

clear logging logfile

clear logging logfile

Syntax Description

clear Reset functions

logging Clear logging information

logfile Clear logfile messages

Command Modes

• /exec

clear logging nvram

clear logging nvram

Syntax Description

clear Reset functions

logging Clear logging information

nvram Clear nvram logs

Command Modes

• /exec

clear logging onboard

clear logging onboard

[{**card-boot-history**|**card-first-power-on**|**environmental-history**|**error-stats**|**exception-log**|**interrupt-stats**|**module**
module

[{**environmental-history**|**error-stats**|**exception-log**|**interrupt-stats**|**obfl-logs**|**stack-trace**|**card-boot-history**|**card-first-power-on**}|**obfl-logs**|**stack-trace**}]

Syntax Description

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

Command Modes

- /exec

clear mac address-table dynamic

clear mac address-table dynamic [{**address** *mac-addr*|**interface** *interface-name*}] [**multicast-entries** [**not-notified**]] [**vlan** *vlan-id*] [**instance** *instance*] [**__readonly__** *info_str*]

Syntax Description

clear	Clear
mac	MAC configuration commands
address-table	MAC Address Table
dynamic	clear dynamic entries from the Layer2 Forwarding Table
address	address
<i>mac-addr</i>	Type: ethernet MAC Address
interface	Interface
<i>interface-name</i>	Type: interface Interface name
vlan	VLAN
<i>vlan-id</i>	Type: vlan VLAN ID
instance	Eureka Instance
<i>instance</i>	Type: integer min: 1 max: 2 ASIC Instance Number
multicast-entries	clear all dynamically learnt multicast entries
not-notified	entries that exceed the hardware notification limit
__readonly__	
<i>info_str</i>	Type: string Information

Command Modes

• /exec

clear mac address-table dynamic interface peer-ip

```
clear mac address-table dynamic interface interface-name peer-ip peer_ipv4 [vlan vlan-id]
```

Syntax Description

clear	Clear
mac	MAC configuration commands
address-table	MAC Address Table
dynamic	clear dynamic entries from the Layer2 Forwarding Table
interface	Interface
<i>interface-name</i>	Type: interface Interface name
peer-ip	peer ip
<i>peer_ipv4</i>	Type: ipaddr peer ip
vlan	VLAN
<i>vlan-id</i>	Type: vlan VLAN ID

Command Modes

- /exec

clear mpls switching label statistics

clear mpls switching label statistics

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

Command Modes

• /exec

clear ntp session

clear ntp session

Syntax Description

clear Reset functions

ntp Network Time Protocol

session Clear the ntp configuration session

Command Modes

• /exec

clear ntp statistics

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

Syntax Description

clear Reset functions

ntp Network Time Protocol

statistics Clear NTP Statistics

all-peers Clear per-peer statistics counter of all peers

io Clear input-output statistics

local Clear counters maintained by the local NTP

memory Clear statistics counters related to memory code

Command Modes

• /exec

clear nvram

clear nvram

Syntax Description

clear Reset
functions

nvram purge
NVRAM

Command Modes

• /exec

clear onep error

`clear onep error`

Syntax Description

clear Reset functions

onep One Platform

error Clear the ONE-P error
buffer

Command Modes

• /exec

clear onep history

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

Syntax Description

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

clear onep session rate-limit

clear onep session rate-limit

Syntax Description

clear Reset functions

onep One Platform

session One Platform session

rate-limit rate limiting feature
info

clear onep statistics

```
clear onep statistics [session {allonep-session-id}]
```

Syntax Description

clear	Reset functions
onep	One Platform
statistics	statistics
session	One Platform session
all	All sessions
<i>onep-session-id</i>	Type: string Specific session name

Command Modes

- /exec

clear onep trace

clear onep trace

Syntax Description

clear Reset functions

onep One Platform

trace Clear the ONE-P trace
buffer

Command Modes

• /exec

clear ospfv3 database

clear ospfv3 [*tag*] [**vrf** {*vrf-name**vrf-known-name*|all}] **database** [**vrf** {*vrf-name**vrf-known-name*|all}]

Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
database	Clear the LSDB and all neighbors

Command Modes

- /exec

clear ospfv3 event-history

```
clear ospfv3 [tag] event-history
[ {adjacency|event|ha|flooding|lsa|spf|redistribution|cli|hello|spf-trigger|all} ]
```

Syntax Description	
clear	Reset functions
ospfv3	Debugging functions
tag	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
event-history	Clear the event history buffers
adjacency	Adjacency formation logs
event	Internal event logs
ha	HA and GR logs
flooding	LSA flooding logs
lsa	LSA generation and databse logs
spf	SPF calculation logs
redistribution	Redistribution logs
cli	Cli logs
hello	HELLO related logs
spf-trigger	SPF TRIGGER related logs
all	All event history buffers

Command Modes • /exec

clear ospfv3 event-history detail

clear ospfv3 [*tag*] **event-history detail**

Syntax Description

clear	Reset functions
ospfv3	Debugging functions
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
event-history	Clear the event history buffer
detail	Detailed event history buffer

Command Modes

- /exec

clear ospfv3 interface

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

Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
interface	Clear one or more interfaces
*	Clear all interfaces
<i>interface</i>	Type: interface Interface to clear

Command Modes

- /exec

clear ospfv3 neighbor

```
clear ospfv3 [tag] [vrf {vrf-namevrf-known-name|all}] neighbor {*neighboridinterface} [vrf
{vrf-namevrf-known-name|all}]
```

Syntax	Description
clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
neighbor	Clear one or more neighbors
*	Clear all neighbors
<i>neighborid</i>	Type: ipaddr Source IP address, or router ID of the neighbor
<i>interface</i>	Type: interface Interface to clear all neighbors on

Command Modes

- /exec

clear ospfv3 policy statistics

```
clear ospfv3 [tag] [vrf {vrf-namevrf-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-namevrf-known-name|all}]
```

Syntax Description

clear	Reset functions
ospfv3	Display OSPFv3 status and configuration
tag	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
vrf-name	Type: vrf pattern: [-a-zA-Z0-9_.;#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
vrf-known-name	Type: vrf Known VRF name
all	Display information for all VRFs
policy	Clear Policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
eigrp	Enhanced Interior Gateway Protocol (EIGRP)
rip	Routing Information Protocol (RIP)
isis	ISO Intermediate-to-Intermediate (IS-IS)
bgp	Border Gateway Protocol (BGP)

<i>as</i>	Type: asn Autonomous system number
static	Static
direct	Directly connected
amt	AMT anycast prefix
lisp	LISP EID-prefixes
area	Configure area properties
<i>area-id-ip</i>	Type: ipaddr 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

Command Modes

- /exec

clear ospfv3 redistribution

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

Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redistrib request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
redistribution	Clear OSPFv3 route redistribution

Command Modes

- /exec

clear ospfv3 statistics

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

Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redist request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf length: 20 Process tag
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs
statistics	Clear statistics counters

Command Modes

- /exec

clear ospfv3 traffic

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

Syntax Description		
clear		Reset functions
ospfv3		Clear OSPF tables
<i>tag</i>	Type: string	
	pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]*	
	antipattern: adjacency all border-routers database database-timers events flooding graceful-restart hello interface internal lsa-content-changed-list lsa-generation memory mpls neighbor neighbors packets policy redistrib request-list retransmission retransmission-list route spf spf-trigger statistics summary-address traffic virtual-links vrf	
	length: 20	
	Process tag	
vrf		Display per-VRF information
<i>vrf-name</i>	Type: vrf	
	pattern: [-a-zA-Z0-9_.;\$#@]*	
	antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive	
	length: 32	
	VRF name	
<i>vrf-known-name</i>	Type: vrf	
	Known VRF name	
all		Display information for all VRFs
traffic		Clear traffic counters
<i>interface</i>	Type: interface	
	Interface to clear all traffic on	

Command Modes • /exec

clear otv route

```
clear otv route [{vlan-idmac-address}]
```

Syntax Description

clear	Reset functions
otv	Clear OTV commands
route	OTV route or MAC address table
<i>vlan-id</i>	Type: vlan Vlan-ID
<i>mac-address</i>	Type: ethernet MAC Address

Command Modes

- /exec

clear pktmgr cache

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

Syntax Description

clear Reset functions

pktmgr Clear Packet Manager information

cache Clear pktmgr cache

interface Clear pktmgr related interface information

vlan Clear pktmgr related vlan information

intf Type: interface
Interface name to clear

vl Type: uinteger
min: 1 max: 4096 default: 1
Vlan

Command Modes

• /exec

clear pktmgr client

```
clear pktmgr client [uuid]
```

Syntax Description

clear Reset functions

pktmgr Clear Packet Manager information

client Clear pktmgr clients counters

uuid Type: uinteger

Clear pktmgr client counters for given uuid

Command Modes

• /exec

clear pktmgr interface

`clear pktmgr interface` [*interface*]

Syntax Description

clear Reset functions

pktmgr Clear Packet Manager information

interface Clear pktmgr related interface information

interface Type: interface

Interface name to display

Command Modes

• /exec

clear port-security dynamic address vlan

clear port-security dynamic address *mac-address* **vlan** *vlanid*

Syntax Description

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

Command Modes

• /exec

clear port-security dynamic interface

```
clear port-security dynamic interface if_index [vlan vlanid]
```

Syntax Description

clear	Reset functions
port-security	Clear port-security information
dynamic	dynamic addresses
interface	interface
<i>if_index</i>	Type: interface ethernet
vlan	vlan information
<i>vlanid</i>	Type: uinteger min: 1 max: 4094 vlan id. Enter a value between 1 and 4094

Command Modes

• /exec

clear port-security nvram

clear port-security nvram

Syntax Description

clear Reset functions

port-security Clear port-security information

nvram port-security nvram

Command Modes

• /exec

clear processes log all

clear processes log all

Syntax Description

clear Reset functions

processes process-related clear commands

log Delete log files

all Delete all the log files

Command Modes

• /exec

clear processes log all vdc-all

clear processes log all vdc-all

Syntax Description

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

Command Modes

• /exec

clear processes log archive

```
clear processes log archive [file s0]
```

Syntax Description

clear Reset functions

processes system manager spawned processes

log Delete log files

archive clear all process logs for this vdc from logflash on this module

file delete a log file on logflash

s0 Type: string

Name of file in directory 'log'

Command Modes

• /exec

clear processes log pid

`clear processes log pid i0`

Syntax Description

clear	Reset functions
processes	process-related clear commands
log	Delete log files
pid	Delete log file of a specific process
<i>i0</i>	Type: integer min: 1 max: 2147483647 pid of the process

Command Modes

- /exec

clear processes vdc log all

```
clear processes vdc e-vdc2 log all
```

Syntax Description

clear Reset functions

processes process-related clear commands

vdc process-related clear commands in vdc

e-vdc2 Type: userdef
 Enter Virtual Device Context <vdc-id>

log Delete log files

all Delete all the log files

Command Modes

- /exec

clear processes vdc log pid

```
clear processes vdc e-vdc2 log pid il
```

Syntax Description

clear	Reset functions
processes	process-related clear commands
vdc	process-related clear commands in vdc
<i>e-vdc2</i>	Type: userdef Enter Virtual Device Context <vdc-id>
log	Delete log files
pid	Delete log file of a specific process
<i>il</i>	Type: integer min: 1 max: 2147483647 pid of the process

Command Modes

- /exec

clear qos mpls-snmp

clear qos mpls-snmp

Syntax Description

clear Reset functions

qos QoS Global Commands

mpls-snmp MPLS default table-map & snmp indices in pss *Not available in this release.*

Command Modes

• /exec

clear qos policies

clear qos policies

Syntax Description

clear Reset functions

qos Clear qos information

policies Clear default policies *Not available in this release.*

Command Modes

• /exec

clear qos policies force

clear qos policies force

Syntax Description

clear Reset functions

qos Clear qos information

policies Clear default policies

force Clear forcefully

Command Modes

• /exec

clear qos statistics

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

Syntax Description

clear Reset functions

qos Clear policy information

statistics Clear statistics

interface Clear statistics on a interface

iface-list Type: interface-mrange
List of Interfaces

vlan 802.1Q vlan

vlan-list Type: integer-mrange
List of vlan ids

input Input Service policy

output Output Service policy

type Policy type

qos-or-q **qos value: 1**
qos policy
queuing value: 2
queuing policy

Command Modes

• /exec

clear radius-server statistics

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

Syntax Description

clear	Reset functions
radius-server	Clear RADIUS related parameters
statistics	Clear RADIUS statistics
<i>host0</i>	Type: string DNS name or IP address
__readonly__	
<i>server_state</i>	Show state of server alive value: 2 dead value: 1 not monitored value: 3
<i>clock_time</i>	Type: string Show clock time in terms of hours, minutes and seconds
monitoring_statistics	Monitoring Statistics
<i>time_in_pstate</i>	Type: string Time in previous state
<i>ndead</i>	Type: uinteger Number of times dead
<i>tt_in_dstate</i>	Type: string Total time in dead state
auth_statistics	Authentication Statistics
acct_statistics	Accounting Statistics
<i>auth_failed_transactions</i>	Type: uinteger Authentication: Failed transactions
<i>auth_succ_transactions</i>	Type: uinteger Authentication: Successful transactions

<i>auth_req_sent</i>	Type: uinteger Authentication: Requests sent
<i>auth_req_timedout</i>	Type: uinteger Authentication: Requests timedout
<i>auth_resp_no_match</i>	Type: uinteger Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	Type: uinteger Authentication: Responses not processed
<i>auth_resp_error</i>	Type: uinteger Authentication: Responses containing errors
<i>acct_failed_transactions</i>	Type: uinteger Accounting: Failed transactions
<i>acct_succ_transactions</i>	Type: uinteger Accounting: Successful transactions
<i>acct_req_sent</i>	Type: uinteger Accounting: Requests sent
<i>acct_req_timedout</i>	Type: uinteger Accounting: Requests timedout
<i>acct_resp_no_match</i>	Type: uinteger Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	Type: uinteger Accounting: Responses not processed
<i>acct_resp_error</i>	Type: uinteger Accounting: Responses containing errors

Command Modes

- /exec

clear radius session

clear radius session

Syntax Description

clear Reset functions

radius clear to be committed RADIUS config and lock in fabric

session clear to be committed RADIUS config and lock in fabric

Command Modes

• /exec

clear rip statistics

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

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
ip	Clear IP commands
rip	Routing Information Protocol (RIP)
statistics	Clear RIP statistics
*	RIP statistics for all interfaces
<i>interface</i>	Type: interface RIP interface
vrf	Display per-VRF information
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear rmon

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

Syntax Description

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

Command Modes

- /exec

clear route-map pbr-statistics

```
clear route-map {route-map-name|route-map-cfg-name} pbr-statistics
```

Syntax Description	clear	Reset functions
	route-map	Route-map used for PBR
	<i>route-map-name</i>	Type: string pattern: [!~]* length: 63 Route-map name
	<i>route-map-cfg-name</i>	Type: string Known route-map name
	pbr-statistics	Statistics for policy based routing

Command Modes • /exec

clear routing event-history

```
clear routing [{ip|ipv4}] [unicast] event-history {urib-event-histurib-event-hist-hid}
```

Syntax	Description
clear	Reset functions
routing	Clear routing information
ip	Clear IP commands
ipv4	Clear IP commands
unicast	Clear unicast information
event-history	Clear routing event log
<i>urib-event-hist</i>	Type: string Clear routing event log
<i>urib-event-hist-hid</i>	Type: string Clear routing event log

Command Modes

- /exec

clear routing ipv6 event-history

clear routing ipv6 [unicast] event-history {*ubrib-event-histu6rib-event-hist-hid*}

Syntax Description

clear	Reset functions
routing	Clear routing information
ipv6	Clear IPv6 commands
unicast	Clear unicast information
event-history	Clear routing event log
<i>ubrib-event-hist</i>	Type: string Clear routing event log
<i>u6rib-event-hist-hid</i>	Type: string Clear routing event log

Command Modes

- /exec

clear routing memstats

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

Syntax Description

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

Command Modes

- /exec

clear routing multicast

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

Syntax Description

clear	Reset functions
routing	Clear routing information
ip	Clear IP commands
ipv4	Clear IP commands
multicast	Clear multicast routing table
<all>	Clear all routes
<i>group-prefix</i>	Type: ipprefix Clear all routes within the Group prefix
<i>group</i>	Type: ipaddr Clear all routes matching Group
<i>source</i>	Type: ipaddr Clear a (S,G) route
vrf	Clear information for particular VRF
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
all	Display information for all VRFs

Command Modes

- /exec

clear rpm pss

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

Syntax Description

clear Reset functions

rpm Route Policy Manager (RPM)

pss Clear PSS related information

running Clear the running PSS commands configuration

startup Clear the startup PSS commands configuration

all Clear all PSS commands configurarion

Command Modes

• /exec

clear scheduler logfile

clear scheduler logfile

Syntax Description

clear Reset functions

scheduler Scheduler clear
 commands

logfile Clear scheduler log file

Command Modes

• /exec

clear screen

`clear screen`

Syntax Description

`clear` Reset functions

`screen` Clear screen

Command Modes

• /exec

clear session state name

`clear session state name s4`

Syntax Description

clear Reset functions

session Reset config session internals

state Reset config session internal state

name Reset config session internal state for a given name

s4 Type: string

length: 64

Enter the name of the session

Command Modes

• /exec

clear snmp counters

clear snmp counters

Syntax Description

clear Reset functions

snmp Clear SNMP Tables

counters Clear SNMP
counters

Command Modes

• /exec

clear snmp hostconfig

clear snmp hostconfig

Syntax Description

clear Reset functions

snmp Clear SNMP Tables

hostconfig Clear SNMP Host
List

Command Modes

• /exec

clear sockets statistics

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

Syntax Description

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

Command Modes

- /exec

clear spanning-tree counters

clear spanning-tree counters [{**interface** *interface-id*|**vlan** *vlan-id*}]

Syntax Description

clear	Reset functions
spanning-tree	Spanning Tree Subsystem
counters	Clear spanning tree statistics
interface	Specify an interface as a target for the command
<i>interface-id</i>	Type: interface Specify an interface as a target for the command
vlan	VLAN Switch Spanning Trees
<i>vlan-id</i>	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11

Command Modes

• /exec

clear spanning-tree detected-protocols

```
clear spanning-tree detected-protocols [interface interface-id]
```

Syntax Description

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

Command Modes

- /exec

clear spanning-tree sps-hist

clear spanning-tree sps-hist

Syntax Description

clear Reset functions

spanning-tree Spanning Tree Subsystem

sps-hist Set port state stats

Command Modes

• /exec

clear ssh hosts

`clear ssh hosts`

Syntax Description

clear Reset functions

ssh Clear ssh values

hosts Clear the list of trusted ssh hosts

Command Modes

• /exec

clear system reset-reason

clear system reset-reason

Syntax Description

clear Reset functions

system Clear logs in system

reset-reason Clear reset-reason logs in the system

Command Modes

• /exec

clear system reset-reason history

clear system reset-reason history

Syntax Description	clear	Reset functions
	system	Clear logs in system
	reset-reason	Clear reset-reason logs in the system
	history	Clear reset-reason history logs in the system
Command Modes	• /exec	

clear tacacs-server statistics

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

Syntax Description

clear	Reset functions
tacacs-server	Clear TACACS related parameters
statistics	Clear TACACS statistics
<i>host0</i>	Type: string DNS name or IP address
__readonly__	
<i>server_state</i>	Show state of server alive value: 2 dead value: 1 not monitored value: 3
<i>clock_time</i>	Type: string Show clock time in terms of hours, minutes and seconds
monitoring_statistics	Monitoring Statistics
<i>time_in_pstate</i>	Type: string Time in previous state
<i>ndead</i>	Type: uinteger Number of times dead
<i>tt_in_dstate</i>	Type: string Total time in dead state
auth_statistics	Authentication Statistics
autho_statistics	Authorization Statistics
acct_statistics	Accounting Statistics
<i>auth_failed_transactions</i>	Type: uinteger Authentication: Failed transactions

<i>auth_succ_transactions</i>	Type: uinteger Authentication: Successful transactions
<i>auth_req_sent</i>	Type: uinteger Authentication: Requests sent
<i>auth_req_timedout</i>	Type: uinteger Authentication: Requests timedout
<i>auth_resp_no_match</i>	Type: uinteger Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	Type: uinteger Authentication: Responses not processed
<i>auth_resp_error</i>	Type: uinteger Authentication: Responses containing errors
<i>autho_failed_transactions</i>	Type: uinteger Authorization: Failed transactions
<i>autho_succ_transactions</i>	Type: uinteger Authorization: Successful transactions
<i>autho_req_sent</i>	Type: uinteger Authorization: Requests sent
<i>autho_req_timedout</i>	Type: uinteger Authorization: Requests timedout
<i>autho_resp_no_match</i>	Type: uinteger Authorization: Responses with no matching requests
<i>autho_resp_not_processed</i>	Type: uinteger Authorization: Responses not processed
<i>autho_resp_error</i>	Type: uinteger Authorization: Responses containing errors
<i>acct_failed_transactions</i>	Type: uinteger Accounting: Failed transactions
<i>acct_succ_transactions</i>	Type: uinteger Accounting: Successful transactions

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

Command Modes

- /exec

clear tech-support lock (syscli)

clear tech-support lock

Syntax Description

clear Reset functions

tech-support Gather information for troubleshooting

lock Clear the lock which prohibits multiple show techs to run in parallel

Command Modes

• /exec

clear tech-support lock (syscli)

clear tech-support lock

Syntax Description

clear Reset functions

tech-support Gather information for troubleshooting

lock Clear the lock which prohibits multiple show techs to run in parallel

Command Modes

• /exec

clear user

`clear user s0`

Syntax Description

clear Reset functions

user Logout a particular user

s0 Type: string

length: 28

Enter the username

Command Modes

• /exec

clear veobc counters

clear veobc counters

Syntax Description

clear Reset function

veobc Reset the veobc counters

counters Reset the veobc statistic counters to zero

Command Modes

• /exec

clear vlan access-list counters

```
clear vlan access-list counters [name]
```

Syntax Description

clear	Reset functions
vlan	Vlan commands
access-list	Clear access list statistical information
counters	Clear access list counters
<i>name</i>	Type: string length: 64 List name

Command Modes

- /exec

clear vlan counters

```
clear vlan [id vlan-id] counters
```

Syntax Description

clear Reset functions

vlan Vlan commands

id clear VLAN counters by VLAN id

vlan-id Type: vlan-mrange

VLAN ID 1-3967 or range(s): 1-5, 10 or 2-5,7-19

counters display counters

Command Modes

• /exec

clear vpc statistics

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

Syntax Description

clear Reset functions

vpc Statistics for a specific vPC

statistics Statistics

vpc_num Type: integer
min: 1 max: 4096
Virtual Port Channel
number

peer-link stats for peer-link

Command Modes

- /exec

clear vpc statistics all

clear vpc statistics all

Syntax Description

clear Reset functions

vpc Virtual Port Channel configuration

statistics Statistics

all All vPC statistics

Command Modes

• /exec

clear vpc statistics peer-keepalive

```
clear vpc statistics peer-keepalive
```

Syntax Description

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

Command Modes

- /exec

clear vpc transport statistics

`clear vpc transport statistics` [`__readonly__` *last-clear-time*]

Syntax Description

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

Command Modes

- /exec/

clear vrf

```
{clear ip mbgp [vrf {vrf-namevrf-known-name|ALL_VRFS_012345678901234}] flap-statistics
[{{ip-prefix|ip-addr [ip-mask}}]|clear ip bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] flap-statistics [{{ip-prefix|ip-addr
[ip-mask}}]|clear ip bgp [vrf {vrf-namevrf-known-name|ALL_VRFS_012345678901234}] ipv4
{unicast|multicast} flap-statistics [{{ip-prefix|ip-addr [ip-mask}}]|clear ip bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] all flap-statistics|clear bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] {ipv4 {unicast|multicast}|vpn4 unicast}
flap-statistics [{{ip-prefix|ip-addr [ip-mask}}|regexp regexp-str}}]|clear bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] {ipv6 {unicast|multicast}|vpn6 unicast}
flap-statistics [{{ipv6-prefix|regexp regexp-str}}]|clear bgp [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}] all flap-statistics} [vrf
{vrf-namevrf-known-name|ALL_VRFS_012345678901234}]
```

Syntax Description

clear	Reset functions
vrf	Virtual Router Context
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_.;\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name
ALL_VRFS_012345678901234	All VRFs
ip	Clear IP commands
bgp	Clear BGP sessions
mbgp	Clear MBGP sessions
flap-statistics	Clear flap statistics
<i>ip-prefix</i>	Type: ipprefix Clear flap statistics for one prefix
<i>ipv6-prefix</i>	Type: ipv6prefix Clear flap statistics for one IPv6 prefix
<i>ip-addr</i>	Type: ipaddr Clear flap statistics for one network

<i>ip-mask</i>	Type: ipaddr Network mask
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpn4	Clear VPNv4 address-family <i>Not available in this release.</i>
vpn6	Clear VPNv6 address-family <i>Not available in this release.</i>
unicast	Clear unicast address-family
multicast	Clear multicast address-family
all	Clear all address-families
regex	Clear flap statistics for routes matching the regular expression
<i>regex-str</i>	Type: string Regular expression to match the AS paths

Command Modes

- /exec

clear vrrp statistics

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

Syntax Description

clear	Reset functions
vrrp	Clear virtual router
statistics	Clear global virtual router statistics
interface	Select interface
<i>intf_num</i>	Type: interface
vr	[1-255] clear virtual router statistics
<i>vr_id</i>	Type: integer min: 1 max: 255

Command Modes

• /exec

clear vtp counters

clear vtp counters

Syntax Description

clear Reset functions

vtp Clear VTP items

counters Clear VTP
counters

Command Modes

• /exec

clear xl

clear xl

Syntax Description

clear Reset
functions

xl

Command Modes

• /exec

cli alias name

cli alias name *s0 line* | **no cli alias name** *s0 [line]*

Syntax Description

no Negate a command or set its defaults

cli Configure CLI commands

alias Define an alias

name Specify the alias

s0 Type: string

length: 30

Alias command

line Type: remainder

Alias definition

Command Modes

• /exec/configure

cli no var name

cli no var name *s0*

Syntax Description

cli CLI commands

no Negate a command or set its defaults

var Unset a variable

name Specify a variable name

s0 Type: string

length: 31

Variable name

Command Modes

• /exec

cli reload parsetree

cli reload parsetree

Command Modes

• /exec

cli show running-config local

cli show running-config local

Command Modes

• /exec

cli var name (vsh_root)

cli var name *s0 line*

Syntax Description

cli CLI commands

var Define a variable

name Specify a variable name

s0 Type: string

length: 31

Variable name

line Type: remainder

Variable value

Command Modes

• /exec

cli var name (vshd)

`cli var name s0 line|no cli var name s0 [line]`

Syntax	Description
no	Negate a command or set its defaults
cli	Configure CLI commands
var	Define a variable
name	Specify a variable name
<i>s0</i>	Type: string length: 31 Variable name
<i>line</i>	Type: remainder Variable value
Command Modes	• /exec/configure

cli verifyrun

[no] cli verifyrun

Syntax Description	no	Negate a command or set its defaults
	cli	CLI commands
	verifyrun	Verify and run

Command Modes • /exec

client-to-client reflection

[no] **client-to-client reflection**

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

Command Modes

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

clock format

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

Syntax Description	no	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 Modes		• /exec/configure

clock format show-timezone syslog

[no] clock format show-timezone syslog

Syntax Description		
	no	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 Modes • /exec/configure

clock protocol vdc

[no] clock protocol {ntp|none} vdc *vdc-id*

Syntax Description

no Negate a command or set its defaults

clock Clock

protocol protocol

ntp ntp

none none (clock can be set manually)

vdc vdc

vdc-id Type: integer

vdc-id

Command Modes

- /exec/configure

clock set

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

Syntax	Description
clock	Clock
set	HH:MM:SS Current Time
<i>s0</i>	Type: string length: 8 HH:MM:SS Current Time
<i>i0</i>	Type: integer-range Day of the month
April	Month of the year
<i>i1</i>	Type: integer-range Enter the year (no abbreviation)
August	Month of the year
<i>i2</i>	Type: integer-range Enter the year (no abbreviation)
December	Month of the year
<i>i3</i>	Type: integer-range Enter the year (no abbreviation)
February	Month of the year
<i>i4</i>	Type: integer-range Enter the year (no abbreviation)
January	Month of the year
<i>i5</i>	Type: integer-range enter the year (no abbreviation)
July	Month of the year
<i>i6</i>	Type: integer-range Enter the year (no abbreviation)
June	Month of the year

<i>i7</i>	Type: integer-range Enter the year (no abbreviation)
March	Month of the year
<i>i8</i>	Type: integer-range Enter the year (no abbreviation)
May	Month of the year
<i>i9</i>	Type: integer-range Enter the year (no abbreviation)
November	Month of the year
<i>i10</i>	Type: integer-range Enter the year (no abbreviation)
October	Month of the year
<i>i11</i>	Type: integer-range Enter the year (no abbreviation)
September	Month of the year
<i>i12</i>	Type: integer-range Enter the year (no abbreviation)

Command Modes

- /exec

clock summer-time

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

Syntax Description

no	Negate a command or set its defaults
clock	Clock
summer-time	Configure summer (daylight savings) time
<i>s0</i>	Type: string length: 8 Name of time zone in summer, such as PDT, CDT, EDT, etc..
<i>i0</i>	Type: integer min: 1 max: 5 Week number to start (first week=1, last week=5)
<i>s1</i>	Type: string length: 9 Weekday to start
<i>s2</i>	Type: string length: 9 Month to start
<i>s3</i>	Type: string length: 5 HH:MM Time to start
<i>i1</i>	Type: integer min: 1 max: 5 Week number to end (first week=1, last week=5)
<i>s4</i>	Type: string length: 9 Weekday to end
<i>s5</i>	Type: string length: 9 Month to end

<i>s6</i>	Type: string length: 5 HH:MM Time to end
<i>i2</i>	Type: integer min: 1 max: 120 Offset to add in minutes
timezone	Configure time zone
<i>s7</i>	Type: string length: 8 Name of time zone, such as PST, MST, CST, EST, etc..
<i>i3</i>	Type: integer min: 12 max: 14 Hours offset from UTC
<i>i4</i>	Type: integer min: 0 max: 59 Minutes offset from UTC

Command Modes

- /exec/configure

clock sync-interval

[no] clock sync-interval *intv*

Syntax Description	no	Negate a command or set its defaults
	clock	Clock
	sync-interval	sync-interval in seconds
	<i>intv</i>	Type: uinteger min: 15 max: 90 interval
Command Modes	• /exec/configure	

cluster-id

[no] **cluster-id** {*ip-cluster-id*|*int-cluster-id*}

Syntax Description

no Negate a command or set its defaults

cluster-id Configure Route Reflector Cluster-ID

ip-cluster-id Type: ipaddr
Cluster-id as an IP address

int-cluster-id Type: uinteger
min: 1 max: 4294967295
Cluster-id as a 32 bit quantity

Command Modes

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

commit

commit

Syntax Description	commit Commit the current configuration session
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Command Modes	• /exec/configure
----------------------	-------------------

commit verbose

commit verbose

Syntax Description

commit Commit the current configuration session

verbose Commit the current configuration session with more details

Command Modes

• /exec/configure

compress-bitfields ipv6 multicast

[no] compress-bitfields ipv6 multicast

Syntax Description	no	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 Modes	• /exec/configure	

compress-bitfields multicast

[no] compress-bitfields [ipv4] multicast

Syntax Description

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

Command Modes

- /exec/configure

confederation identifier

[no] **confederation identifier** *confed-id*

Syntax Description	no	Negate a command or set its defaults
	confederation	AS confederation parameters
	identifier	Set routing domain confederation AS
	<i>confed-id</i>	Type: asn AS number
Command Modes		• /exec/configure/router-bgp/vrf-cmds

confederation peers

[no] **confederation peers** *confed-id*

Syntax Description	no	Negate a command or set its defaults
	confederation	AS confederation parameters
	peers	Peer ASs in BGP confederation
	<i>confed-id</i>	Type: asn AS number

Command Modes • /exec/configure/router-bgp/vrf-cmds

configure

configure [**terminal**]

Syntax Description

configure Enter configuration mode

terminal Configure the system from terminal input

Command Modes

• /exec

configure session

configure session *s0*

Syntax Description

configure Enter configuration mode

session Configure the system in a session

s0 Type: string

pattern: [a-zA-Z0-9_][a-zA-Z0-9_]*

length: 64

Enter the name of the session

Command Modes

- /exec

congestion-control ecn

[no] congestion-control ecn

Syntax Description

no Negate a command or set its defaults

congestion-control Congestion Control Protocol *Not available in this release.*

ecn Enable ECN protocol

Command Modes

• /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}
```

Syntax Description

no	Negate a command or set its defaults
congestion-control	Congestion Control Protocol <i>Not available in this release.</i>
random-detect	Enable WRED protocol <i>Not available in this release.</i>
threshold	Threshold
minimum-threshold	Minimum Threshold
<i>min-thresh</i>	Type: long Minimum Threshold Value
maximum-threshold	Maximum Threshold
<i>max-thresh</i>	Type: long Minimum Threshold Value
burst-optimized	Threshold optimized for bursty traffic
mesh-optimized	Threshold optimized for mesh traffic
drop-probability	Drop Probability at Maximum Threshold
<i>drop-prob</i>	Type: integer min: 1 max: 100 Drop Probability Value
packets	Packets
bytes	Bytes
kbytes	Kilo Bytes
mbytes	Mega Bytes
packets1	Packets
bytes1	Bytes
kbytes1	Kilo Bytes
mbytes1	Mega Bytes

Command Modes

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

congestion-control tail-drop

[no] congestion-control tail-drop [threshold {burst-optimized|mesh-optimized}]

Syntax Description

no	Negate a command or set its defaults
congestion-control	Congestion Control Protocol <i>Not available in this release.</i>
tail-drop	Enable Tail-Drop <i>Not available in this release.</i>
threshold	Threshold
burst-optimized	Threshold optimized for bursty traffic
mesh-optimized	Threshold optimized for mesh traffic

Command Modes

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

continue

continue *seq*|**no continue** [*seq*]

Syntax Description

no Negate a command or set its defaults

continue Continue on a different entry within the route-map

seq Type: integer
min: 0 max: 65535
Route-map entry sequence number

Command Modes

- /exec/configure/route-map

contract-id

contract-id *s0*|**no** **contract-id**

Syntax Description

no Negate a command or set its defaults

contract-id Service contract id of the customer

s0 Type: string

length: 255

Provide contract number (as specified in the service agreement)

Command Modes

- /exec/configure/callhome

control-plane

control-plane

Syntax Description	control-plane Enter to control-plane sub-mode
---------------------------	--

Command Modes	• /exec/configure
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copp copy profile

copp copy profile *profile_type* {**prefix**|**suffix**} *user_string*

Syntax Description

copp	Control-Plane Policing
copy	Make a copy of the CoPP Profile
profile	CoPP Profile
<i>profile_type</i>	CoPP Profile Types strict value: 1 The Strict Profile moderate value: 2 The Moderate Profile lenient value: 3 The Lenient Profile dense value: 4 The Dense Profile
prefix	prefix for the copied policy
suffix	suffix for the copied policy
<i>user_string</i>	Type: string pattern: [a-zA-Z0-9_-][a-zA-Z0-9_-]* length: 20 Enter prefix/suffix for the copied policy

Command Modes

• /exec

copp distributed-policing enable

[no] copp distributed-policing enable

Syntax Description	no	Negate a command or set its defaults
	copp	Control-Plane Policing
	distributed-policing	distributed policer <i>Not available in this release.</i>
	enable	enable distributed policing

Command Modes • /exec/configure

copp profile

copp profile *profile_type*

Syntax Description

copp	Control-Plane Policing
profile	CoPP Profile
<i>profile_type</i>	CoPP Profile Types
strict value: 1	The Strict Profile
moderate value: 2	The Moderate Profile
lenient value: 3	The Lenient Profile
dense value: 4	The Dense Profile

Command Modes

- /exec/configure

copy (uri_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}}
```

Syntax Description	copy	Copy from one file to another
<i>src_local</i>	Type: uri Select source filesystem	
<i>src_core</i>	Type: uri Select source filesystem	
<i>dest_local</i>	Type: uri Select destination filesystem	
<i>dest_local_core</i>	Type: uri Select destination filesystem	
<i>dest_local_config</i>	Type: uri 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	
echo-commands	Echo the commands before applying them (to correlate errors)	
stop-at-first-failure	Stop at first error	
fabric	Copy from source to fabric startup configuration	

Command Modes • /exec

copy (uri_copy)

```
copy {src_local dest_remote [vrf vrf-known-name]}src_remote {dest_local|running-config
[echo-commands] [stop-at-first-failure]|startup-config} [vrf vrf-known-name]|src_core dest_remote
[vrf vrf-known-name]|running-config-src dest_remote [vrf vrf-known-name]|startup-config-src
dest_remote [vrf vrf-known-name]}
```

Syntax Description	copy	Copy from one file to another
<i>src_local</i>	Type: uri Select source filesystem	
<i>src_core</i>	Type: uri Select source filesystem	
<i>dest_local</i>	Type: uri Select destination filesystem	
<i>dest_remote</i>	Type: uri Select destination filesystem	
<i>src_remote</i>	Type: uri Select source filesystem	
vrf	Display per-VRF information	
<i>vrf-known-name</i>	Type: vrf 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	Echo the commands before applying them (to correlate errors)	
stop-at-first-failure	Stop at first error	

Command Modes

- /exec

copy licenses

`copy licenses uri0`

Syntax Description

copy Copy from one file to another

licenses Backup license files

uri0 Type: uri

Specify URL (with .tar extension) for backing up license files

Command Modes

• /exec

copy vdc-all (uri_copy)

```
copy {running-config-src {startup-configdest_local_config}|startup-config-src
{running-configdest_local_config}} vdc-all
```

Syntax Description		
copy		Copy from one file to another
<i>dest_local_config</i>	Type: uri	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 Modes • /exec

copy vdc-all (uri_copy)

```
copy {running-config-src dest_remote [vrf vrf-known-name]|startup-config-src dest_remote [vrf
vrf-known-name]} vdc-all
```

Syntax	Description
copy	Copy from one file to another
<i>dest_remote</i>	Type: uri Select destination filesystem
vrf	Display per-VRF information
<i>vrf-known-name</i>	Type: vrf Known VRF name
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 Modes	• /exec

core-on-no-memory (ospf)

[no] core-on-no-memory

Syntax Description

no Negate a command or set its defaults

core-on-no-memory Generate core dump on memory allocation failure

Command Modes

• /exec/configure/router-ospf

core-on-no-memory (ospfv3)

[no] core-on-no-memory

Syntax Description

no Negate a command or set its defaults

core-on-no-memory Generate core dump on memory allocation failure

Command Modes

- /exec/configure/router-ospf3
- /exec/configure/router-ospf3/vrf

cost

cost *cost* | **no cost** [*cost*]

Syntax Description

no Negate a command or set its defaults

~~**cost**~~ Cost associated with interface

cost Type: integer

min: 1 max: 65535

Cost value

Command Modes

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

count

"|" **count**

Syntax Description

| Pipe command output to filter

count Count number of lines

Command Modes

• /output

counter name value op

counter name *counter-name* **value** *counter-value* **op** *op-val*

Syntax Description

counter	Specify the name of the counter
name	Specify the name of the counter
<i>counter-name</i>	Type: string Name of the counter
value	Specify the value to be applied to the counter
<i>counter-value</i>	Type: integer Enter the value
op	Specify the operator to be applied
<i>op-val</i>	Enter the value of the operator nop value: 1 do nothing, just print the value set value: 2 set the counter value to this value inc value: 3 Increment the counter by this value dec value: 4 Decrement the counter by this value

Command Modes

• /exec

cpu threshold rising falling interval

cpu threshold rising *risingth* **falling** *fallingth* **interval** *seconds*

Syntax Description	
cpu	CPU resource
threshold	Threshold settings
rising	Rising threshold setting
<i>risingth</i>	Type: uinteger min: 1 max: 100 Rising threshold in percentage
falling	Falling threshold setting
<i>fallingth</i>	Type: uinteger min: 1 max: 100 Falling threshold in percentage
interval	Observation interval setting
<i>seconds</i>	Type: uinteger min: 5 max: 300 Observation interval in seconds
Command Modes	• /exec/configure/onep

crypto ca authenticate

[no] **crypto ca authenticate** *s0*

Syntax Description

no	Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
authenticate	Authenticate the certificate authority certificate
<i>s0</i>	Type: string length: 64 trustpoint label

Command Modes

- /exec/configure

crypto ca crl request

[no] crypto ca crl request *s0 uri0*

Syntax Description	no 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
	<i>s0</i> Type: string length: 64 trustpoint label
	<i>uri0</i> Type: uri Specify source file name
Command Modes	• /exec/configure

crypto ca enroll

[no] **crypto ca enroll** *s0*

Syntax Description

no Negate a command or set its defaults

crypto Set crypto settings

ca Configure certificate authority related information

enroll Create certificate request

s0 Type: string

length: 64

trustpoint label

Command Modes

• /exec/configure

crypto ca export pkcs12

[no] **crypto ca export** *s0* **pkcs12** *uri0* *s1*

Syntax Description	
no	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
<i>s0</i>	Type: string length: 64 trustpoint label
pkcs12	destination file url
<i>uri0</i>	Type: uri Specify destination file name
<i>s1</i>	Type: string length: 128 passphrase to encrypt the private key
Command Modes	• /exec/configure

crypto ca import certificate

[no] crypto ca import *s0* certificate

Syntax Description

no	Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
import	import the certificate or key
<i>s0</i>	Type: string length: 64 trustpoint label
certificate	import the certificate

Command Modes

- /exec/configure

crypto ca import pkcs12

```
crypto ca import s0 pkcs12 uri0 s1
```

Syntax Description

crypto Set crypto settings

ca Configure certificate authority related information

import import the certificate or key

s0 Type: string
length: 64
trustpoint label

pkcs12 source file url

uri0 Type: uri
source file url

s1 Type: string
length: 128
passphrase to decrypt the private key

Command Modes

- /exec/configure

crypto ca lookup

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

Syntax Description

no 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 Modes

• /exec/configure

crypto ca remote ldap

```
[no] crypto ca remote ldap {server-group s0[[crl-refresh-time i0]}
```

Syntax Description

no	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	Configure refresh-time to fetch crl from remote certstore
<i>i0</i>	Type: integer min: 0 max: 744 Refresh time value in hours. A value of 0 will now run the refresh routine once.
server-group	Ldap server group
<i>s0</i>	Type: string length: 64 Ldap server group name

Command Modes

- /exec/configure

crypto ca trustpoint

[no] crypto ca trustpoint *s0*

Syntax Description

no	Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
trustpoint	Configure trustpoint certificate authority
<i>s0</i>	Type: string length: 64 trustpoint label

Command Modes

- /exec/configure

crypto cert ssh-authorize

```
[no] crypto cert ssh-authorize [{s0 map s1 [s2]]default map s3}]
```

Syntax Description	
no	Negate a command or set its defaults
crypto	Configure crypto settings
cert	Configure certificate mapping filter settings
ssh-authorize	Configure mapping filter for ssh
<i>s0</i>	Type: string length: 64 Issuer name of the certificate
map	Mapping filter to be applied
<i>s1</i>	Type: string length: 64 Name of the mapping filter which is already configured
<i>s2</i>	Type: string length: 64 Name of the mapping filter which is already configured
default	Default map for ssh authorization
<i>s3</i>	Type: string length: 64 Name of the default mapping filter which is already configured
Command Modes	• /exec/configure

crypto certificatemap mapname

[no] crypto certificatemap mapname *s0*

Syntax Description

no	Negate a command or set its defaults
crypto	Set crypto settings
certificatemap	Configure certificatemap filters
mapname	Create a new filter map
<i>s0</i>	Type: string length: 64 Name of the filter map

Command Modes

- /exec/configure

crypto key generate rsa

```
[no] crypto key generate rsa [{[exportable] [modulus i0][label s0] [[exportable] [modulus1
i1][modulus2 i2]}]
```

Syntax Description

no	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	key-pair is exportable
modulus	key-pair size
<i>i0</i>	Type: integer min: 512 max: 2048 key-pair size
label	key-pair label
<i>s0</i>	Type: string length: 64 key-pair label
exportable	key-pair is exportable
modulus1	key-pair size
<i>i1</i>	Type: integer min: 512 max: 2048 key-pair size
modulus2	key-pair size
<i>i2</i>	Type: integer min: 512 max: 2048 key-pair size

Command Modes

- /exec/configure

crypto key param rsa label modulus

[no] crypto key param rsa label *s0* modulus *i0* [exportable]

Syntax Description

no	Negate a command or set its defaults
crypto	Set crypto settings
key	Configure key pair related information
param	Configure key pair related information
rsa	Configure rsa key pair related information
label	key-pair label
<i>s0</i>	Type: string length: 64 key-pair label
modulus	key-pair size
<i>i0</i>	Type: integer min: 512 max: 2048 key-pair size
exportable	key-pair is exportable

Command Modes

- /exec/configure

crypto key zeroize rsa

[no] crypto key zeroize rsa *s0*

Syntax Description	no 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
	<i>s0</i> Type: string length: 64 key-pair label

Command Modes • /exec/configure

cts enable

[no] cts enable

Syntax Description

no Negate a command or set its defaults

cts Config commands for CTS *Not available in this release.*

enable Enable/Disable CTS

Command Modes

• /exec/configure

customer-id

customer-id *s0*|**no** **customer-id**

Syntax Description

no Negate a command or set its defaults

customer-id customer id

s0 Type: remainder

Provide customer id (as specified in the service agreement)

Command Modes

- /exec/configure/callhome

cut

" | " **cut** {-b *bytes*|-c *chars*|-f *fields*|-d *delim*|-s|--help} +

Syntax Description

| Pipe command output to filter

cut Print selected parts of lines.

-b output only these bytes

-c output only these characters

-d specify other field delimiter (default is TAB).

-f output only these fields; also print any line that contains no delimiter character, unless the -s option is specified

-s do not print lines not containing delimiters

bytes Type: string

{n|n-n|m|-m} N-th byte, N to end of line, N to M, start of line to N

chars Type: string

{n|n-n|m|-m} N-th char, N to end of line, N to M, start of line to N

fields Type: string

{n|n-n|m|-m} N-th field, N to end of line, N to M, start of line to N

delim Type: string

field separator char, TAB is default, use ' ' for space

-help print help of underlying unix command

Command Modes

• /output