



Cisco Nexus 9000 Series NX-OS Command Reference (Show Commands), Release 10.4(x)

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Notice



Warning

This document should be used only as a glossary reference for possible commands. The listing of a command in this document does not guarantee that the command is available or supported for your platform or application.

The command information in this reference document is auto-generated from the NX-OS source code. While we attempt to manually remove unsupported, deprecated, or internal-use commands, such commands may occasionally appear in this document. Also, with the large variety of hardware platform combinations using NX-OS software, some listed commands may not be applicable or recommended for a specific platform. Platform-based dependency information is not provided in this command reference.

We strongly encourage you to refer to the configuration guides for appropriate commands to configure and operate a feature. Command limitations, restrictions, and recommendations are documented only in the configuration guides. When in doubt, please consult your Cisco representative.



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show aaa accounting

show aaa accounting

Syntax Description

show	Show running system information
aaa	Show aaa information
accounting	Show accounting configuration

Command Mode

- /exec

show aaa authentication

show aaa authentication

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration

Command Mode

- /exec

show aaa authentication login

```
show aaa authentication login { mschap | mschapv2 | chap }
```

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login error message configuration
mschap	Show authentication login MSCHAP enable configuration
mschapv2	Show authentication login MSCHAP V2 enable configuration
chap	Show authentication login CHAP enable configuration

Command Mode

- /exec

show aaa authentication login ascii-authentication

show aaa authentication login ascii-authentication

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login message configuration
ascii-authentication	Show ascii-authentication configuration

Command Mode

- /exec

show aaa authentication login error-enable

show aaa authentication login error-enable

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login error message configuration
error-enable	Show authentication login error message enable configuration

Command Mode

- /exec

show aaa authentication login invalid-username-log

show aaa authentication login invalid-username-log

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login message configuration
invalid-username-log	Show invalid username log configuration

Command Mode

- /exec

show aaa authorization

show aaa authorization [all]

Syntax Description

show	Show running system information
aaa	Show aaa information
authorization	Show authorization configuration
all	(Optional) Show all(include defaults configurations) authorization info

Command Mode

- /exec

show aaa bypass-user

show aaa bypass-user [<s0>]

Syntax Description

show	Show running system information
aaa	Show aaa information
bypass-user	Show bypass user information
s0	(Optional) Enter the username

Command Mode

- /exec

show aaa client radius statistics

show aaa client radius statistics <host0>

Syntax Description

show	Show running system information
aaa	Show aaa information
client	Show AAA client info
radius	show radius dynamic authorization client info
statistics	show radius dynamic authorization client statistics
<i>host0</i>	IPV4/IPV6 address or DNS name of RADIUS client

Command Mode

- /exec

show aaa groups

show aaa groups

Syntax Description

show	Show running system information
aaa	Show aaa information
groups	Show configured groups

Command Mode

- /exec

show aaa local user blocked

show aaa local user blocked

Syntax Description

show	Show running system information
aaa	Configure aaa functions
local	Local username
user	Local system user
blocked	Display Blocked users

Command Mode

- /exec

show aaa server radius statistics

show aaa server radius statistics

Syntax Description

show	Show running system information
aaa	Show aaa information
server	show Local AAA server info
radius	show local radius server info
statistics	show local radius server statistics

Command Mode

- /exec

show aaa user blocked

show aaa user blocked

Syntax Description

show	Show running system information
aaa	Configure aaa functions
user	system user
blocked	Display blocked users

Command Mode

- /exec

show aaa user default-role

show aaa user default-role

Syntax Description

show	Show running system information
aaa	Show aaa information
user	Remotely authenticated user
default-role	Default role assigned by aaa-admin for remote authentication

Command Mode

- /exec

show access-list

```
show { system internal | hardware } access-list { summary | [ vdc <vdc_id> ] { [ interface <if_name> | vlan
<vlan_id> | inband table <table> ] [ { input | output } { config | { { entries | merge } [ detail ] } } | statistics |
l4ops | redirect | sampler } ] } [ module <module> ]
```

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
summary	summary
vdc	(Optional) vdc id
<i>vdc_id</i>	(Optional) vdc_id
interface	(Optional) interface name
<i>if_name</i>	(Optional) display access list for the interface
vlan	(Optional) vlan_id
<i>vlan_id</i>	(Optional) vlan_id
inband	(Optional) inband interface
table	(Optional) vrf table number
<i>table</i>	(Optional) vrf table number
input	(Optional) input/ingress policies
output	(Optional) output/egress policies
config	(Optional) parsed policy software database
entries	(Optional) tcam entries
statistics	(Optional) aggregate statistics
l4ops	(Optional) l4 operations information
redirect	(Optional) redirect resource information
sampler	(Optional) with sampler details
merge	(Optional) tcam entries merge information

detail	(Optional) detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show access-list database

```
show { system internal | hardware } access-list [ vdc <vdc_id> ] database { interface | vlan | policy | process } [ module <module> ]
```

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
vdc	(Optional) vdc id
<i>vdc_id</i>	(Optional) vdc_id
database	Show memory database
interface	display interfaces/vlans in a vdc with policies
policy	display policies in a vdc
vlan	display vlans in a vdc
process	display process database in a vdc
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show access-list resource

```
show { system internal | hardware } access-list resource { { { entries | l4ops | redirect | ipv6-compression |
mac-compression | aqm-d | aqm-q | oq | opool | prm | hardware-telemetry } [ detail ] } | utilization [ per-feature
] | { entry tcam <tcam_id> bank <bank_id> index <index> } | { default-tcam-allocation } } [ no-header ] [
module <module> ]
```

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
resource	hardware resource
entries	tcam entries
l4ops	l4 operations information
redirect	redirect resource information
entry	display hardware information of a tcam entry
tcam	tcam id
<i>tcam_id</i>	tcam_id
bank	bank id
<i>bank_id</i>	bank_id
index	index within bank
<i>index</i>	index withing bank
default-tcam-allocation	default tcam allocation
utilization	utilization matrix
per-feature	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv6-compression	ipv6 compression
mac-compression	mac compression table info
aqm-d	aqm d params
aqm-q	aqm q params

oq	oq profiles
opool	opool profiles
prm	prm profiles
hardware-telemetry	hardware-telemetry resources
detail	(Optional) detailed information
no-header	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show access-lists

```
show <mpls_acl> access-lists [ <mpls_name> ]
```

Syntax Description

show	Show running system information
<i>mpls_acl</i>	mpls acl value
access-lists	List access lists
<i>mpls_name</i>	(Optional) List name

Command Mode

- /exec

show accounting log

```
show accounting log [ { <i0> | start-time <SYYYY> <SMonth> <SDate> <STime> [ end-time <EYYYY>
<EMonth> <EDate> <ETime> ] } ]
```

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
<i>i0</i>	(Optional) Log Size(in bytes)
start-time	(Optional) Show messages from a given start-time
<i>SYYYY</i>	(Optional) Enter year in YYYY format
<i>SMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>SDate</i>	(Optional) Enter day of month in dd format
<i>STime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from a given end-time
<i>EYYYY</i>	(Optional) Enter year in YYYY format
<i>EMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>EDate</i>	(Optional) Enter day of month in dd format
<i>ETime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

show accounting log all

show accounting log all

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
all	Display accounting log including show commands (Use <terminal log-all> to enable show command accounting)

Command Mode

- /exec

show accounting log last-index

show accounting log last-index

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
last-index	Show accounting log last index information

Command Mode

- /exec

show accounting log nvram

```
show accounting log nvram [ { <i0> | start-time <SYYYY> <SMonth> <SDate> <STime> [ end-time
<EYYYY> <EMonth> <EDate> <ETime> ] } ]
```

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
nvram	present in nvram
<i>i0</i>	(Optional) Log Size(in bytes)
start-time	(Optional) Show messages from a given start-time
<i>SYYYY</i>	(Optional) Enter year in YYYY format
<i>SMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>SDate</i>	(Optional) Enter day of month in dd format
<i>STime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from a given end-time
<i>EYYYY</i>	(Optional) Enter year in YYYY format
<i>EMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>EDate</i>	(Optional) Enter day of month in dd format
<i>ETime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

show accounting log nvram last-index

show accounting log nvram last-index

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
nvram	present in nvram
last-index	Show accounting log last index information

Command Mode

- /exec

show accounting log nvram start-seqnum

show accounting log nvram start-seqnum <SSEQNUM> [end-seqnum <ESEQNUM>]

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
nvram	present in nvram
start-seqnum	Show messages starting from a given sequence number
end-seqnum	(Optional) Show messages ending with a given sequence number
<i>SSEQNUM</i>	Enter Starting Sequence Number
<i>ESEQNUM</i>	(Optional) Enter Starting Sequence Number

Command Mode

- /exec

show accounting log start-seqnum

show accounting log start-seqnum <SSEQNUM> [end-seqnum <ESEQNUM>]

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
start-seqnum	Show messages starting from a given sequence number
end-seqnum	(Optional) Show messages ending with a given sequence number
<i>SSEQNUM</i>	Enter Starting Sequence Number
<i>ESEQNUM</i>	(Optional) Enter Starting Sequence Number

Command Mode

- /exec

show acl status

show acl status

Syntax Description

show	Show running system information
acl	Show information about acl
status	Shows the status of last acl operation

Command Mode

- /exec

show amt process

```
show amt process [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
amt	AMT show commands
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
process	Display AMT process information

Command Mode

- /exec

show amt vrf all

show amt vrf all

Syntax Description

show	Show running system information
amt	AMT show commands
vrf	Display all VRFs AMT is configured in
all	Display all VRFs AMT is configured in

Command Mode

- /exec

show app-hosting bridge

show app-hosting bridge

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
bridge	List the app-hosting bridges

Command Mode

- /exec

show app-hosting detail

show app-hosting detail [appid <app-hosting-appid>]

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
detail	Detail information about application
appid	(Optional) Application ID
<i>app-hosting-appid</i>	(Optional) AppId name

Command Mode

- /exec

show app-hosting infra

show app-hosting infra

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
infra	app-hosting framework infra details

Command Mode

- /exec

show app-hosting list

show app-hosting list

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
list	List applications

Command Mode

- /exec

show app-hosting resource

show app-hosting resource

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
resource	available resources

Command Mode

- /exec

show app-hosting utilization

show app-hosting utilization [appid <app-hosting-appid>]

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
utilization	Utilization information about application
appid	(Optional) Application ID
<i>app-hosting-appid</i>	(Optional) AppId name

Command Mode

- /exec

show archive log config

```
show archive log config { all | [ user <username> ] [ first-index <first_index> [ last-index <last_index> ] ] }
```

Syntax Description

show	Show running system information
archive	Show archive configuration
log	Show Archive Log
config	Show Config Logger information
all	List all the records in the config log
user	(Optional) List records for specific user in the config log
<i>username</i>	(Optional) Username
first-index	(Optional) The first record number to display
last-index	(Optional) The last record number to display
<i>first_index</i>	(Optional) config log first index
<i>last_index</i>	(Optional) config log last index

Command Mode

- /exec

show arp access-lists

show arp access-lists [<name>]

Syntax Description

show	Show running system information
arp	ARP access-lists
access-lists	List access lists
<i>name</i>	(Optional) List name

Command Mode

- /exec



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show background

show background

Syntax Description

show	Show running system information
background	show background processes (started with 'source background <file>' command)

Command Mode

- /exec

show banner exec

show banner exec

Syntax Description

show	Show running system information
banner	Show current banner message
exec	Show current exec banner message

Command Mode

- /exec

show banner motd

show banner motd

Syntax Description

show	Show running system information
banner	Show current banner message
motd	Show current motd banner message

Command Mode

- /exec

show bash-shell

show bash-shell

Syntax Description

show	Show running system information
bash-shell	Show bash shell status

Command Mode

- /exec

show bfd clients

show bfd clients

Syntax Description

show	Show running system information
bfd	BFD commands
clients	bfd client list

Command Mode

- /exec

show bfd neighbors

```
show bfd { [ vrf { <vrf-name> | <vrf-known-name> | all } ] } { [ <ip_type> ] } neighbors { [ multihop ] | [ srte-echo ] | [ module <module> ] | [ interface <intf_id> ] | [ application <bfd_cli_client_names> ] | [ { src-ip <src_ip> | src-ipv6 <src_ipv6> } ] | [ { dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> } ] | [ vrf { <vrf-name> | <vrf-known-name> | all } ] } + [ details ]
```

Syntax Description

show	Show running system information
bfd	BFD commands
<i>ip_type</i>	(Optional) ipv4 or ipv6
neighbors	neighbors
multihop	(Optional) Display Multihop sessions only
srte-echo	(Optional) Display SRTE echo sessions only
module	(Optional) module
<i>module</i>	(Optional) module number
interface	(Optional) interface
<i>intf_id</i>	(Optional) show bfd sessions based on interface id
application	(Optional) application
<i>bfd_cli_client_names</i>	(Optional) __nil__ Clients need to register with bfd for this list
src-ip	(Optional) Source ip
src-ipv6	(Optional) Source ip
<i>src_ip</i>	(Optional) Source ip value
dest-ip	(Optional) Destination ip
dest-ipv6	(Optional) Destination ip
<i>dest_ip</i>	(Optional) Destination ip value
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
details	(Optional) details

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] | ipv6 { unicast | multicast } flap-statistics
[ <ipv6-prefix> ] | all flap-statistics } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234
} ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
flap-statistics	Display route flap statistics
<i>ip-prefix</i>	(Optional) Display flap statistics for one prefix
<i>ip-addr</i>	(Optional) Display flap statistics for one network
<i>ip-mask</i>	(Optional) Network mask
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } policy statistics { { redistribute [ { { eigrp | isis | ospf | rip } <tag> } | static | direct | amt | lisp |
hmm | am ] } | { neighbor <neighbor-id> [ default-originate | { route-map | filter-list | prefix-list } { in | out }
] } | { dampening } | { network { <ip-addr> mask <ip-mask> | <ip-prefix> } } | { aggregate-address { <ip-addr>
<ip-mask> | <ip-prefix> } { suppress-map | advertise-map } } } | vpnv4 unicast policy statistics { neighbor
<neighbor-id> [ { route-map | filter-list | prefix-list } { in | out } ] } | ipv6 { unicast | multicast } policy statistics
{ { redistribute [ { { eigrp | isis | ospfv3 | rip } <tag> } | static | direct | amt | lisp | hmm | am ] } | { 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 } } } } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
policy	Display policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
isis	(Optional) ISO IS-IS
ospf	(Optional) Open Shortest Path First
ospfv3	(Optional) Open Shortest Path First v3
rip	(Optional) Routing Information Protocol
eigrp	(Optional) Enhanced Interior Gateway Protocol
static	(Optional) Static routes
direct	(Optional) Directly connected

amt	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
lisp	(Optional) LISP EID-prefixes in the non-default VRF
hmm	(Optional) HMM prefix
am	(Optional) AM routes (learned via ARP)
<i>tag</i>	(Optional) Source protocol tag
neighbor	Show neighbor specific counters
<i>neighbor-id</i>	Neighbor IPv4 address
route-map	(Optional) Neighbor route-map
prefix-list	(Optional) Neighbor prefix-list
filter-list	(Optional) Neighbor filter-list
out	(Optional) Outbound policy
in	(Optional) Inbound policy
default-originate	(Optional) Default-originate policy
dampening	Show dampening info
network	Configured IP prefix to advertise
mask	Configured mask of the IP prefix advertised
aggregate-address	Configured BGP aggregate prefixes
suppress-map	Statistics of suppress policy
advertise-map	Statistics of advertise policy
<i>ip-addr</i>	IP network advertised
<i>ip-mask</i>	Dotted 4-octet mask
<i>ip-prefix</i>	IP prefix in CIDR format

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ipv4 { unicast |
multicast } | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast
} [ <ip-addr> [ <ip-mask> [ longer-prefixes ] ] [ detail ] | <ip-prefix> [ longer-prefixes ] [ detail ] | labels |
exported | imported | detail ] | { ipv6 { unicast | multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast } [ <ipv6-prefix> [ longer-prefixes ] [ detail ] | labels |
exported | imported | detail ] | { ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } [
<ip-addr> [ <ip-mask> ] | <ip-prefix> | labels | mdt-group <mdt-group> ] | { ipv4 | ipv6 } unicast [
injected-routes | origin-as validity-state [ valid | invalid | not-found ] ] | link-state [ route-type <rt-type> |
<ipv4-ls-rt> | <ipv6-ls-rt> ] | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] { { <ip-addr>
[ <ip-mask> ] | <ip-prefix> } | { ve-id <ve-id> block-offset <ve-bs> } ] | ipv4 mvpn [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [ join <v4src-addr> <v4grp-addr> <src-asn> | rp
<v4src-addr> <grp-v4prefix> <pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v4prefix> | sa-ad
<v4src-addr> <v4grp-addr> | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] ] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7
} [ detail ] | join [ detail ] | sa-ad [ detail ] | i-pmsi [ detail ] | { <v4src-addr> [ <v4grp-addr> ] | <v4grp-addr>
[ <v4src-addr> ] } [ route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } ] [ detail ] ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4>
| <ext-comm-rd-aa4nn2> } [ join <v6src-addr> <v6grp-addr> <src-asn> | rp <v6src-addr> <grp-v6prefix>
<pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v6prefix> | sa-ad <v6src-addr> <v6grp-addr> |
route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] ] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] | join [ detail ] |
sa-ad [ detail ] | i-pmsi [ detail ] | { <v6src-addr> [ <v6grp-addr> ] | <v6grp-addr> [ <v6src-addr> ] } [ route-type
{ 1 | 2 | 3 | 4 | 5 | 6 | 7 } ] [ detail ] ] | l2vpn evpn [ route-type <rtype> [ etid <et> ] | detail | rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [ route-type <rtype> [ etid <et> ] | <ipv4-evpn-rt> |
<ipv6-evpn-rt> | <mac-address> ] | vni-id <vni_id> [ route-type <rtype> | detail ] | es <es-id> [ route-type
<rtype> [ etid <et> ] ] | <ipv4-evpn-rt> | <ipv6-evpn-rt> | <mac-address> ] | all [ detail ] ] [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ip-addr</i>	(Optional) Display one particular network from the BRIB in detail
<i>ip-mask</i>	(Optional) Mask for one particular prefix in the BRIB
<i>ip-prefix</i>	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
labels	(Optional) Display BGP labels for prefixes
exported	(Optional) Display only exported prefixes
imported	(Optional) Display only imported prefixes

injected-routes	(Optional) Display only injected prefixes
origin-as	(Optional) Display RPKI origin-as validity
validity-state	(Optional) Display validity state of origin-as for the prefix
valid	(Optional) Display only prefixes with valid origin-as
invalid	(Optional) Display only prefixes with invalid origin-as
not-found	(Optional) Display only prefixes with not-found origin-as
mdt-group	(Optional) Display prefixes with MDT group address
<i>mdt-group</i>	(Optional) MDT group address
rd	(Optional) Display information for a route distinguisher
ve-id	(Optional) VPLS VE ID
<i>ve-id</i>	(Optional) VPLS VE ID
route-type	(Optional) EVPN Route Type number
<i>rtype</i>	(Optional) EVPN route type number
1	(Optional) Inter-AS PMSI AD
2	(Optional) Intra-AS PMSI AD
3	(Optional) SPMSI AD
4	(Optional) LEAF AD
5	(Optional) Source-Active AD
6	(Optional) Shared C-Multicast
7	(Optional) Source C-Multicast
vni-id	(Optional) EVPN VNI ID number
<i>vni_id</i>	(Optional) EVPN VNI ID number
<i>rt-type</i>	(Optional) Link-State route-type
es	(Optional) Ethernet Segment
<i>es-id</i>	(Optional) ESID
etid	(Optional) Ethernet Tag-ID for L2VPN EVPN route
<i>et</i>	(Optional) Ethernet Tag-ID
<i>ipv4-evpn-rt</i>	(Optional) EVPN IPv4 address
<i>ipv4-ls-rt</i>	(Optional) Link-State NLRI with descriptor including IPv4 address

<i>mac-address</i>	(Optional) MAC address
<i>block-offset</i>	(Optional) VPLS VE Block offset
<i>ve-bs</i>	(Optional) VPLS VE Block offset
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
<i>ipv4</i>	Display BGP information for IPv4 address family
<i>vpnv4</i>	Display BGP information for VPNv4 address family
<i>vpnv6</i>	Display BGP information for VPNv6 address family
<i>ipv6</i>	Display BGP information for IPv6 address family
<i>unicast</i>	Display BGP information for unicast address family
<i>multicast</i>	Display BGP information for multicast address family
<i>mdt</i>	Display BGP information for multicast distribution tree
<i>link-state</i>	Display BGP information for link-state address family
<i>l2vpn</i>	Display BGP information for L2VPN address family
<i>vpls</i>	Display BGP information for L2VPN VPLS address family
<i>labeled-unicast</i>	Display BGP information for labeled-unicast address family
<i>mvpn</i>	Display BGP information for MVPN address family
<i>evpn</i>	Display BGP information for L2VPN EVPN address family
<i>all</i>	Display BGP information for all address families
<i>join</i>	(Optional) Display Multicast Join route
<i>detail</i>	(Optional) Display detailed path info for routes
<i>sa</i>	(Optional) Display Multicast Source Active AD route
<i>sa-ad</i>	(Optional) Display Multicast Source Active AD route
<i>i-pmsi</i>	(Optional) Display Multicast Intra-AS I-PMSI route
<i>rp</i>	(Optional) Display Multicast Group to RP route
<i>v4src-addr</i>	(Optional) Source IP Address
<i>src-asn</i>	(Optional) Source ASN
<i>v4grp-addr</i>	(Optional) Group IP Address
<i>grp-v4prefix</i>	(Optional) Group IP prefix

<i>pe-addr</i>	(Optional) PE IP Address
<i>rp-flags</i>	(Optional) Flags
<i>rp-priority</i>	(Optional) RP Priority
<i>hashlen</i>	(Optional) Hash mask length
<i>l</i>	(Optional) vrf

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } { route-map {
<rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | { community-list {
<commlist-name> | <test_pol_name> } | large-community-list { <large-commmlist-name> | <test_pol_name>
} | extcommunity-list { <extcommmlist-name> | <test_pol_name> } } [ exact-match ] } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list
community-list	Display routes matching the community-list
<i>commlist-name</i>	Name of community-list
large-community-list	Display routes matching the large-community-list
<i>large-commmlist-name</i>	Name of large-community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>extcommmlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format

<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ipv4 { unicast |
multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv4 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | link-state | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | l2vpn evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4
mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast } nexthop <ipnexthop>
| { ipv6 { unicast | multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] |
ipv6 labeled-unicast | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } nexthop
<ipv6nexthop> } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
<i>ipnexthop</i>	Nexthop address
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
evpn	Display BGP information for L2VPN EVPN address family

mvpn	Display BGP information for MVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { { ipv4 { unicast
| multicast } | vpnv4 unicast | ipv4 mdt | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn } nexthop-database
[ <ipnexthop> ] } } { { ipv6 { unicast | multicast } | vpnv6 unicast | ipv6 mvpn } nexthop-database [
<ipv6nexthop> ] } } { all nexthop-database } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
nexthop-database	Display nexthop database
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
mdt	Display BGP information for multicast distribution tree
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
<i>ipnexthop</i>	(Optional) Nexthop address

Command Mode

- /exec

show bgp bmp server

show bgp bmp server [<server-id>] [detail]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
bmp	Display BMP state
server	Display BMP server information
<i>server-id</i>	(Optional) Display server specific information
detail	(Optional) Display detailed information

Command Mode

- /exec

show bgp community

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } community {
<regex-str> | { { <comm-id> | <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family

evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
community	Display routes matching the BGP communities
<i>regexp-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show bgp convergence

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] convergence [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
convergence	Display information about convergence
detail	(Optional) Display detailed information about convergence

Command Mode

- /exec

show bgp dampening dampened

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening {
dampened-paths [ regexp <regexp-str> ] | history-paths [ regexp <regexp-str> ] } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampened-paths	Display all dampened paths
history-paths	Display all history paths
dampening	Display dampening info
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family

l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show bgp dampening flap-statistics

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening
flap-statistics [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
flap-statistics	Display flap statistics for routes
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family

mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp dampening parameters

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening
parameters [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
parameters	Display dampening parameters
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family

mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp evi

show bgp evi [<evi-id>]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
evi	Display information about EVI database
<i>evi-id</i>	(Optional) EVI Id

Command Mode

- /exec

show bgp extcommunity

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpngv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpngv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } extcommunity
{ <regex-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpngv4	Display BGP information for VPNv4 address family
vpngv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
labeled-unicast	Display BGP information for labeled-unicast address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family

evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
<i>regexp-str</i>	Regular expression to match the extcommunities
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show bgp l3vpn

```
show bgp l3vpn [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
l3vpn	BGP l3vpn information
vrf	(Optional) Virtual Router Context
detail	(Optional) Detailed information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show bgp large-community

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } large-community
{ <regexp-str> | { <large-comm-xyyzz> + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family

evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
large-community	Display routes matching the BGP large communities
<i>regexp-str</i>	Regular expression to match the large communities
<i>large-comm-xyyyz</i>	Large Community value in xx:yy:zz format
exact-match	(Optional) Exact match of the large communities

Command Mode

- /exec

show bgp neighbors

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] } { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | ipv4
labeled-unicast | l2vpn evpn } neighbors { <neighbor-id> | <ipv6-neighbor-id> } { routes [ advertised | received
| dampened ] | advertised-routes | received-routes } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
labeled-unicast	Display BGP information for labeled-unicast address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
routes	Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
advertised-routes	Display all the routes advertised to this peer
received-routes	Display all the routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer

Command Mode

- /exec

show bgp neighbors

```
show bgp { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn | ipv6 mvpn | ipv4 labeled-unicast } neighbors [ { <neighbor-id> | <ipv6-neighbor-id> | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id> | <neighbor-interface> } ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	(Optional) Display details for a prefix peering
<i>neighbor-interface</i>	(Optional) Display details for BGP interface peering
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp neighbors commands

```
show bgp { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | l2vpn evpn } neighbors {
<neighbor-id> | <ipv6-neighbor-id> } commands [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
neighbors	Display all configured BGP neighbors
commands	Display details on commands

Command Mode

- /exec

show bgp neighbors flap-statistics

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } neighbors { <neighbor-id> | <ipv6-neighbor-id> } flap-statistics
[ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
flap-statistics	Display flap statistics for routes received from this peer

Command Mode

- /exec

show bgp neighbors paths

```
show bgp { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | ipv4
labeled-unicast | link-state | l2vpn evpn } neighbors { <neighbor-id> | <ipv6-neighbor-id> } paths [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
paths	Display AS paths learned from this peer

Command Mode

- /exec

show bgp path-attribute discard

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv4 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | link-state | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | l2vpn evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4
mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | ipv6 { unicast |
multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast
| ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } path-attribute { discard | unknown
} [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
evpn	Display BGP information for L2VPN EVPN address family
mvpn	Display BGP information for MVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family

path-attribute	path attribute on a route
discard	discard the path attribute
unknown	unknown path attribute

Command Mode

- /exec

show bgp paths

show [ip] bgp paths

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
paths	Display Path information

Command Mode

- /exec

show bgp peer-template

```
show [ ip ] bgp peer-template [ <peer-template-name> ]
```

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-template	Display information about a peer-template
<i>peer-template-name</i>	(Optional) Peer-template name

Command Mode

- /exec

show bgp peer

```
show [ ip ] bgp { peer-session [ <session-template-name> ] | peer-policy [ <policy-template-name> ] }
```

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-session	Display information about a peer-session
peer-policy	Display information about a peer-policy
<i>session-template-name</i>	(Optional) Peer-session name
<i>policy-template-name</i>	(Optional) Peer-policy name

Command Mode

- /exec

show bgp prefix-list

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } } prefix-list { <prfxlist-name> | <test_pol_name> } [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
<i>test_pol_name</i>	An existing test-list policy
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family

Command Mode

- /exec

show bgp private attr

show bgp private attr [database | as-path | nve-peer | community | large-community | extcommunity | srte-policy | prefix-sid | srv6 | attrset] [brief]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
attr	Show BGP attributes
database	(Optional) Show attribute set table
as-path	(Optional) Show AS-PATH attribute table
nve-peer	(Optional) Show NVE peer attribute table
community	(Optional) Show community attribute table
large-community	(Optional) Show large community attribute table
extcommunity	(Optional) Show extended community attribute table
srte-policy	(Optional) Show SRTE policy attribute table
prefix-sid	(Optional) Show prefix SID attribute table
srv6	(Optional) Show SRv6 attribute table
attrset	(Optional) Show ATTRSET attribute table
brief	(Optional) Show brief info

Command Mode

- /exec

show bgp private debug history

show bgp private debug history { all | ead-es | es | mac | cloudsec }

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
debug	Debug
history	history
all	all
ead-es	ead-es
es	es
mac	mac
cloudsec	cloudsec

Command Mode

- /exec

show bgp process

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] process [ detail ] [
vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
process	BGP global information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show bgp received-paths

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } received-paths
[ private ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family

evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show bgp regexp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } regexp <regexp-str> [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
regexp	Display routes matching the AS path regular expression
<i>regexp-str</i>	Regular expression to match the AS paths

Command Mode

- /exec

show bgp rpki cache

show bgp rpki cache [<ipv4-addr> | <ipv6-addr>]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rpki	Display RPKI information
cache	Display RPKI cache information
<i>ipv4-addr</i>	(Optional) Display one particular RPKI IPv4 cache

Command Mode

- /exec

show bgp rpki summary

show bgp rpki summary

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rpki	Display RPKI information
summary	Display RPKI summary information

Command Mode

- /exec

show bgp rpk table ipv4

```
show bgp rpk table { ipv4 [ <ip-prefix> ] | ipv6 [ <ipv6-prefix> ] }
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rpk	Display RPKI information
table	Display RPKI table information
ipv4	Display IPv4 RPKI table information
<i>ip-prefix</i>	(Optional) Display one particular prefix from RPKI
ipv6	Display IPv6 RPKI table information

Command Mode

- /exec

show bgp segment-routing srv6

show bgp segment-routing srv6

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
segment-routing	Display segment-routing information
srv6	Display segment-routing srv6 information

Command Mode

- /exec

show bgp self-originated

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } self-originated [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
self-originated	Self originated routes

Command Mode

- /exec

show bgp sessions

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] sessions [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
sessions	Display session information for all peers

Command Mode

- /exec

show bgp statistics

show bgp statistics

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
statistics	BGP global statistics

Command Mode

- /exec

show bgp summary

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } summary
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp summary

```
show bgp { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt | vpv4 unicast | vpv6 unicast
| ipv6 labeled-unicast | link-state | l2vpn vpls | ipv4 mvpn | ipv6 mvpn | l2vpn evpn | ipv4 labeled-unicast | all
} summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
vpv4	Display BGP information for VPNv4 address family
vpv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families

Command Mode

- /exec

show boot

show boot

Syntax Description

show	Show running system information
boot	Show Bootvar Variables

Command Mode

- /exec

show boot auto-copy

show boot auto-copy

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autcopy is turned on

Command Mode

- /exec

show boot auto-copy list

show boot auto-copy list

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autcopy is turned on
list	Show the list of files to be auto-copied

Command Mode

- /exec

show boot current

show boot current

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
current	Show Current Bootvar Variables

Command Mode

- /exec

show boot mode

show boot mode

Syntax Description

show	Show boot mode information
boot	Show boot mode
mode	See if lxc boot is turned on

Command Mode

- /exec

show boot order

show boot order

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
order	Show Boot Order

Command Mode

- /exec

show boot timings

show [system internal] boot timings [detail]

Syntax Description

show	Show running system information
system	(Optional) System-related show commands
internal	(Optional) Commands for internal use
boot	show boot information
timings	show boot timings
detail	(Optional) show detailed time statistics

Command Mode

- /exec

show boot variables

show boot variables

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
variables	Display the list of boot variables

Command Mode

- /exec

show buffer-drop detail

show buffer-drop detail

Syntax Description

show	Show running system information
buffer-drop	Show Buffer Drop information
detail	Show Session Configuration

Command Mode

- /exec

show buffer-latency detail

show buffer-latency detail

Syntax Description

show	Show running system information
buffer-latency	Show Buffer Drop information
detail	Show Session Configuration

Command Mode

- /exec

show buffer-latency detail



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show callhome

show callhome

Syntax Description

show	Show running system information
callhome	Show callhome information

Command Mode

- /exec

show callhome destination-profile

show callhome destination-profile

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information

Command Mode

- /exec

show callhome destination-profile profile

show callhome destination-profile profile <s0>

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
s0	Show information for user defined destination profile

Command Mode

- /exec

show callhome destination-profile profile CiscoTAC-1

show callhome destination-profile profile CiscoTAC-1

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
CiscoTAC-1	Show information for CiscoTAC-1 destination profile

Command Mode

- /exec

show callhome destination-profile profile full-txt-destination

show callhome destination-profile profile full-txt-destination

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
full-txt-destination	Show information for full-txt-destination destination profile

Command Mode

- /exec

show callhome destination-profile profile short-txt-destination

show callhome destination-profile profile short-txt-destination

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
short-txt-destination	Show information for short-txt-destination destination profile

Command Mode

- /exec

show callhome transport-email

show callhome transport-email

Syntax Description

show	Show running system information
callhome	Show callhome information
transport	Show callhome transport configuration (email)

Command Mode

- /exec

show callhome transport

show callhome transport

Syntax Description

show	Show running system information
callhome	Show callhome information
transport	Show callhome transport configuration (email and http)

Command Mode

- /exec

show callhome user-def-cmds

show callhome user-def-cmds

Syntax Description

show	Show running system information
callhome	Show callhome information
user-def-cmds	Show the cli commands configured for each alert group

Command Mode

- /exec

show cdp

```
show cdp { entry { all1 | name <s0> } }
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
entry	Show CDP entries in database
all1	Show all CDP entries in database
name	Show a specific CDP entry matching a name
s0	

Command Mode

- /exec

show cdp all

```
show cdp { all | interface <if0> }
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
all	Show all interfaces in CDP database
interface	Show CDP parameters for an interface
<i>if0</i>	

Command Mode

- /exec

show cdp global

show cdp global

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
global	Show CDP global parameters

Command Mode

- /exec

show cdp neighbors

show cdp neighbors [interface <if>]

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
neighbors	Show CDP neighbors
interface	(Optional) Show CDP neighbors on an interface
<i>if</i>	(Optional) Specify Interface

Command Mode

- /exec

show cdp neighbors detail

show cdp neighbors [interface <if>] detail

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
neighbors	Show CDP neighbors
detail	Show CDP neighbors detailed
interface	(Optional) Show CDP neighbors on an interface
<i>if</i>	(Optional) Specify Interface

Command Mode

- /exec

show cdp traffic interface2

show cdp traffic interface2 <if2>

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
traffic	Show CDP traffic statistics
interface2	Show CDP traffic statistics on an interface
<i>if2</i>	

Command Mode

- /exec

show cdp traffic interface2 all

show cdp traffic interface2 all

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
traffic	Show CDP traffic statistics
interface2	Show CDP traffic statistics on an interface
all	Display all interface traffic

Command Mode

- /exec

show cfs application

show cfs application [{ name <cfs-dyn-app-name> | sap <i0> }]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
application	Show locally registered applications
name	(Optional) Show local application information by name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i0</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show cfs lock

```
show cfs lock [ { name <cfs-dyn-app-name> | sap <i1> } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
lock	Show state of application's logical/physical locks
name	(Optional) Application name for which the lock status is required
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show cfs lock

```
show cfs lock [ { name <cfs-dyn-app-name> [ vsan <i0> ] | sap <i1> [ vsan1 <i2> ] } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
lock	Show state of application's logical/physical locks
name	(Optional) Application name for which the lock status is required
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
vsan	(Optional) Show application's locks per vsan
<i>i0</i>	(Optional) Vsan Range
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vsan1	(Optional) Show application's locks per vsan
<i>i2</i>	(Optional) Vsan Range

Command Mode

- /exec

show cfs merge status

show cfs merge status [{ name <cfs-dyn-app-name> [detail] | sap <i1> [detail2] }]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
merge	Show cfs merge information
status	Show status of merge
name	(Optional) Show merge status by name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
detail	(Optional) Show merge status by name in detail
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail2	(Optional) Show merge status by sap in detail

Command Mode

- /exec

show cfs merge status

show cfs merge status [{ name <cfs-dyn-app-name> [vsan <i0>] | sap <i1> [vsan1 <i2>] }]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
merge	Show cfs merge information
status	Show status of merge
name	(Optional) Show merge status by name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
vsan	(Optional) Show merge information based on vsan
<i>i0</i>	(Optional) Vsan Range
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vsan1	(Optional) Show merge information based on vsan
<i>i2</i>	(Optional) Vsan Range

Command Mode

- /exec

show cfs peers

```
show cfs peers [ { name <cfs-dyn-app-name> | sap <i1> } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
peers	Show all the peers in the physical fabric
name	(Optional) Show peers for given application name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show cfs peers

```
show cfs peers [ { name <cfs-dyn-app-name> [ vsan <i0> ] | sap <i1> [ vsan1 <i2> ] } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
peers	Show all the peers in the physical fabric
name	(Optional) Show peers for given application name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
vsan	(Optional) Show peers for a specified vsan(s)
<i>i0</i>	(Optional) Vsan Range
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vsan1	(Optional) Show peers for a specified vsan(s)
<i>i2</i>	(Optional) Vsan Range

Command Mode

- /exec

show cfs regions

```
show cfs regions [ { brief [ region <i0> ] | name <cfs-dyn-app-name> | region1 <i1> } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
regions	Show all the applications with peers and region information
brief	(Optional) Show all configured regions and applications(no peers)
region	(Optional) Show all configured applications(no peers)
<i>i0</i>	(Optional) Region Id
name	(Optional) Show peers and region information for a given application
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
region1	(Optional) Show all configured applications with peers
<i>i1</i>	(Optional) Region Id

Command Mode

- /exec

show cfs static peers

show cfs static peers

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
static	Show all static peers with status
peers	Show all configured static peers with status

Command Mode

- /exec

show cfs status

show cfs status

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
status	Show current status of CFS

Command Mode

- /exec

show checkpoint

show checkpoint <chkpoint_name> [all]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoint contents
<i>chkpoint_name</i>	Checkpoint name
all	(Optional) Show default config

Command Mode

- /exec

show checkpoint

show checkpoint [all] [user | system]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoints
all	(Optional) Show default config
user	(Optional) Show only user configuration rollback checkpoints
system	(Optional) Show only system configuration rollback checkpoints

Command Mode

- /exec

show checkpoint summary

show checkpoint summary [user | system]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoints
summary	Show configuration rollback checkpoints summary
user	(Optional) Show only user configuration rollback checkpoints summary
system	(Optional) Show only system configuration rollback checkpoints summary

Command Mode

- /exec

show class-map

```
show class-map [ { [ type qos ] [ < cmap-name > | xxx < color-map-enum-name > ] } | { type queuing [ yyy
< cmap-enum-name > | zzz < default-cmap-enum-name > | < cmap-dce-name > | < cmap-name-hque > ] } ]
```

Syntax Description

xxx	(Optional) xxx
yyy	(Optional) yyy
zzz	(Optional) zzz
show	Show running system information
class-map	Show class maps
type	(Optional) Type of the class-map
qos	(Optional) type qos
queuing	(Optional) type queuing
<i>cmap-name</i>	(Optional) class map name
<i>cmap-enum-name</i>	(Optional)
<i>default-cmap-enum-name</i>	(Optional)
<i>cmap-dce-name</i>	(Optional) Queuing class-map name
<i>cmap-name-hque</i>	(Optional) Hierarchical class-map name
<i>color-map-enum-name</i>	(Optional)

Command Mode

- /exec

show class-map type control-plane

show class-map type control-plane [<omap-name>]

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
control-plane	This is for copp policy
<i>omap-name</i>	(Optional) Name of the class-map

Command Mode

- /exec

show class-map type network-qos

show class-map type network-qos [<omap-name-nq>]

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
<i>omap-name-nq</i>	(Optional) Class-map name
network-qos	type network-qos

Command Mode

- /exec

show cli alias

show cli alias [name <s0>]

Syntax Description

show	Show running system information
cli	Show CLI information
alias	Display the alias configuration
name	(Optional) Display a specific alias
s0	(Optional) Specify the alias

Command Mode

- /exec

show cli dynamic integers

show cli dynamic integers [<name>]

Syntax Description

show	Show running system information
cli	CLI commands
dynamic	Display current range of dynamic parameters
integers	Display current range of dynamic integer parameters
<i>name</i>	(Optional) name of the dynamic parameter

Command Mode

- /exec

show cli dynamic strings

show cli dynamic strings [<name>]

Syntax Description

show	Show running system information
cli	CLI commands
dynamic	Display current range of dynamic parameters
strings	Display current range of dynamic string parameters
<i>name</i>	(Optional) name of the dynamic parameter

Command Mode

- /exec

show cli history

show cli history [this-mode-only | exec-mode | config-mode] [<count> | unformatted] +

Syntax Description

show	Show running system information
cli	debug cli
history	history of cli commands
<i>count</i>	(Optional) number of lines to display (from end)
unformatted	(Optional) display just the commands
this-mode-only	(Optional) display history from current mode only
exec-mode	(Optional) display history of exec commands only
config-mode	(Optional) display history of config commands only

Command Mode

- /exec

show cli interface table

show cli interface table

Syntax Description

show	show
cli	cli
interface	interface
table	table

Command Mode

- /exec

show cli list

show cli list [detail | recurse | <component> | <max-per-cmd> | has-xml-out] +

Syntax Description

show	Show running system information
cli	Show CLI information
list	show
<i>component</i>	(Optional) component
<i>max-per-cmd</i>	(Optional) max
has-xml-out	(Optional) show
recurse	(Optional) go
detail	(Optional) formats

Command Mode

- /exec

show cli syntax

show cli syntax [long | recurse] + [has-xml-out | has-no-xml-out | is-data-modeled | has-no-data-modeled | has-dme-exempt] [roles [network-admin | network-operator | <roles-mask>]]

Syntax Description

show	Show running system information
cli	Show CLI information
syntax	show
long	(Optional) use
recurse	(Optional) also
has-xml-out	(Optional) show
has-no-xml-out	(Optional) show
is-data-modeled	(Optional) show
has-no-data-modeled	(Optional) config
has-dme-exempt	(Optional) config
roles	(Optional) show
network-admin	(Optional) show
network-operator	(Optional) show
<i>roles-mask</i>	(Optional) show

Command Mode

- /exec

show cli variables

show cli variables

Syntax Description

show	Show running system information
cli	Show CLI information
variables	Show CLI variables

Command Mode

- /exec

show clock-interface

show clock-interface

Syntax Description

clock-interface	Show clock-interface information
-----------------	----------------------------------

Command Mode

- /exec

show clock

show clock [detail]

Syntax Description

show	Show running system information
clock	Display current Date
detail	(Optional) Display current date and summertime configuration

Command Mode

- /exec

show config-profile

show config-profile [name <all_conf_profile_name>]

Syntax Description

show	Show running system information
config-profile	Show config-profiles
name	(Optional) config-profile name
<i>all_conf_profile_name</i>	(Optional) Enter the name of configuration profile

Command Mode

- /exec

show config-profile applied

show config-profile { applied [auto | manually] | non-applied } [match-name <profile_substring>]

Syntax Description

show	Show running system information
config-profile	Show config-profiles
applied	List of config-profiles that are applied
auto	(Optional) List of config-profiles that are applied via auto-config
manually	(Optional) List of all config-profiles which were applied directly from cli
non-applied	List of config-profiles that are not applied
match-name	(Optional) List of all config-profiles that have matching sub-string

Command Mode

- /exec

show config-replace log exec

show config-replace log { exec | verify }

Syntax Description

show	Show running system information
config-replace	Show config-replace
log	show config-replace log
exec	show config-replace execution log
verify	show config-replace verify log

Command Mode

- /exec

show config-replace status

show config-replace status

Syntax Description

show	Show running system information
config-replace	show config-replace
status	show status of last configure replace operation

Command Mode

- /exec

show configuration

show configuration { commit list | dual-stage sessions }

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
commit	commit information
list	Information about commit-id
dual-stage	Active dual stage session
sessions	Users with active configuration sessions

Command Mode

- /exec

show configuration

show configuration

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions

Command Mode

- /exec

show configuration commit

show configuration commit { changes <conf-commit-id> | <conf-commit-id> | log }

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
commit	commit information
changes	difference in committed configs
<i>conf-commit-id</i>	commit ID
log	Displays execution logs of last commit

Command Mode

- /exec

show configuration failed

show configuration failed [noerrors]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
failed	Contents of failed configuration
noerrors	(Optional) Failed items in last commit (exclude error reasons)

Command Mode

- /exec

show configuration file

show configuration file <uri0> [clear-text]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
file	Displays content of files
<i>uri0</i>	Filename to be displayed
clear-text	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show configuration session

show configuration session <s3>

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
s3	Shows configuration session given a name

Command Mode

- /exec

show configuration session

show configuration session

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions

Command Mode

- /exec

show configuration session global-info

show configuration session global-info

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
global-info	Show configuration sessions global-info

Command Mode

- /exec

show configuration session status

show configuration session status [<s3>]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
status	Show configuration session-mgr status
s3	(Optional) Shows configuration session status given a name

Command Mode

- /exec

show configuration session summary

show configuration session summary

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
summary	Show summary of the active configuration sessions

Command Mode

- /exec

show configuration session vsh

show configuration session <s3> vsh

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
s3	Shows configuration session given a name
vsh	

Command Mode

- /exec

show consistency-checker copp

show consistency-checker copp

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
copp	Verify copp programming from software context

Command Mode

- /exec

show consistency-checker copp extended module

show consistency-checker copp extended module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
copp	Verify copp programming from software context
extended	extended
module	Limit display to this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker dme interfaces

show consistency-checker dme interfaces

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
dme	DME (ObjectStore)
interfaces	interfaces oper data

Command Mode

- /exec

show consistency-checker dvif-sharing vlan

show consistency-checker dvif-sharing vlan <vlanid> [group <group_ip> | destination-mac <dst_mac>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
dvif-sharing	Verifies dvif-sharing feature
vlan	Consistency check for vlan flood
<i>vlanid</i>	Enter vlan id
group	(Optional) Consistency check for a mcast group
<i>group_ip</i>	(Optional) Multicast IP address of single group to display
destination-mac	(Optional) Consistency check for a destination-mac
<i>dst_mac</i>	(Optional) Multicast Destination mac Address for Vlan to display

Command Mode

- /exec

show consistency-checker egress-xlate private-vlan

show consistency-checker egress-xlate private-vlan <vlan>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
egress-xlate	Check PVLAN egress-xlate
private-vlan	Verifies private-vlan egress-xlate in the hardware
<i>vlan</i>	Enter private-vlan id

Command Mode

- /exec

show consistency-checker ehm interface

show consistency-checker ehm interface { <intf> | all }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
ehm	Show EHM Info
interface	Show interface status and information
<i>intf</i>	Virtual Interface
all	Display All Interfaces

Command Mode

- /exec

show consistency-checker epbr policy

show consistency-checker epbr policy { <policyName> | all } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
epbr	Enhanced Policy-Based Redirect
policy	Policy
<i>policyName</i>	EPBR policy name
all	Check all EPBR policies
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fcoe

```
show consistency-checker fcoe [ { interface <ifl> [ { exclude ping } ] } | { npv [ server-interface <svr_ifl>
external-interface <ext_ifl> ] } | { hw-table { pif | vif | ucpcfg | vsan | acl | fib [ flogi | domain [ local | remote
] ] | fcf | zone | mac } } | { [ exclude ] ping } | { drop [ ingress | egress ] } | qos ] [ verbose [ detail ] ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fcoe	FCoE manager
interface	(Optional) Interface Test
<i>ifl</i>	(Optional) Interface name
npv	(Optional) NPV server to external interface pinning test
server-interface	(Optional) Server Interface Name
<i>svr_ifl</i>	(Optional) Server Interface name
external-interface	(Optional) External Interface Name
<i>ext_ifl</i>	(Optional) External Interface name
hw-table	(Optional) Consistency checker for Hardware Tables
pif	(Optional) PIF Table Test
vif	(Optional) VIF Table Test
ucpcfg	(Optional) Port-channel Program Table Test
vsan	(Optional) VSAN VLAN related tables
acl	(Optional) ACL Test
fib	(Optional) FIB Test
flogi	(Optional) FIB Test for FLOGIs
domain	(Optional) FIB Test for domains
local	(Optional) FIB Test for local domains
remote	(Optional) FIB Test for remote domains
fcf	(Optional) FCF Test
zone	(Optional) ZONE Test
mac	(Optional) MAC Table Test

exclude	(Optional) Exclude given test
ping	(Optional) FCPING Test
drop	(Optional) Hardware drops
ingress	(Optional) Ingress Drop Test
egress	(Optional) Egress Drop Test
qos	(Optional) QOS Test
verbose	(Optional) To get debugs
detail	(Optional) To get detailed debugs

Command Mode

- /exec

show consistency-checker fex-interfaces fabric

show consistency-checker fex-interfaces fabric <ch-id> [membership { vlan <vlan-id> } | stp-state { vlan <vlan-id> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces
fabric	Limits display for fabric port-channel
<i>ch-id</i>	Port-Channel name
membership	(Optional) Check various memberships
stp-state	(Optional) Verify spanning tree state in the hardware
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fex-interfaces fabric egress-xlate private-vlan

show consistency-checker fex-interfaces fabric <fabric-po> egress-xlate private-vlan <vlan> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces
fabric	Fex Fabric poort-channel
<i>fabric-po</i>	Port-Channel name
egress-xlate	Check PVLAN egress-xlate
private-vlan	Verifies private-vlan egress-xlate in the hardware
<i>vlan</i>	Enter private-vlan id
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fex-interfaces fex

show consistency-checker fex-interfaces { fex <id> | interface <ifid> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces
fex	Limit display to interfaces on this fex
<i>id</i>	Enter module number
interface	Limit display to FEX interface
<i>ifid</i>	FEX interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker forwarding

```
show consistency-checker forwarding [ ip | ipv4 ] [ unicast ] [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ] [ module { <module> | all_modules } ]
```

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
unicast	(Optional) unicast
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's

Command Mode

- /exec

show consistency-checker forwarding ipv6

```
show consistency-checker forwarding ipv6 [ unicast ] [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ]
[ module { <module> | all_modules } ]
```

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
ipv6	ipv6
unicast	(Optional) unicast
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's

Command Mode

- /exec

show consistency-checker forwarding single-route ipv4 vrf

```
show consistency-checker forwarding single-route { ipv4 | ipv6 } <ip-prefix> vrf { <vrf-name> |
<vrf-known-name> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
single-route	Run the consistency checker for a single route
ipv4	IPv4 address
ipv6	IPv6 address
<i>ip-prefix</i>	Specify an IP prefix/mask
vrf	check routes for a specific VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fsync

show consistency-checker fsync [debug-logs] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fsync	Do consistency check for frequency synchronization
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker gwmacdb

show consistency-checker gwmacdb [interface { <int-id> | <ch-id> | <vlan-id> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
gwmacdb	Check gateway mac table
interface	(Optional) interface
<i>int-id</i>	(Optional) Physical or Logical interface
<i>ch-id</i>	(Optional) Port-Channel name
<i>vlan-id</i>	(Optional) SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker hardware-telemetry inband brief

show consistency-checker hardware-telemetry inband { brief | detail }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
hardware-telemetry	feature hardware-telemetry
inband	inband-telemetry version
brief	Show consistency checker structured output in brief
detail	Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker hardware-telemetry postcard brief

show consistency-checker hardware-telemetry postcard { brief | detail }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
hardware-telemetry	feature hardware-telemetry
postcard	postcard-telemetry version
brief	Show consistency checker structured output in brief
detail	Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker itd

show consistency-checker itd { <svcName> | all } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
itd	Intelligent traffic director
<i>svcName</i>	ITD service name
all	check all ITD services
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker itd ingress interface source destination

```
show consistency-checker itd ingress interface <intf> source { <src-address> | <src-ipv6-address> } destination
{ <dst-address> | <dst-ipv6-address> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
itd	Intelligent traffic director
ingress	ingress direction
interface	ITD ingress interface
<i>intf</i>	
source	Do consistency check for source
<i>src-address</i>	source IP address
destination	Do consistency check for destination
<i>dst-address</i>	destination IP address
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker itd ingress vlan

show consistency-checker itd ingress vlan <vlanId> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
itd	Intelligent traffic director
ingress	ingress direction
vlan	vlan ID
<i>vlanId</i>	Enter vlan id
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker kim

show consistency-checker kim

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
kim	Kernel Interface

Command Mode

- /exec

show consistency-checker kim interface

show consistency-checker kim { interface <ifid> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
kim	kernel interface
interface	Limit display to interface
<i>ifid</i>	Interface
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2-tahoe mac-address

show consistency-checker l2-tahoe mac-address <mac-addr> [module <module>] [unit <unit>] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 mac programming in the hardware
mac-address	MAC address
<i>mac-addr</i>	address
module	(Optional) Module to run the consistency-checker on
<i>module</i>	(Optional) Module number
unit	(Optional) Unit to run the consistency checker on
<i>unit</i>	(Optional) Enter Unit Number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2-tahoe sub-interface

show consistency-checker l2-tahoe sub-interface { <if_name> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 sub-interface programming in the hardware
sub-interface	sub-interface
<i>if_name</i>	Physical or Logical interface
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2-tahoe sub-interface vlan

show consistency-checker l2-tahoe sub-interface vlan <vlan-id>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 sub-interface programming in the hardware
sub-interface	sub-interface
vlan	Do consistency check for vlan
<i>vlan-id</i>	vlan number

Command Mode

- /exec

show consistency-checker l2-tahoe switchport

```
show consistency-checker l2-tahoe switchport { interface { <if_name> | all } | module { <module> | all } } [
brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 mac programming in the hardware
switchport	Switchport Interface
interface	interface
<i>if_name</i>	Physical or Logical interface
all	All switchport interfaces
module	Module to run the consistency-checker on
<i>module</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2 module

```
show consistency-checker { l2-tahoe | l2-mtc } module <module> [ unit <unit> ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 mac programming in the hardware
l2-mtc	Verify l2 mac programming in the hardware
module	Module to run the consistency-checker on
<i>module</i>	Enter module number
unit	(Optional) Unit to run the consistency checker on
<i>unit</i>	(Optional) Enter unit number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2 multicast group source vlan

show consistency-checker l2 multicast group { <grp-address> | <grp-ipv6-address> } source { <src-address> | <src-ipv6-address> } vlan <vlan-id> [debug-logs | display-cc-time] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2	Verify l2 mac programming in the hardware
multicast	multicast related information
group	Do consistency check for group
<i>grp-address</i>	group IP address
source	Do consistency check for source
<i>src-address</i>	source IP address
vlan	Do consistency check for vlan
<i>vlan-id</i>	vlan number
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
display-cc-time	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2 multicast mac vlan

show consistency-checker l2 multicast mac <mac-address> vlan <vlan-id> [debug-logs] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2	Verify l2 mac programming in the hardware
multicast	multicast related information
mac	Do consistency check for multicast mac address lookup
<i>mac-address</i>	mac address
vlan	Do consistency check for vlan
<i>vlan-id</i>	vlan number
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l3-interface

```
show consistency-checker l3-interface { all | module <moduleid> [ brief | detail ] | interface { <ifid> | <ch-id>
| <vlan-id> } [ brief | detail ] }
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l3-interface	Compares software and hardware properties of L3 interfaces
all	Run on all modules on the switch
module	Limit display to interfaces on module
<i>moduleid</i>	Module number
interface	Limit display to interface
<i>ifid</i>	Interface name
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l3 multicast group source vrf

```
show consistency-checker l3 multicast [ overlay-only ] group { <grp-address> [ <mask> ] | <gprefix> |
<grp-ipv6-address> } source { <src-address> | <src-ipv6-address> } vrf { <vrf-name> | <vrf-known-name>
} [ debug-logs | display-cc-time ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l3	l3 consistency
multicast	multicast related information
overlay-only	(Optional) perform cc for trm overlay info only
group	Do consistency check for group
<i>grp-address</i>	group IP address
<i>mask</i>	(Optional) mask for group ip address
<i>gprefix</i>	IPv4 Multicast Group Prefix
source	Do consistency check for source
<i>src-address</i>	source IP address
vrf	Do consistency check for vrf
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
display-cc-time	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker link-state fabric-ieth

```
show consistency-checker link-state fabric-ieth { [ module <module> ] } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
link-state	Compares software and hardware link state of interfaces
fabric-ieth	Internal Fabric ports
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker link-state module

show consistency-checker link-state { module <module> | interface <ifid> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
link-state	Compares software and hardware link state of interfaces
module	Limit display to interfaces on module
<i>module</i>	Module number
interface	Limit display to interface
<i>ifid</i>	Interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker macsec interface

show consistency-checker macsec interface { <if_name> | all } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
macsec	Check macsec
interface	interface info
<i>if_name</i>	Physical or Logical interface
all	All switchport interfaces
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker membership port-channels

show consistency-checker membership port-channels [interface <ch-id>] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
membership	Check various memberships
port-channels	Verifies port channel membership in the hardware
interface	(Optional) Port-channel number
<i>ch-id</i>	(Optional) Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker membership vlan

```
show consistency-checker membership vlan <vlanid> [ [ interface [ <intf-id> | <ch-id> ] ] ] [ private-vlan [
interface [ <int-id> | <ch-id> ] ] ] [ native-vlan ] [ brief | detail ]
```

Syntax Description

show	Show running system information
vlan	Verifies vlan membership in the hardware
<i>vlanid</i>	Enter vlan id
consistency-checker	Consistency Checker
membership	Check various memberships
interface	(Optional) Interface
<i>intf-id</i>	(Optional) Interface
<i>ch-id</i>	(Optional) Port-Channel name
private-vlan	(Optional) Check private-vlan primary vlan
interface	(Optional) Interface
<i>int-id</i>	(Optional) Interface name
<i>ch-id</i>	(Optional) Port-Channel name
native-vlan	(Optional) Check for native vlans
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker monitor session

show consistency-checker monitor session { <session-id> | all } [debug]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session-id</i>	Enter monitor session id
all	All sessions
debug	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show consistency-checker multicast nlb cluster-ip vrf

show consistency-checker multicast nlb cluster-ip <ip-address> vrf { <vrf-name> | <vrf-known-name> } [debug-logs] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
multicast	multicast related information
nlb	Do consistency check for Multicast NLB
cluster-ip	Cluster virtual unicast IP address
<i>ip-address</i>	Cluster IP address
vrf	Do consistency check for vrf
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker multicast vlan

show consistency-checker multicast vlan <vlanid> [group <group_ip> | destination-mac <dst_mac>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
multicast	Verify Multicast
vlan	Verifies vlan flood sharing
<i>vlanid</i>	Enter vlan id
group	(Optional) Do consistency check for a group
<i>group_ip</i>	(Optional) Multicast IP address of single group to display
destination-mac	(Optional) Do consistency check for a destination-mac
<i>dst_mac</i>	(Optional) Multicast Destination mac Address for Vlan to display

Command Mode

- /exec

show consistency-checker niv-datapath interface

show consistency-checker niv-datapath interface [<intf> | veth-all]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
niv-datapath	Verify NIV Datapath for a given interface
interface	Show interface status and information
<i>intf</i>	(Optional) Virtual interface
veth-all	(Optional) Run consistency-checker for all Veths

Command Mode

- /exec

show consistency-checker pacl extended ingress ip interface

show consistency-checker pacl extended ingress ip interface { <int-id> | <ch-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress ip module

show consistency-checker pacl extended ingress ip module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
module	Limit display to L2 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress ipv6 module

show consistency-checker pacl extended ingress ipv6 module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
module	Limit display to L2 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress ipv6 interface

show consistency-checker pacl extended ingress ipv6 interface { <int-id> | <ch-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress mac interface

show consistency-checker pacl extended ingress mac interface { <int-id> | <ch-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
mac	ethernet protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress mac module

show consistency-checker pacl extended ingress mac module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
mac	ethernet protocol
module	Limit display to L2 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended module

show consistency-checker pacl extended module { all | <module-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
module	Limit display to L2 interfaces on this module
all	To run cc across all the modules
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl module

show consistency-checker pacl module <module>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
module	Limit display to L2 interfaces on this module
<i>module</i>	Enter module number

Command Mode

- /exec

show consistency-checker pacl port-channels

show consistency-checker pacl port-channels [interface <ch-id>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
port-channels	Verifies port channel pacl programming in the hardware
interface	(Optional) Port-channel number
<i>ch-id</i>	(Optional) Port-Channel name

Command Mode

- /exec

show consistency-checker port-state

show consistency-checker port-state [{ module <module> | interface <ifid> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
port-state	Validates SI, MTU and IPG Settings
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
interface	(Optional) Limit display to interface
<i>ifid</i>	(Optional) Interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker port-state fabric-ieth

```
show consistency-checker port-state fabric-ieth [ module <module> [ ieth-port <ieth-port> ] ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
port-state	Validates SI, FEC and MTU Settings
fabric-ieth	Internal Fabric ports
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
ieth-port	(Optional) Enter ieth-port number
<i>ieth-port</i>	(Optional) Enter ieth-port number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pv-mapping

show consistency-checker pv-mapping

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pv-mapping	pv-mapping consistency checker

Command Mode

- /exec

show consistency-checker pv-mapping interface

show consistency-checker pv-mapping interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pv-mapping	pv-mapping consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker qinq

show consistency-checker qinq [interface [<int-id> | <ch-id>]]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
qinq	QinQ consistency checker
interface	(Optional) Interface
<i>int-id</i>	(Optional) Eth Interface
<i>ch-id</i>	(Optional) Port-Channel

Command Mode

- /exec

show consistency-checker racl extended egress ipv6 module

show consistency-checker racl extended egress ipv6 module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ipv6	ipv6 protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended egress ip module

show consistency-checker racl extended egress ip module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ip	ip protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended egress ip interface

show consistency-checker racl extended egress ip interface { <int-id> | <ch-id> | <vlan-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ip	ip protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended egress ipv6 interface

```
show consistency-checker racl extended egress ipv6 interface { <int-id> | <ch-id> | <vlan-id> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ipv6	ipv6 protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ip interface

```
show consistency-checker racl extended ingress ip interface { <int-id> | <ch-id> | <vlan-id> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ip module

show consistency-checker racl extended ingress ip module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ipv6 module

show consistency-checker racl extended ingress ipv6 module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ipv6 interface

```
show consistency-checker racl extended ingress ipv6 interface { <int-id> | <ch-id> | <vlan-id> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended module

show consistency-checker racl extended module { all | <module-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
module	Limit display to L3 interfaces on this module
all	To run CC across all the modules
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl module

show consistency-checker racl module <module>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
module	Limit display to L3 interfaces on this module
<i>module</i>	Enter module number

Command Mode

- /exec

show consistency-checker racl port-channels

```
show consistency-checker racl port-channels [ interface <ch-id> ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
port-channels	Verifies port channel racl programming in the hardware
interface	(Optional) Port-channel number
<i>ch-id</i>	(Optional) Port-Channel name

Command Mode

- /exec

show consistency-checker racl svi interface

show consistency-checker racl svi interface <vlan-id>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
svi	Verifies SVI racl programming in the hardware
interface	SVI number
<i>vlan-id</i>	SVI VLAN

Command Mode

- /exec

show consistency-checker segment-routing mpls

show consistency-checker segment-routing mpls { ip <ip-address> mask <ip-mask> vrf <vrf-name> | label <label> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
segment-routing	Segment-routing
mpls	MPLS Information
ip	IP Information
<i>ip-address</i>	IP Address
mask	Mask Information
<i>ip-mask</i>	Mask Length
vrf	VRF Information
<i>vrf-name</i>	VRF Name
label	Label Information
<i>label</i>	Label Name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker selective-qinq

show consistency-checker selective-qinq

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
selective-qinq	Selective QinQ consistency checker

Command Mode

- /exec

show consistency-checker selective-qinq interface

show consistency-checker selective-qinq interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
selective-qinq	Selective QinQ consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker sflow

show consistency-checker sflow [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
sflow	Compares software and hardware sflow details
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker storm-control

show consistency-checker storm-control

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
storm-control	Storm control consistency checker

Command Mode

- /exec

show consistency-checker stp-state vlan

show consistency-checker stp-state vlan <vlan> [interface <int-id>] [brief | detail]

Syntax Description

show	Show running system information
vlan	Verifies spanning tree state in the hardware for all interfaces in the vlan
<i>vlan</i>	Enter vlan id
interface	(Optional) Interface
<i>int-id</i>	(Optional) Interface
consistency-checker	Consistency Checker
stp-state	Verify spanning tree state in the hardware
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker tap-aggregation qinq

show consistency-checker tap-aggregation qinq

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
tap-aggregation	Tap Aggregation Feature
qinq	QinQ consistency checker

Command Mode

- /exec

show consistency-checker tap-aggregation qinq interface

show consistency-checker tap-aggregation qinq interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
tap-aggregation	Tap Aggregation Feature
qinq	QinQ consistency checker
interface	Interface
<i>int-id</i>	Eth Interface
<i>ch-id</i>	Port-Channel

Command Mode

- /exec

show consistency-checker transceiver

show consistency-checker transceiver [{ module <module> | interface <ifid> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
transceiver	Validates transceiver Settings
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
interface	(Optional) Limit display to interface
<i>ifid</i>	(Optional) Interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vacl

show consistency-checker vacl

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware

Command Mode

- /exec

show consistency-checker vacl extended ingress ipv6 vlan

show consistency-checker vacl extended ingress ipv6 vlan <vlan-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
vlan	VLAN
<i>vlan-id</i>	vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vacl extended ingress ip vlan

show consistency-checker vacl extended ingress ip vlan <vlan-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
vlan	VLAN
<i>vlan-id</i>	vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vACL extended ingress mac vlan

show consistency-checker vACL extended ingress mac vlan <vlan-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vACL	Verify vACL programming in the hardware
extended	extended
ingress	ingress direction
mac	ethernet protocol
vlan	VLAN
<i>vlan-id</i>	vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vpc

show consistency-checker vpc [source-interface [<int-id> | <ch-id>]] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vpc	vPC related information
source-interface	(Optional) Source vPC member
<i>int-id</i>	(Optional) Eth Interface
<i>ch-id</i>	(Optional) Port-Channel
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vpgrouping interface

show consistency-checker vpgrouping interface { <intf> | all }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vpgrouping	Show VP Grouping Info
interface	Show interface status and information
<i>intf</i>	Physical or Logical Interface
all	Display All Interfaces

Command Mode

- /exec

show consistency-checker vxlan config-check

show consistency-checker vxlan config-check [verbose-mode] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
config-check	Check the inconsistencies in the config
verbose-mode	(Optional) config-check verbose
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan infra

show consistency-checker vxlan infra [verbose-mode] [brief | detail]

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
infra	infra
verbose-mode	(Optional) detailed CC output
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l2 mac-address module

show consistency-checker vxlan l2 mac-address <mac-addr> module <module> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l2	l2
mac-address	MAC address
<i>mac-addr</i>	address
module	Module to run the consistency-checker on
<i>module</i>	Module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l2 module

show consistency-checker vxlan l2 module <module> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l2	Check L2 inconsistencies
module	Module to run the consistency-checker on
<i>module</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l2pt

show consistency-checker vxlan l2pt

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l2pt	L2pt consistency checker

Command Mode

- /exec

show consistency-checker vxlan l3 single-route ipv4 vrf

```
show consistency-checker vxlan l3 single-route { ipv4 | ipv6 } <ip-prefix> vrf { <vrf-name> |
<vrf-known-name> } [ debug-logs ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l3	l3
single-route	Run the consistency checker for a single route
ipv4	IPv4 address
ipv6	IPv6 address
<i>ip-prefix</i>	Overlay L3 Route IP Address in prefix/mask format
vrf	Do consistency check for vrf
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l3 vrf start

show consistency-checker vxlan l3 vrf { <vrf-name> | all } { start-scan | report }

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
l3	l3
vrf	VRF
<i>vrf-name</i>	vrf name
all	All VRFs
start-scan	Start Route CC
report	Show Route CC report

Command Mode

- /exec

show consistency-checker vxlan mh mac-addresses

show consistency-checker vxlan mh mac-addresses [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
mh	VxLAN BGP EVPN Multi Homing CC commands
mac-addresses	Check mac address consistency between L2RIB and L2FM
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan mh pathlist

show consistency-checker vxlan mh pathlist [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
mh	VxLAN BGP EVPN Multi Homing CC commands
pathlist	Check Vxlan BGP EVPN MH Control plane and resultant pathlists consistency
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan pv

show consistency-checker vxlan pv

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
pv	PV consistency checker

Command Mode

- /exec

show consistency-checker vxlan pv interface

show consistency-checker vxlan pv interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
pv	PV consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker vxlan qinq-qinvni

show consistency-checker vxlan qinq-qinvni

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
qinq-qinvni	QinQ consistency checker

Command Mode

- /exec

show consistency-checker vxlan qinvni

show consistency-checker vxlan qinvni

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
qinvni	QinVNI consistency checker

Command Mode

- /exec

show consistency-checker vxlan selective-qinvni

show consistency-checker vxlan selective-qinvni

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
selective-qinvni	Selective QinVNI consistency checker

Command Mode

- /exec

show consistency-checker vxlan selective-qinvni interface

show consistency-checker vxlan selective-qinvni interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
selective-qinvni	Selective QinVNI consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker vxlan vlan

show consistency-checker vxlan vlan { <vlanid> | all } [verbose-mode] [brief | detail]

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
vlan	Verifies flood list programming for vxlan vlans
consistency-checker	Consistency Checker
<i>vlanid</i>	Enter vlan id
all	Check CC for all vxlans
verbose-mode	(Optional) detailed CC output
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan xconnect

show consistency-checker vxlan xconnect

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
xconnect	Cross-Connect consistency checker

Command Mode

- /exec

show controller accounting log

show controller <ctrl-id> accounting log

Syntax Description

show	Show running system information
controller	Controller command
<i>ctrl-id</i>	Controller id value
accounting	Accounting
log	Show log information

Command Mode

- /exec

show copp diff profile profile2

show copp diff profile <profile_type> [prior-ver] profile2 <profile_type2>

Syntax Description

show	Show running system information
copp	Control-Plane Policing
diff	Difference between CoPP Profiles
profile	CoPP Profile
<i>profile_type</i>	CoPP Profile Types
prior-ver	(Optional) Previous Configured Version
profile2	CoPP Profile
<i>profile_type2</i>	CoPP Profile Types

Command Mode

- /exec

show copp profile

show copp profile { strict | moderate | lenient | dense }

Syntax Description

show	Show running system information
copp	Control-Plane Policing
profile	CoPP Profile
strict	display strict profile
moderate	display moderate profile
lenient	display lenient profile
dense	display dense profile

Command Mode

- /exec

show copp status

show copp status

Syntax Description

show	Show running system information
copp	Control-Plane Policing
status	Show the internal status of CoPP

Command Mode

- /exec

show copyright

show copyright

Syntax Description

show	Show running system information
copyright	Copyright information

Command Mode

- /exec

show cores

```
show cores [ vdc-all | { vdc [ <e-vdc2> | <vdc-id> ] } ]
```

Syntax Description

show	Show running system information
cores	show all core dumps for the current vdc
vdc-all	(Optional) show core dumps from all vdc
vdc	(Optional) show all core dumps for the vdc

Command Mode

- /exec

show crypto ca certificates

show crypto ca certificates

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
certificates	show various certificates

Command Mode

- /exec

show crypto ca certificates

show crypto ca certificates <s0>

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
certificates	show various certificates
s0	trustpoint label

Command Mode

- /exec

show crypto ca certstore

show crypto ca certstore

Syntax Description

show	Show running system information
crypto	Show crypto configuration
ca	show crypto ca configuration
certstore	Show the configured certstore

Command Mode

- /exec

show crypto ca crl

show crypto ca crl <s0>

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
crl	show CRL
s0	trustpoint label

Command Mode

- /exec

show crypto ca remote-certstore

show crypto ca remote-certstore

Syntax Description

show	Show running system information
crypto	Show crypto configuration
ca	show crypto ca configuration
remote-certstore	Show remote certstore configuration

Command Mode

- /exec

show crypto ca trustpoints

show crypto ca trustpoints

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
trustpoints	show trustpoint configuration

Command Mode

- /exec

show crypto ca trustpool

show crypto ca trustpool

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show trustpool data
trustpool	trustpool contents

Command Mode

- /exec

show crypto ca trustpool last download status

show crypto ca trustpool last download status

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show trustpool data
trustpool	trustpool data
last	last trustpool download status
download	download of trustpool
status	download status

Command Mode

- /exec

show crypto ca trustpool policy

show crypto ca trustpool policy

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show Certificate authority related config
trustpool	show trustpool policy
policy	trustpool configuration

Command Mode

- /exec

show crypto certificatemap

show crypto certificatemap

Syntax Description

show	Show running system information
crypto	show crypto configuration
certificatemap	show certificatemap filters

Command Mode

- /exec

show crypto key mypubkey ecc

show crypto key mypubkey ecc

Syntax Description

show	Show running system information
crypto	show crypto configuration
key	show key configuration
mypubkey	show my public keys configuration
ecc	show my ecc public keys configuration

Command Mode

- /exec

show crypto key mypubkey rsa

show crypto key mypubkey rsa

Syntax Description

show	Show running system information
crypto	show crypto configuration
key	show key configuration
mypubkey	show my public keys configuration
rsa	show my rsa public keys configuration

Command Mode

- /exec

show crypto ssh-auth-map

show crypto ssh-auth-map

Syntax Description

show	Show running system information
crypto	show crypto configuration
ssh-auth-map	show mapping filters applied for ssh authentication

Command Mode

- /exec

show cts

show cts

Syntax Description

cts	Show CTS global configuration
-----	-------------------------------

Command Mode

- /exec

show current

show current

Syntax Description

show	Display region configurations
current	Display mst configuration currently used

Command Mode

- /exec/configure/spanning-tree/mst/configuration



D Show Commands

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show dampening interface

show dampening interface

Syntax Description

show	Show running system information
dampening	Display dampening information
interface	Display interface dampening general information

Command Mode

- /exec

show device-alias database

show device-alias database

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
database	Show Device Alias database

Command Mode

- /exec

show device-alias merge status

show device-alias merge status

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
merge	Show merge information
status	Show device-alias merge status

Command Mode

- /exec

show device-alias name

show device-alias name <s0> [pending]

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
name	Show Device Alias information given a name
<i>s0</i>	Enter Device Alias name
pending	(Optional) Show pending Device Alias information given a name

Command Mode

- /exec

show device-alias pending-diff

show device-alias pending-diff

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
pending-diff	Show pending diff for Device Alias database

Command Mode

- /exec

show device-alias pending

show device-alias pending

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
pending	Show pending Device Alias database

Command Mode

- /exec

show device-alias pwwn

```
show device-alias pwwn <wwn0> [ pending ]
```

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
pwwn	Show Device Alias information given a port WWN
<i>wwn0</i>	Enter port WWN
pending	(Optional) Show pending Device Alias information given a port WWN

Command Mode

- /exec

show device-alias session rejected

show device-alias session rejected

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
session	Show session information
rejected	Show rejected command list

Command Mode

- /exec

show device-alias session status

show device-alias session status

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
session	Show session information
status	Show device-alias session status

Command Mode

- /exec

show device-alias statistics

show device-alias statistics

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
statistics	Show device-alias statistics

Command Mode

- /exec

show device-alias status

show device-alias status

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
status	Show device-alias status

Command Mode

- /exec

show diagnostic bootup level

show diagnostic bootup level

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
bootup	Show diagnostic bootup information
level	Show diagnostic bootup level information

Command Mode

- /exec

show diagnostic content module

show diagnostic content module { all | <module> }

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
content	Show diagnostic test content
module	Module Keyword
all	Select all module ID
<i>module</i>	Module number

Command Mode

- /exec

show diagnostic description module test all

show diagnostic description module <module> test { all | <name> | <test-id> }

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
description	Show diagnostic test desc
module	Module keyword
<i>module</i>	Module Number
test	Diagnostic test selection
all	Select all test ID
<i>name</i>	Test name
<i>test-id</i>	

Command Mode

- /exec

show diagnostic events

show diagnostic events [error | info]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
events	Diagnostic events
error	(Optional) Error event-type
info	(Optional) Information event-type

Command Mode

- /exec

show diagnostic ondemand setting

show diagnostic ondemand setting

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
ondemand	Show diagnostic on demand information
setting	Show diagnostic on demand settings

Command Mode

- /exec

show diagnostic result module

```
show diagnostic result module <module> [ test { <name> | <test-id> } ] { [ detail ] | [ statistics ] }
```

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
result	Show diagnostic test result
module	Module keyword
<i>module</i>	Module number
test	(Optional) Diagnostic test selection
<i>test-id</i>	(Optional)
<i>name</i>	(Optional) Test name
detail	(Optional) Detailed result
statistics	(Optional) Result statistics

Command Mode

- /exec

show diagnostic result module all

show diagnostic result module all [detail]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
result	Show diagnostic test result
module	Module keyword
all	Select all test ID
detail	(Optional) Detailed result

Command Mode

- /exec

show diagnostic simulation module

show diagnostic simulation module <module>

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
simulation	Simulating Diagnostic result
module	Module keyword
<i>module</i>	Module Number

Command Mode

- /exec

show diagnostic status module

show diagnostic status module <module>

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
status	Show test status(running/enqueued)
module	Module keyword
<i>module</i>	Module number

Command Mode

- /exec

show diff rollback-patch

```
show diff rollback-patch { src-checkpoint <chkpoint_name> | src-running-cfg | src-startup-cfg | src-file
<srcfile_uri> } { dst-checkpoint <chkpoint_name> | dst-running-cfg | dst-startup-cfg | dst-file <dstfile_uri>
}
```

Syntax Description

show	Show running system information
diff	Show diff between configuration files or checkpoints
rollback-patch	Show rollback patch between configuration files or checkpoints
src-checkpoint	Use checkpoint as source configuration
<i>chkpoint_name</i>	Checkpoint name
src-running-cfg	Use running configuration as source
src-startup-cfg	Use startup configuration as source
src-file	Src Checkpoint file
<i>srcfile_uri</i>	Src Checkpoint file path
dst-checkpoint	Use checkpoint as destination configuration
<i>chkpoint_name</i>	Checkpoint name
dst-running-cfg	Use running configuration as destination
dst-startup-cfg	Use startup configuration as destination
dst-file	Dst Checkpoint file
<i>dstfile_uri</i>	Src Checkpoint file path

Command Mode

- /exec

show diff running

show diff { running-config <file_uri> [partial] | startup-config <file_uri> } [unified]

Syntax Description

show	Show running system information
running-config	Current operating configuration
startup-config	Current startup configuration
<i>file_uri</i>	File path to compare with
diff	Show the difference between running/startup and user configuration in context format
unified	(Optional) Show the difference between running/startup and user configuration in unified format
partial	(Optional) User configuration file is partial and not a full configuration

Command Mode

- /exec

show dot1q-tunnel

show dot1q-tunnel

Syntax Description

show	Show running system information
dot1q-tunnel	Show if port mode is dot1q-tunnel

Command Mode

- /exec

show dot1q-tunnel interface

show dot1q-tunnel interface <ifid_eth_dot1q_tunnel>

Syntax Description

show	Show running system information
dot1q-tunnel	Show if port mode is dot1q-tunnel
interface	Show interface status and information
<i>ifid_eth_dot1q_tunnel</i>	Enter interface type and number in module/slot format

Command Mode

- /exec

show dot1x

show dot1x

Syntax Description

dot1x	dot1x configuration commands
-------	------------------------------

Command Mode

- /exec

show dot1x all

show dot1x all

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces

Command Mode

- /exec

show dot1x all details

show dot1x all details

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
details	802.1x details

Command Mode

- /exec

show dot1x all statistics

show dot1x all statistics

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
statistics	802.1x statistics

Command Mode

- /exec

show dot1x all summary

show dot1x all summary

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
summary	802.1x summary

Command Mode

- /exec

show dot1x interface

{ show dot1x interface <if>

Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	
details	802.1x details
statistics	802.1x statistics
summary	802.1x summary
TABLE_if_auth_clients_detail	(Optional)
TABLE_if_auth_clients_summary	(Optional)

Command Mode

- /exec

show dot1x interface client statistics

show dot1x interface <if> client statistics

Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	
client	802.1x client
statistics	802.1x statistics

Command Mode

- /exec

show dot1x interface client statistics address

show dot1x interface <if> client statistics address <mac-address>

Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	
client	802.1x client
statistics	802.1x statistics
address	802.1x client address
<i>mac-address</i>	mac address EE:EE:EE:EE:EE:EE

Command Mode

- /exec

show dpvm database

show dpvm database [active]

Syntax Description

show	Show running system information
dpvm	Show dpvm
database	Show dpvm configured database
active	(Optional) Show dpvm activated database

Command Mode

- /exec

show dpvm fip

show dpvm fip

Syntax Description

show	Show running system information
dpvm	Show dpvm commands
fip	Display the enabled FIP

Command Mode

- /exec

show dpvm merge statistics

show dpvm merge statistics

Syntax Description

show	Show running system information
dpvm	Show dpvm
merge	Show dpvm merge information
statistics	Show dpvm merge statistics

Command Mode

- /exec

show dpvm merge status

show dpvm merge status

Syntax Description

show	Show running system information
dpvm	Show dpvm
merge	Show dpvm merge information
status	Show dpvm merge status

Command Mode

- /exec

show dpvm pending-diff

show dpvm pending-diff

Syntax Description

show	Show running system information
dpvm	Show dpvm
pending-diff	Pending DPVM configuration diff

Command Mode

- /exec

show dpvm pending

show dpvm pending [activation status]

Syntax Description

show	Show running system information
dpvm	Show dpvm
pending	Pending DPVM configuration
activation	(Optional) Pending activate db
status	(Optional) Show dpvm activate failure status

Command Mode

- /exec

show dpvm ports

show dpvm ports [vsan <i0>]

Syntax Description

show	Show running system information
dpvm	Show dpvm
ports	Show dpvm dynamic ports
vsan	(Optional) Show dpvm dynamic ports for a given VSAN
<i>i0</i>	(Optional) vsan id

Command Mode

- /exec

show dpvm session status

show dpvm session status

Syntax Description

show	Show running system information
dpvm	Show dpvm
session	Show dpvm session information
status	Show dpvm session status

Command Mode

- /exec

show dpvm status

show dpvm status

Syntax Description

show	Show running system information
dpvm	Show dpvm
status	Show dpvm status

Command Mode

- /exec

show dpvm status



E Show Commands

- [show ecp, on page 350](#)
- [show elam report, on page 351](#)
- [show email, on page 352](#)
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- [show esmc counters interface, on page 360](#)
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- [show event manager system-policy, on page 372](#)

show ecp

show ecp [detail]

Syntax Description

show	Show running system information
ecp	ECP (Edge Control Protocol)
detail	(Optional) Detailed information

Command Mode

- /exec

show elam report

show elam report [l2 | l3 | l4 | aclqos | mcast | mpls]

Syntax Description

show	Show running system information
elam	elam
report	Show ELAM report
l2	(Optional) Layer 2 header report
l3	(Optional) Layer 3 header report
l4	(Optional) Layer 4 header report
aclqos	(Optional) Aclqos report
mcast	(Optional) Multicast report
mpls	(Optional) MPLS report

Command Mode

- /exec/elamtah/outsel2

show email

show email

Syntax Description

show	Show running system information
email	Pipe email configuration

Command Mode

- /exec

show encryption service status

show encryption service status

Syntax Description

show	Show running system information
encryption	Encryption service
service	Encryption service
status	Encryption service status

Command Mode

- /exec

show environment

```
show environment [ fan [ detail1 ] | power [ detail ] [ ampere ] [ input ] | temperature [ module <module> |
<s0> <santa-cruz-range> | psu ] ]
```

Syntax Description

show	Show running system information
environment	system environment information
fan	(Optional) Fan information
power	(Optional) Power capacity and power distribution information
detail	(Optional) Detail Fan-tray information when used with Fan. Detail Power capacity and power distribution information when used with Power
detail1	(Optional) Detail Fan-tray information when used with Fan
ampere	(Optional) Ampere Power capacity and power distribution information
input	(Optional) Power supply power input
temperature	(Optional) temperature sensor information
module	(Optional) enter a module number
<i>module</i>	(Optional) please enter the module number
<i>s0</i>	(Optional) xbar
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
psu	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show environment power history

show environment power history [target { 1min | 1hr | 24hr | 14days [day <day_num>] } | peak]

Syntax Description

show	Show running system information
environment	system environment information
power	Power capacity and power distribution information
history	PS history
target	(Optional) Power usage target
1min	(Optional) 1min
1hr	(Optional) 1hr
24hr	(Optional) 24hr
14days	(Optional) 14days
day	(Optional) specify day
<i>day_num</i>	(Optional) For 14 days specify the number 1-14 to display op
peak	(Optional) Power usage history peak

Command Mode

- /exec

show epbr policy

show epbr policy [<policy-name>] [reverse]

Syntax Description

show	Show running system information
epbr	Show information about epbr
policy	EPBR policy name
<i>policy-name</i>	(Optional) Policy name
reverse	(Optional) Apply the policy in reverse dir

Command Mode

- /exec

show epbr statistics policy

show epbr statistics policy <policy-name> [reverse]

Syntax Description

show	Show running system information
epbr	Show information about epbr
statistics	EPBR Statistics
policy	EPBR Policy
TABLE_pmap_intf	(Optional)
<i>pmap_interface</i>	(Optional) Ingress Interface
<i>policy-name</i>	Policy name
reverse	(Optional) Apply the policy in reverse dir

Command Mode

- /exec

show errdisable detect

show errdisable { detect | recovery }

Syntax Description

show	Show running system information
errdisable	Error disable
detect	Show errdisable detect
recovery	Show errdisable recovery

Command Mode

- /exec

show errdisable flap

show errdisable flap

Syntax Description

show	Show running system information
errdisable	Error disable
flap	linkstate flapping

Command Mode

- /exec

show esmc counters interface

show esmc counters { interface <if0> | all }

Syntax Description

show	Show running system information
esmc	Ethernet Synchronization Messaging Channel

Command Mode

- /exec

show esmc packet-trace

show esmc packet-trace

Syntax Description

show	Show running system information
esmc	Ethernet Synchronization Messaging Channel

Command Mode

- /exec

show ethanalyzer background-session

```
show ethanalyzer background-session { [ processes ] | [ config ] }
```

Syntax Description

show	Show running system information
ethanalyzer	Configure cisco packet analyzer
background-session	Show background packet analyzer sessions
processes	(Optional) Show background packet analyzer sessions processes
config	(Optional) Print background packet analyzer session configuration file

Command Mode

- /exec

show evb

show evb

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)

Command Mode

- /exec

show evb hosts

```
show evb hosts [ { summary | detail | internal-info } ] [ { [ mac <mac-addr> | interface <intf-name> | vlan
<vlan-id> | vni <vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> | name <host-name> ] + } ]
```

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
hosts	Host information
summary	(Optional) Display summary information
detail	(Optional) Display detailed information
internal-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mac	(Optional) Display hosts by MAC address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Display hosts by interface
<i>intf-name</i>	(Optional) Interface name
vlan	(Optional) Display hosts by VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) Display hosts by Virtual Network Identifier
<i>vni-id</i>	(Optional) VNI
ip	(Optional) Display hosts by IP address
ipv6	(Optional) Display hosts by IPv6 address
<i>ip-addr</i>	(Optional) IP address
name	(Optional) Display hosts by host name
<i>host-name</i>	(Optional) Host name substring

Command Mode

- /exec

show evb vsi

```
show evb vsi [ { summary | detail | internal-info } ] [ { [ mac <mac-addr> | interface <intf-name> | vlan
<vlan-id> | vni <vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> ] + } ]
```

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
vsi	Virtual Station Interface (VSI) information
summary	(Optional) Display summary information
detail	(Optional) Display detailed information
internal-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mac	(Optional) Display VSI by MAC address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Display VSI by interface
<i>intf-name</i>	(Optional) Interface name
vlan	(Optional) Display VSI by VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) Display VSI by Virtual Network Identifier
<i>vni-id</i>	(Optional) VNI
ip	(Optional) Display VSI by IP address
ipv6	(Optional) Display VSI by IPv6 address
<i>ip-addr</i>	(Optional) IP address

Command Mode

- /exec

show event manager environment

```
show event manager environment { all | <varname> }
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
environment	Show information about environment variables
all	Show information about all the configured environment variables
<i>varname</i>	The environment variable name on which information is required

Command Mode

- /exec

show event manager event-types

```
show event manager event-types [ all | <event-type-name> ] [ module <module-id> ]
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
event-types	Show information about registered event types
all	(Optional) Show information about advanced event types as well
<i>event-type-name</i>	(Optional) Show information about the specified event type
module	(Optional) Show information about event types on other modules
<i>module-id</i>	(Optional) Module Id

Command Mode

- /exec

show event manager events action-log

show event manager events action-log [policy <policy-name> | event-type <event-type-name>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
events	Show information about the history of past events
action-log	Show policy action logs
policy	(Optional) Name of policy
<i>policy-name</i>	(Optional) Enter policy name
event-type	(Optional) Name of event
<i>event-type-name</i>	(Optional) Enter event type

Command Mode

- /exec

show event manager history events

show event manager history events [detail] [maximum <n-events>] [severity <sev>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
history	Show information about the history of past activity
events	Show information about the history of past events
detail	(Optional) Show information about the event parameters as well
maximum	(Optional) Specify an upper limit on the number of events to be shown
<i>n-events</i>	(Optional) Specify the maximum number of events to be shown
severity	(Optional) Show only those events whose severity is \geq specified severity
<i>sev</i>	(Optional) Enter the severity threshold

Command Mode

- /exec

show event manager policy-state

show event manager policy-state <name> [module <module-id>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
policy-state	Show information about the state of a policy
<i>name</i>	Name of the policy
module	(Optional) Get the information from a module
<i>module-id</i>	(Optional) Module Id

Command Mode

- /exec

show event manager script system

show event manager script system { all | <script-name> }

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
script	Show information about a script policy
system	Show information about a system script policy
all	Show all the available system script policies
<i>script-name</i>	Name of the system script policy

Command Mode

- /exec

show event manager system-policy

show event manager system-policy [all | <policy-name>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
system-policy	Show information about default system policies
all	(Optional) Show all policies (including advanced and non-overridable ones)
<i>policy-name</i>	(Optional) Show detailed information about the specified policy

Command Mode

- /exec



F Show Commands

- [show fabric-binding database, on page 378](#)
- [show fabric-binding efmd statistics, on page 379](#)
- [show fabric-binding fip, on page 380](#)
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show fabric-binding database

show fabric-binding database [{ active [vsan <i0>] | vsan1 <i1> }]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
database	Show Fabric Binding Configured database
active	(Optional) Activated Fabric Bindings
vsan	(Optional) VSAN id
<i>i0</i>	(Optional) VSAN range
vsan1	(Optional) VSAN id
<i>i1</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding efmd statistics

show fabric-binding efmd statistics [vsan <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
efmd	Exchange Fabric Membership Data
statistics	EFMD protocol statistics
vsan	(Optional) VSAN id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding fip

show fabric-binding fip

Syntax Description

show	Show running system information
fabric-binding	Fabric Binding configuration
fip	Display the enabled FIP

Command Mode

- /exec

show fabric-binding statistics

show fabric-binding statistics [vsan <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
statistics	Statistics of Fabric Binding
vsan	(Optional) VSAN Id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding status

show fabric-binding status [vsan <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
status	Fabric binding Status
vsan	(Optional) VSAN Id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding violations

show fabric-binding violations [last <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
violations	Violations of Fabric Binding policies
last	(Optional) Latest n violations
<i>i0</i>	(Optional) Violation number

Command Mode

- /exec

show fabric database dci

```
show fabric database dci [ { vrf { <vrf-name> | <vrf-known-name> } [ peer-id <peer-ip-address> ] [ detail ]
} ]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
dci	DCI Profile Database
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
peer-id	(Optional) management ip address of peer
<i>peer-ip-address</i>	(Optional) IP address in CIDR format
detail	(Optional) Show detailed information

Command Mode

- /exec

show fabric database host

```
show fabric database host [ detail ] [ { vni <vni-id> } | { dot1q <vlan-id> } ]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Host to profile mapping
detail	(Optional) Show hosts and interfaces
vni	(Optional) Virtual Network Identifier
<i>vni-id</i>	(Optional)
dot1q	(Optional) Dot1Q Encapsulation
<i>vlan-id</i>	(Optional)

Command Mode

- /exec

show fabric database host statistics

show fabric database host statistics

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
statistics	Statistics - Mostly shows non-zero values

Command Mode

- /exec

show fabric database host summary

show fabric database host summary

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
summary	Summary

Command Mode

- /exec

show fabric database profile-map

```
show fabric database profile-map { global | [ <id> | interface <interface-id> ] }
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
profile-map	Profile Map
global	Global profile (apply to all interfaces)
<i>id</i>	(Optional) Profile Map ID
interface	(Optional) Specified interface to display
<i>interface-id</i>	(Optional) Name of interface

Command Mode

- /exec

show fabric database static-host

show fabric database static-host

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
static-host	Configured Static Hosts

Command Mode

- /exec

show fabric database statistics

show fabric database statistics [type { network | profile | cabling | partition | bl-dci | host }]

Syntax Description

show	Show running system information
fabric	Fabric
database	Show Fabric Database
statistics	Show database statistics
type	(Optional) Enter database type
network	(Optional) Network Database
profile	(Optional) Port or Switch Profile Database
cabling	(Optional) Cable Management Database
partition	(Optional) Partition Database
bl-dci	(Optional) Border Leaf - DCI
host	(Optional) Host

Command Mode

- /exec

show fabric forwarding host-db

```
show fabric forwarding host-db [ { vrf { <vrf-name> | <vrf-known-name> | all } } ]
```

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
host-db	Host Database info
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show fabric forwarding ip local

```
show fabric forwarding ip { local-host-db [ { vrf { <vrf-name> | <vrf-known-name> | all } } ] [ <ip-prefix> ] }
```

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ip	Display IP information
local-host-db	HMM Local Host Database
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>ip-prefix</i>	(Optional) IP prefix in CIDR format

Command Mode

- /exec

show fabric forwarding ipv6 local

```
show fabric forwarding ipv6 { local-host-db [ { vrf { <vrf-name> | <vrf-known-name> | all } } ] [ <ipv6-prefix> ] }
```

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ipv6	Display IPv6 information
local-host-db	HMM Local Host Database
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show fabric multicast globals

show fabric multicast globals

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
globals	show the global settings

Command Mode

- /exec

show fabric multicast ipv4 l2 vni

```
show fabric multicast { ipv4 | ipv6 } { l2-mroute } vni { <vni-id> | all }
```

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
ipv4	Display IP information
ipv6	Display IPv6 information
l2-mroute	display l2-mroute status
vni	Virtual Network Identifier
<i>vni-id</i>	VNI number
all	Display all L2 VNI NGMVPN is aware of

Command Mode

- /exec

show fabric multicast statistics

show fabric multicast statistics

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
statistics	Show statistics

Command Mode

- /exec

show fabric multicast vrf

```
show fabric multicast vrf [ { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
vrf	Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of

Command Mode

- /exec

show fabric switch information

show fabric switch information [vsan <i0>]

Syntax Description

show	Show running system information
fabric	Show Fabric Information
switch	Show switch details.
information	Show switch model, version and other details
vsan	(Optional) VSAN id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fc2 bind

show fc2 bind

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
bind	show fc2 socket bindings

Command Mode

- /exec

show fc2 classf

show fc2 classf

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
classf	show fc2 classf sessions

Command Mode

- /exec

show fc2 exchange

show fc2 exchange

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchange	show fc2 active exchanges

Command Mode

- /exec

show fc2 exchresp

show fc2 exchresp

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchresp	show fc2 active responder exchanges

Command Mode

- /exec

show fc2 flogi

show fc2 flogi

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
flogi	show fc2 flogi table

Command Mode

- /exec

show fc2 nport

show fc2 nport

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
nport	show fc2 local nports

Command Mode

- /exec

show fc2 plogi

show fc2 plogi

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi	show fc2 plogi sessions

Command Mode

- /exec

show fc2 plogi_pwwn

show fc2 plogi_pwwn

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi_pwwn	show fc2 plogi pwwn entries

Command Mode

- /exec

show fc2 port brief

show fc2 port brief

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
brief	display only active port counters

Command Mode

- /exec

show fc2 port drops

show fc2 port drops

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
drops	display active port drop counters

Command Mode

- /exec

show fc2 port state

show fc2 port state

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
state	display port state history

Command Mode

- /exec

show fc2 socket

show fc2 socket

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socket	show fc2 active sockets

Command Mode

- /exec

show fc2 sockexch

show fc2 sockexch

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
sockexch	show fc2 active exchanges for each socket

Command Mode

- /exec

show fc2 socknotify

show fc2 socknotify

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknotify	show fc2 local nport plogi/logo notifications per each socket

Command Mode

- /exec

show fc2 socknport

show fc2 socknport

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknport	show fc2 local nports per each socket

Command Mode

- /exec

show fc2 vsan

show fc2 vsan

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
vsan	show fc2 vsan table

Command Mode

- /exec

show fcalias

```
show fcalias [ [ name <s0> ] [ [ pending ] [ vsan <i0> ] ] ]
```

Syntax Description

show	Show running system information
fcalias	Fcalias show commands
name	(Optional) Show members of a specified fcalias
<i>s0</i>	(Optional) Enter the name of fcalias
pending	(Optional) Show members of a specified fcalias in session
vsan	(Optional) Show aliases belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fcdomain

show fcdomain

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information

Command Mode

- /exec

show fcdomain address-allocation

```
show fcdomain address-allocation [ { cache | vsan <i0> } ]
```

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
address-allocation	Show statistics for the fcid allocation
cache	(Optional) Show cache content for the fcid allocation
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain allowed

show fcdomain allowed [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
allowed	Show list of allowed domain IDs
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain domain-list

```
show fcdomain domain-list [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
domain-list	Show list of domain IDs granted by the principal sw
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain fcid persistent

show fcdomain fcid persistent [{ unused [vsan <i0>] | vsan1 <i1> }]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
fcid	Show persistent FCIDs (across reboot)
persistent	Show persistent FCIDs (across reboot)
unused	(Optional) Show unused persistent FCIDs (across reboot)
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id
vsan1	(Optional) Specify the vsan id
<i>i1</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain pending-diff

```
show fcdomain pending-diff [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
pending-diff	Show the difference between running and pending configuration
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain pending

show fcdomain pending [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
pending	Show the pending configuration
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain session-status

show fcdomain session-status [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
session-status	Show the last action performed by fcdomain
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain statistics

show fcdomain statistics [{ interface <i>i0</i> [vsan <i>i0</i>] | vsan1 <i>i1</i> }]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
statistics	Show the statistics of fcdomain
interface	(Optional) Specify the fibre channel interface
<i>i0</i>	(Optional)
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id
vsan1	(Optional) Specify the vsan id
<i>i1</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain status

show fcdomain status

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
status	Show all vsan-independent information in fcdomain

Command Mode

- /exec

show fcdomain vsan

show fcdomain vsan <i0>

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
vsan	Specify the vsan id
<i>i0</i>	VSAN id

Command Mode

- /exec

show fcdroplateny

show fcdroplateny [{ network | switch }]

Syntax Description

show	Show running system information
fcdroplateny	show switch or network latency
network	(Optional) network latency in milliseconds
switch	(Optional) switch latency in milliseconds

Command Mode

- /exec

show fcid-allocation area

show fcid-allocation area

Syntax Description

show	Show running system information
fcid-allocation	Show information about fcid-allocation list
area	Show information about fcid-allocation list

Command Mode

- /exec

show fcid-allocation company-id-from-wwn

show fcid-allocation company-id-from-wwn <wwn0>

Syntax Description

show	Show running system information
fcid-allocation	Show information about fcid-allocation list
company-id-from-wwn	Company id (or OUI).
<i>wwn0</i>	Enter WWN to extract company_id/oui

Command Mode

- /exec

show fcns database

```
show fcns database [ { detail [ vsan <i0> ] | domain <i1> [ { detail [ vsan1 <i2> ] | vsan2 <i3> } ] | fcid <fcid4>
{ detail2 vsan3 <i5> | vsan4 <i6> } | local [ { detail1 [ vsan5 <i7> ] | vsan6 <i8> } ] | npv [ { detail1 [ vsan7
<i9> ] | node_wwn <wwn10> [ vsan8 <i11> ] | vsan9 <i12> } ] | proxy-host { detail4 vsan10 <i13> | vsan11
<i14> } | vsan12 <i15> } ]
```

Syntax Description

show	Show running system information
fcns	show name server tables
database	show name server database
detail	(Optional) show all objects in each entry
vsan	(Optional) show local entries for the given vsan(s)
<i>i0</i>	(Optional) VSAN id range
domain	(Optional) show entries in a domain
<i>i1</i>	(Optional) domain-id
detail	(Optional) show all objects in each entry
vsan1	(Optional) show entries for a domain for the given vsan(s)
<i>i2</i>	(Optional) VSAN id range
vsan2	(Optional) show entries for a domain for the given vsan(s)
<i>i3</i>	(Optional) VSAN id range
fcid	(Optional) show entry for the given port
<i>fcid4</i>	(Optional) enter FCID
detail2	(Optional) show all objects in the entry
vsan3	(Optional) show port entry for the given vsan
<i>i5</i>	(Optional) VSAN id
vsan4	(Optional) show port entry for the given vsan
<i>i6</i>	(Optional) VSAN id
local	(Optional) show local entries
detail1	(Optional) show all objects in each entry
vsan5	(Optional) show local entries for the given vsan(s)

<i>i7</i>	(Optional) VSAN id range
<i>vsan6</i>	(Optional) show local entries for the given vsan(s)
<i>i8</i>	(Optional) VSAN id range
<i>npv</i>	(Optional) show n-port virtualization (npv) entries
<i>detail1</i>	(Optional) show all objects in each entry
<i>vsan7</i>	(Optional) show npv entries for the given vsan(s)
<i>i9</i>	(Optional) VSAN id range
<i>node_wwn</i>	(Optional) show end-devices logged in via an npv node
<i>wwn10</i>	(Optional) Node WWN of NPV
<i>vsan8</i>	(Optional) show npv entries for the given vsan(s)
<i>i11</i>	(Optional) VSAN id range
<i>vsan9</i>	(Optional) show npv entries for the given vsan(s)
<i>i12</i>	(Optional) VSAN id range
<i>proxy-host</i>	(Optional) show entry for the proxy-host
<i>detail4</i>	(Optional) show all objects in the entry
<i>vsan10</i>	(Optional) show port entry for the given vsan
<i>i13</i>	(Optional) VSAN id
<i>vsan11</i>	(Optional) show port entry for the given vsan
<i>i14</i>	(Optional) VSAN id
<i>vsan12</i>	(Optional) show entries for the given vsan(s)
<i>i15</i>	(Optional) VSAN id range

Command Mode

- /exec

show fcns statistics

show fcns statistics [{ detail [vsan <i0>] | vsan1 <i1> }]

Syntax Description

show	Show running system information
fcns	show name server tables
statistics	show name server statistics
detail	(Optional) show detailed statistics
vsan	(Optional) show detailed statistics for the vsan(s)
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) show statistics for the vsan(s)
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show fcoe-npv issu-impact

show fcoe-npv issu-impact

Syntax Description

show	Show running system informationrunning system information
fcoe-npv	feature fcoe-npv
issu-impact	Show feature fcoe-npv config issues if attempting to do non-disruptive ISSU

Command Mode

- /exec

show fcoe

show fcoe

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters

Command Mode

- /exec

show fcoe database

show fcoe database

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters
database	Show FCOE database

Command Mode

- /exec

show fcs database

show fcs database [vsan <i0>]

Syntax Description

show	Show running system information
database	Show local database of FCS
vsan	(Optional) Show local database for a VSAN
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fcs ie

```
show fcs ie [ { nwwn <wwn0> vsan <i1> | vsan1 <i2> } ]
```

Syntax Description

show	Show running system information
ie	Show Interconnect Element Objects Information
nwwn	(Optional) IE WWN
<i>wwn0</i>	(Optional) IE WWN
vsan	(Optional) VSAN id of IE
<i>i1</i>	(Optional) VSAN id
vsan1	(Optional) VSAN id of IE
<i>i2</i>	(Optional) VSAN range

Command Mode

- /exec

show fcs platform

show fcs platform { name <s0> vsan <i0> | vsan1 <i1> }

Syntax Description

show	Show running system information
platform	Show Platform Objects Information
name	Platform Name
<i>s0</i>	Platform name string
vsan	VSAN id of the platform
<i>i0</i>	VSAN id
vsan1	VSAN id of the platform
<i>i1</i>	VSAN range

Command Mode

- /exec

show fcs port

```
show fcs port { pwwn <wwn0> vsan <i1> | vsan1 <i2> }
```

Syntax Description

show	Show running system information
port	Show Port Objects Information
pwwn	Port WWN
<i>wwn0</i>	Port WWN
vsan	VSAN id of the port
<i>i1</i>	VSAN id
vsan1	VSAN id of the port
<i>i2</i>	VSAN range

Command Mode

- /exec

show fcs statistics

show fcs statistics [vsan <i0>]

Syntax Description

show	Show running system information
statistics	Show statistics for FCS packets.
vsan	(Optional) Show statistics for a VSAN
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fcs vsan

show fcs vsan

Syntax Description

show	Show running system information
vsan	Show list of all the VSANs and plat-check-mode for each

Command Mode

- /exec

show fctimer

show fctimer

Syntax Description

show	show running system information
fctimer	show Fibre Channel timers

Command Mode

- /exec

show fctimer D_S_TOV

```
show fctimer D_S_TOV [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
D_S_TOV	D_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fctimer E_D_TOV

```
show fctimer E_D_TOV [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
E_D_TOV	E_D_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fctimer F_S_TOV

```
show fctimer F_S_TOV [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
F_S_TOV	F_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fctimer R_A_TOV

show fctimer R_A_TOV [vsan <i0>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
R_A_TOV	R_A_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fctimer last action status

show fctimer last action status

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
last	Show the status of the last cfs commit/abort operation
action	Show the status of the last cfs commit/abort operation
status	Show the status of the last cfs commit/abort operation

Command Mode

- /exec

show fctimer pending-diff

show fctimer pending-diff

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending-diff	Show the difference between pending database and running config

Command Mode

- /exec

show fctimer pending

show fctimer pending

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending	Show the status of pending fctimer commands

Command Mode

- /exec

show fctimer session status

show fctimer session status

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
session	Show the state of fctimer cfs session
status	Show the status of the last cfs commit/abort operation

Command Mode

- /exec

show fctimer status

show fctimer status

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
status	cfs distribution is enabled or disabled

Command Mode

- /exec

show fctimer vsan

show fctimer vsan <i0>

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
vsan	Specify VSAN id
<i>i0</i>	VSAN id range

Command Mode

- /exec

show fdmi database

show fdmi database

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database

Command Mode

- /exec

show fdmi database detail

show fdmi database detail

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
detail	show all objects in each entry

Command Mode

- /exec

show fdmi database detail hba-id vsan

show fdmi database detail hba-id <wwn0> vsan <i1>

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
detail	show all objects in each entry
hba-id	show entries for the given HBA id
<i>wwn0</i>	HBA id
vsan	show HBA id the given vsan
<i>i1</i>	VSAN id

Command Mode

- /exec

show fdmi database detail vsan

show fdmi database detail vsan <i0>

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
detail	show all objects in each entry
vsan	show entries for the given vsan(s)
<i>i0</i>	VSAN id range

Command Mode

- /exec

show fdmi database vsan

show fdmi database vsan <i0>

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
vsan	show entries for the given vsan(s)
<i>i0</i>	VSAN id range

Command Mode

- /exec

show fdmi suppress-updates

show fdmi suppress-updates

Syntax Description

show	Show running system information
fdmi	Show fdmi information
suppress-updates	Show vsans on which updates are suppressed

Command Mode

- /exec

show feature-set

```
show feature-set [ <name> ] [ <id> ]
```

Syntax Description

show	Show running system information
feature-set	Show feature set status
<i>name</i>	(Optional) feature-set name
<i>id</i>	(Optional) feature-set id

Command Mode

- /exec

show feature-set services

show feature-set services <s0>

Syntax Description

show	Show running system information
feature-set	Show feature set status
services	Show services in feature set

Command Mode

- /exec

show feature

show feature

Syntax Description

show	Show running system information
feature	Show feature status

Command Mode

- /exec

show fex interface priority-flow-control

show fex { <fexnum> interface | interface [<if_list>] } priority-flow-control [detail]

Syntax Description

show	commands to display
fex	Show FEX information
<i>fexnum</i>	FEX number
interface	Interface for displaying PFC information
<i>if_list</i>	(Optional) List of interfaces
priority-flow-control	Show interface PFC information
detail	(Optional) Show detailed per priority Tx/Rx PFC statistics

Command Mode

- /exec

show fhrp

show fhrp [<intf>]

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
<i>intf</i>	(Optional) Specify a single interface

Command Mode

- /exec

show fhrp verbose

show fhrp [<intf>] verbose

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
<i>intf</i>	(Optional) Specify a single interface
verbose	Display detailed information

Command Mode

- /exec

show file

show file <uri0> [cksum | md5sum | sha256sum | sha512sum]

Syntax Description

show	Show running system information
file	Displays content of files
<i>uri0</i>	Filename to be displayed
cksum	(Optional) Displays CRC checksum for a file
md5sum	(Optional) Displays MD5 checksum for a file
sha256sum	(Optional) Displays SHA256 checksum for a file
sha512sum	(Optional) Displays SHA512 checksum for a file

Command Mode

- /exec

show filter details

show filter <seqno> details

Syntax Description

filter	Display filter information
<i>seqno</i>	Sequence number
details	Show filter detail

Command Mode

- /exec/flow-path-tracer

show filter summary

```
show filter { summary }
```

Syntax Description

filter	Display filter information
summary	Show filter summary

Command Mode

- /exec/flow-path-tracer

show fips status

show fips status

Syntax Description

show	Show running system information
fips	Show if FIPS mode is enabled or disabled
status	Whether FIPS mode is enabled or disabled

Command Mode

- /exec

show flogi auto-area-list

show flogi auto-area-list

Syntax Description

show	Show running system information
flogi	Show information about FLOGI
auto-area-list	Show list of ouis that are allocated area.

Command Mode

- /exec

show flogi database

```
show flogi database [ { details | [ fcid <fcid0> ] [ details ] | [ interface <if0> ] [ details ] | [ vsan <i1> ] [ details ] } ]
```

Syntax Description

show	Show running system information
flogi	Show information about FLOGI
database	Show information about FLOGI sessions
details	(Optional) details: shows fcid allocation details
fcid	(Optional) fcid: enter the fcid to be matched
<i>fcid0</i>	(Optional) Enter fcid
details	(Optional) details: shows fcid allocation details
interface	(Optional) interface id: enter the interface id of the port
<i>if0</i>	(Optional) Enter interface id
details	(Optional) details: shows fcid allocation details
vsan	(Optional) vsan id: Enter the vsan number
<i>i1</i>	(Optional) Enter vsan
details	(Optional) details: shows fcid allocation details

Command Mode

- /exec

show flow cache

show flow cache [ipv4 | ipv6 | ce] [input | output]

Syntax Description

show	Show running system information
flow	Show NetFlow information
cache	Show NetFlow Exporter Cache
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
input	(Optional) Show ingress cache entries
output	(Optional) Show egress cache entries

Command Mode

- /exec

show flow cache

show flow cache [ipv4 | ipv6 | ce] [input | output]

Syntax Description

show	Show running system information
flow	Show NetFlow information
cache	Show NetFlow Exporter Cache
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
input	(Optional) Show ingress cache entries
output	(Optional) Show egress cache entries

Command Mode

- /exec

show flow event

```
show flow event [ name ] [ { <eventname> } ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
event	Show Event Configuration
name	(Optional) Show the configuration for a specific Event
<i>eventname</i>	(Optional) Specify a event

Command Mode

- /exec

show flow exporter

show flow exporter [name] [<exporter>]

Syntax Description

show	Show running system information
flow	Show NetFlow information
exporter	Show NetFlow Exporter Configuration and Statistics
name	(Optional) Show a specific Flow Exporter
<i>exporter</i>	(Optional) Specify an exporter

Command Mode

- /exec

show flow filter

show flow filter

Syntax Description

show	Show running system information
flow	Show Analytics information
filter	Show filter Configuration

Command Mode

- /exec

show flow interface

```
show flow { interface [ <intf> ] | vlan [ <vlan> ] }
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
interface	Flow interface information
<i>intf</i>	(Optional) Interface
vlan	Flow vlan information
<i>vlan</i>	(Optional) Vlan number

Command Mode

- /exec

show flow monitor

```
show flow monitor [ name ] [ <monitor> [ cache [ detailed ] ] ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
monitor	Show Monitor Configuration
name	(Optional) Show a specific Flow Monitor
<i>monitor</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show flow profile

show flow profile [<profile>]

Syntax Description

show	Show running system information
flow	Show Analytics information
profile	Show profile Configuration
<i>profile</i>	(Optional) Specify a profile

Command Mode

- /exec

show flow record

```
show flow record [ name ] [ { <record> } | { netflow-original } | { netflow { protocol-port | layer2-switched
{ input } | { ipv4 | ipv6 | l2 } { original-input } } } ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific Flow Record
<i>record</i>	(Optional) Specify a record
netflow-original	(Optional) Traditional IPv4 input NetFlow with origin ASs
netflow	(Optional) Traditional NetFlow collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input NetFlow
input	(Optional) Input NetFlow
protocol-port	(Optional) Protocol and Ports aggregation scheme

Command Mode

- /exec

show flow rtp

show flow rtp { errors { active | history } | details } [ipv4 | ipv6]

Syntax Description

show	Show running system information
flow	Show NetFlow information
rtp	Real-time Transport Protocol
errors	Show NetFlow RTP flows error information
active	Show RTP flows with active losses
history	Show RTP flows with loss history
details	Show NetFlow RTP detailed information
ipv4	(Optional) Show ipv4 RTP entries
ipv6	(Optional) Show ipv6 RTP entries

Command Mode

- /exec

show flow rtp timeout

show flow rtp timeout

Syntax Description

show	Show running system information
flow	Show NetFlow information
rtp	Real-time Transport Protocol
timeout	Show NetFlow RTP flow error monitoring timeout values

Command Mode

- /exec

show flow system

show flow system

Syntax Description

show	Show running system information
flow	Show Analytics information
system	Show system Configuration

Command Mode

- /exec

show flow timeout

show flow timeout

Syntax Description

show	Show running system information
flow	Show NetFlow information
timeout	Show NetFlow flow cache timeout values

Command Mode

- /exec

show flow tracer

show flow tracer

Syntax Description

show	Show running system information
flow	Show NetFlow information
tracer	Show packet tracer information

Command Mode

- /exec

show flow vrf

```
show flow vrf [ <vrf_name> ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
vrf	Show VRF Configuration
<i>vrf_name</i>	(Optional) Specify a vrf

Command Mode

- /exec

show forwarding

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ ipv4 ] [ route |
rnhdb ] [ recursive ] [ summary | [ [ detail | platform | partial | ipsg ] [ max-display-count <display_count> ]
] | [ <prefix> [ longer-prefixes ] [ detail | platform ] | <address> [ detail | platform ] |
```

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table id in hex
ipv4	(Optional) ipv4
route	(Optional) display IP routing table
ipsg	(Optional) display IPv4 IPSG routes
rnhdb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
recursive	(Optional) display routes with recursive next hops
partial	(Optional) display routes with partial ECMPs
summary	(Optional) display route counts
<i>prefix</i>	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
<i>address</i>	(Optional) display single longest match route
detail	(Optional) show detailed information about the routes
platform	(Optional) one command to show pi and pd info together
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count

Command Mode

- /exec

show forwarding adjacency

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ipv4 ] adjacency [ mpls ] [ lisp ] [ nve ] [ <aif> ] [ <anh> ] [ detail | stats | platform ] [ module <module> ]
```

Syntax Description

show	
forwarding	display fib information
ipv4	(Optional) ipv4
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
mpls	(Optional) mpls adjacency information
lisp	(Optional) LISP adjacency information
nve	(Optional) VxLAN tunnel adjacency information
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next hop
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding consistency-fretta l2

show forwarding consistency-fretta l2 <module>

Syntax Description

show	Show running system information
forwarding	Forwarding information
consistency-fretta	consistency
l2	Verify l2 mac programming in the hardware
<i>module</i>	Enter module number

Command Mode

- /exec

show forwarding distribution clients

show forwarding distribution clients

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
clients	unicast client information

Command Mode

- /exec

show forwarding distribution evpn storm-control

show forwarding distribution evpn storm-control

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
evpn	evpn distribution info
storm-control	storm-control information

Command Mode

- /exec

show forwarding distribution fib-state

show forwarding distribution fib-state

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
fib-state	unicast fib state info

Command Mode

- /exec

show forwarding distribution ip igmp snooping

```
show forwarding distribution ip igmp snooping [ vlan <vlan-id> [ group [ <grpaddr> | <mac-grpaddr> ] [
source <srcaddr> ] ] ] [ detail ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	IPV4 information
igmp	MFDM IGMP information
snooping	L2 mcast snooping related information
vlan	(Optional) Info specific to a vlan
<i>vlan-id</i>	(Optional) Vlan id value
group	(Optional) Group specific information
<i>grpaddr</i>	(Optional) Group address
<i>mac-grpaddr</i>	(Optional) Group MAC address
source	(Optional) (G,S) specific information
<i>srcaddr</i>	(Optional) Source address
detail	(Optional) Detailed display

Command Mode

- /exec

show forwarding distribution ipv6 multicast route

```
show forwarding distribution ipv6 multicast route [ table <table_id> | vrf { <vrf-name> | all } ] [ [ group { <group> } [ source { <source> } ] ] | summary ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	display fib distribution information
ipv6	IPv6 related information
multicast	display IPv6 multicast information
route	display routing table
vrf	(Optional) display routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
all	(Optional) Display information for all VRFs
table	(Optional) table
<i>table_id</i>	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	(Optional) display route counts

Command Mode

- /exec

show forwarding distribution l2 multicast

```
show forwarding distribution l2 multicast [ ip-based | mac-based ] [ [ vni <vni-id> ] | [ vlan <vlan-id> [ {
group { <grpaddr> | <v6grpaddr> } [ source { <srcaddr> | <v6srcaddr> } ] ] | destination-mac <dmac> ] ] ]
[ summary ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
l2	L2 information
multicast	L2 multicast information
ip-based	(Optional) IPv4 based
mac-based	(Optional) MAC based
vlan	(Optional) Info specific to a vlan
<i>vlan-id</i>	(Optional) Vlan id value
vni	(Optional) Info specific to a vni
<i>vni-id</i>	(Optional) Vni id value
group	(Optional) Group specific information
<i>grpaddr</i>	(Optional) Group address
source	(Optional) (G,S) specific information
<i>srcaddr</i>	(Optional) Source address
destination-mac	(Optional) Destination MAC specific information
<i>dmac</i>	(Optional) Destination MAC address
summary	(Optional) display route counts

Command Mode

- /exec

show forwarding distribution lisp counters

show forwarding distribution lisp counters

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution information
lisp	for lisp application
counters	counters

Command Mode

- /exec

show forwarding distribution lisp vrf enabled

show forwarding distribution lisp vrf enabled

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution information
lisp	for lisp application
vrf	vrf
enabled	enabled

Command Mode

- /exec

show forwarding distribution multicast

show forwarding distribution multicast [messages]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
messages	(Optional) Outstanding Message Information

Command Mode

- /exec

show forwarding distribution multicast client-ack-db

show forwarding distribution multicast client-ack-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
client-ack-db	Displays the client ack db

Command Mode

- /exec

show forwarding distribution multicast client

show forwarding distribution multicast client

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
client	Show multicast distribution client information

Command Mode

- /exec

show forwarding distribution multicast download

show forwarding distribution multicast download

Syntax Description

show	
forwarding	forwarding information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
download	show download queues

Command Mode

- /exec

show forwarding distribution multicast mfib

```
show forwarding distribution multicast { mfib-txlist [ vrf <vrf-name> ] | mfib-buffers }
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
mfib-txlist	Show MFIB transmission-list information
vrf	(Optional) Specify VRF
<i>vrf-name</i>	(Optional) Specify VRF name
mfib-buffers	Show MFIB route buffer information

Command Mode

- /exec

show forwarding distribution multicast outgoing-interface-list L2_PRIME

show forwarding distribution multicast outgoing-interface-list L2_PRIME

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
outgoing-interface-list	Outgoing interface list
L2_PRIME	Layer 2 oiflist
<i>index</i>	(Optional) Outgoing Interface List index

Command Mode

- /exec

show forwarding distribution multicast resp-ack-timer-msgs

show forwarding distribution multicast resp-ack-timer-msgs

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
resp-ack-timer-msgs	show response ack timers for MFDM

Command Mode

- /exec

show forwarding distribution multicast route

```
show forwarding distribution [ ip ] multicast route [ table <id> | vrf { <vrf_name> | <vrf-known-name> | all
} ] [ [ group { <gaddr> [ <mask> ] | <gprefix> } [ source { <saddr> [ <smask> ] | <sprefix> } ] ] | summary
]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	(Optional) IPV4 information
multicast	Multicast information
route	Multicast route related information
vrf	(Optional) Specify VRF
<i>vrf_name</i>	(Optional) Specify VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	(Optional) Specify Multicast Routing Table
<i>id</i>	(Optional) Multicast Routing Table Identifier
group	(Optional) IPv4 Multicast Group specific
<i>gaddr</i>	(Optional) IPv4 Multicast Group Address
<i>mask</i>	(Optional) mask for group ip address
<i>gprefix</i>	(Optional) IPv4 Multicast Group Prefix
source	(Optional) IPv4 Multicast Source specific
<i>saddr</i>	(Optional) IPv4 Source Address
<i>smask</i>	(Optional) mask for group ip address
<i>sprefix</i>	(Optional) IPv4 Multicast Source Prefix
summary	(Optional) display route counts

Command Mode

- /exec

show forwarding distribution multicast route sr um-nat

show forwarding distribution multicast route sr um-nat

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
route	Multicast route related information
sr	sr related information
um-nat	UM NAT route translation information

Command Mode

- /exec

show forwarding distribution multicast sr hash-db

show forwarding distribution multicast sr hash-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
sr	Service reflect rules
hash-db	Hash database

Command Mode

- /exec

show forwarding distribution multicast vxlan dsg-db

show forwarding distribution multicast vxlan dsg-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
dsg-db	delivery group/source db

Command Mode

- /exec

show forwarding distribution multicast vxlan mdt-db pss

show forwarding distribution multicast vxlan mdt-db pss

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
mdt-db	Data MDT database
pss	Data MDT database pss

Command Mode

- /exec

show forwarding distribution multicast vxlan mdt-db

show forwarding distribution multicast vxlan mdt-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
mdt-db	Data MDT database

Command Mode

- /exec

show forwarding distribution multicast vxlan vlan-db

show forwarding distribution multicast vxlan vlan-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
vlan-db	Vlan database

Command Mode

- /exec

show forwarding distribution nve overlay-vlan

show forwarding distribution nve overlay-vlan

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
nve	nve distribution info
overlay-vlan	overlay-vlan adjacency info

Command Mode

- /exec

show forwarding distribution peer-id

show forwarding distribution peer-id [vpls | otv]

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
peer-id	HW Peer-id allocation info
vpls	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
otv	(Optional) OTV

Command Mode

- /exec

show forwarding distribution srv6 local-sid bd-mapping

show forwarding distribution srv6 local-sid bd-mapping

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
srv6	Srv6 related
local-sid	Local SID
bd-mapping	Local Sid to BD mappings

Command Mode

- /exec

show forwarding distribution trace

show forwarding distribution trace

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
trace	unicast trace information

Command Mode

- /exec

show forwarding ecmp

```
show forwarding ecmp [ { [ vrf { <vrf-name> | <vrf-known-name> } ] lisp } ] [ platform ] [ module <module> ] [ partial ]
```

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
lisp	(Optional) Show information about LISP ECMPs
platform	(Optional) one command to show pi and pd info together
module	(Optional) slot
<i>module</i>	(Optional) slot number
partial	(Optional) Show partially installed ECMPs

Command Mode

- /exec

show forwarding ecmp recursive

```
show forwarding ecmp recursive [ platform ] [ srv6 ] [ max-display-count <display_count> ] [ module <module> ] [ partial ]
```

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
recursive	Show information about recursive ECMPs
platform	(Optional) one command to show pi and pd info together
srv6	(Optional) Show information about SRV6 encap
module	(Optional) slot
partial	(Optional) Show partially installed ECMPs
<i>module</i>	(Optional) slot number
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count

Command Mode

- /exec

show forwarding inconsistency

```
show forwarding [ ip | ipv4 ] [ unicast ] inconsistency [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ]
[ module { <module> | all_modules } ]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
unicast	(Optional) unicast
inconsistency	route inconsistency check
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's

Command Mode

- /exec

show forwarding interfaces

show forwarding interfaces [module <module>]

Syntax Description

show	
forwarding	fib information
interfaces	show fib interface info

Command Mode

- /exec

show forwarding ipv6

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] ipv6 [ route | rnhdb ] [ recursive ] [ detail | summary | platform | partial | <prefix> [ longer-prefixes ] [ detail | platform ] ] <address> [ detail | platform ] | interface <interface> | next-hop <nh> | attached | unresolved | adjacency { <aif> <anh> | drop | glean | punt } ] [ max-display-count <display_count> ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] +
```

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table id in hex
ipv6	ipv6
route	(Optional) display IP routing table
platform	(Optional) one command to show pi and pd info together
rnhdb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
recursive	(Optional) display routes with recursive next hops
detail	(Optional) show detailed information about the routes
summary	(Optional) display route counts
partial	(Optional) display routes with partial ECMPs
longer-prefixes	(Optional) display longer prefixes
interface	(Optional) display routes with this output i/f only
<i>interface</i>	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only
attached	(Optional) display directly connected routes
unresolved	(Optional) display unresolved routes
adjacency	(Optional) display adjacency information

<i>aif</i>	(Optional) adjacency output interface
drop	(Optional) display routes via drop adjacency
glean	(Optional) display routes via glean adjacency
punt	(Optional) display routes via punt adjacency
module	(Optional) slot
<i>module</i>	(Optional) slot number
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count

Command Mode

- /exec

show forwarding ipv6 adjacency

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

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
mpls	(Optional) mpls adjacency information
nve	(Optional) nve adjacency information
<i>aif</i>	(Optional) adjacency output interface
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding ipv6 inconsistency

```
show forwarding ipv6 [ unicast ] inconsistency [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ] [ module
{ <module> | all_modules } ]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
ipv6	ipv6
unicast	(Optional) unicast
inconsistency	route inconsistency check
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's

Command Mode

- /exec

show forwarding ipv6 multicast route

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | all } | table <tab_id> ] ipv6 multicast route { [
group { <group> | <group_addr> } [ source { <source> | <source_addr> } ] | module <module> | vrf {
<vrf-name> | all } ] + | summary [ module <module> | vrf { <vrf-name> | <vrf-known-name> | all } ] + }
```

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
multicast	IPv6 related Multicast information
route	Multicast route information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tab_id</i>	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	display route counts
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding kvfib cache on

show forwarding kvfib cache { on | off }

Syntax Description

show	
forwarding	fib information
kvfib	kvfib
cache	cache
on	set variable
off	reset variable

Command Mode

- /exec

show forwarding kvfib file debug

show forwarding kvfib file debug

Syntax Description

show	
forwarding	forwarding
kvfib	kvfib
file	file
debug	debug

Command Mode

- /exec

show forwarding kvfib socket descriptor

show forwarding kvfib socket descriptor

Syntax Description

show	
forwarding	forwarding
kvfib	kvfib
socket	socket
descriptor	descriptor

Command Mode

- /exec

show forwarding l2 multicast

```
show forwarding l2 multicast { [ { vlan <vlan-id> [ { group <grpaddr> source <srcaddr> } | { group
<v6grpaddr> source <v6srcaddr> } | destination-mac <dstmac> ] } ] } [ vdc <vdc-id> ] [ module <num> ]
```

Syntax Description

show	Show running system information
forwarding	Forwarding information
l2	L2 related information
multicast	Multicast related information
vlan	(Optional) Information Specific to a Vlan
<i>vlan-id</i>	(Optional) Vlan id value
group	(Optional) (S,G) specific information
<i>grpaddr</i>	(Optional) Group address
source	(Optional) source specific information
<i>srcaddr</i>	(Optional) Source address
destination-mac	(Optional) Destination MAC address
<i>dstmac</i>	(Optional) Ethernet MAC address
vdc	(Optional) VDC
<i>vdc-id</i>	(Optional) VDC id
module	(Optional) Slot
<i>num</i>	(Optional) Slot number

Command Mode

- /exec

show forwarding l2vpn label vpls

show forwarding l2vpn label [<label_id>] vpls [module module]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
<i>label_id</i>	(Optional) VC label
vpls	VPLS
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding l2vpn label xconnect

show forwarding l2vpn label [<label_id>] xconnect [module module]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
<i>label_id</i>	(Optional) VC label
xconnect	xconnect or VPWS
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding l2vpn vlan

```
show forwarding l2vpn vlan [ <vlan_id> ] [ module <module> ]
```

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
vlan	vlan
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding mpls

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

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known vrf name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
label-space	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>label-space-id</i>	(Optional) label space id
label	(Optional) mpls labels
<i>label-id</i>	(Optional) mpls label value
<i>prefix</i>	(Optional) Labels for single exact match route
module	(Optional) slot
<i>module</i>	(Optional) slot number
stats	(Optional) Label Statistics
implicit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
platform	(Optional) Display platform information

Command Mode

- /exec

show forwarding mpls drop-stats

show forwarding mpls drop-stats [platform | label0-fwd-stats]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
drop-stats	MPLS dropped packets
platform	(Optional) command to display stats per chip
label0-fwd-stats	(Optional) command to display stats for label0

Command Mode

- /exec

show forwarding mpls ecmp

show forwarding mpls ecmp [module <module>] [platform]

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
ecmp	mpls ecmps
module	(Optional) slot
<i>module</i>	(Optional) slot number
platform	(Optional) show pd info

Command Mode

- /exec

show forwarding mpls eompls

show forwarding mpls eompls [peers { <addr> | all }]

Syntax Description

show	Show
forwarding	Forwarding information
mpls	mpls forwarding
eompls	eompls
peers	(Optional) nve peers
<i>addr</i>	(Optional) peer ipaddress
all	(Optional) Display peer info for all peers

Command Mode

- /exec

show forwarding mpls eompls ir

```
show forwarding mpls eompls ir { [ vlan [ all | <vlan_id> ] ] | [ peer [ all | <peer_ip> ] ] }
```

Syntax Description

show	Show running system information
forwarding	Forwarding information
mpls	mpls
eompls	eompls
ir	ir
vlan	(Optional) vlans all
all	(Optional) all
<i>vlan_id</i>	(Optional) vlan-id
peer	(Optional) peers-all
all	(Optional) all
<i>peer_ip</i>	(Optional) show detailed info for peer

Command Mode

- /exec

show forwarding mpls option_b

show forwarding mpls option_b [label <label>] [module <module>] [platform]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
option_b	Option B
label	(Optional) mpls labels
<i>label</i>	(Optional) mpls label value
module	(Optional) slot
<i>module</i>	(Optional) slot number
platform	(Optional) show pd info

Command Mode

- /exec

show forwarding mpls srte module

show forwarding mpls srte module [<module>]

Syntax Description

show	Show
forwarding	Forwarding information
mpls	mpls forwarding
srte	SR Traffic Engineering
module	slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding mpls summary

show forwarding mpls summary [module <module>]

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
summary	summary
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding multicast-sr loopback interface

show forwarding multicast-sr loopback interface

Syntax Description

show	
forwarding	display fib information
multicast-sr	multicast service reflect information
interface	loopback interface
loopback	loopback interface

Command Mode

- /exec

show forwarding multicast-sr mac-trap-db

show forwarding multicast-sr mac-trap-db

Syntax Description

show	Show running system information
forwarding	display platform fib information
multicast-sr	multicast service reflect information
mac-trap-db	display internal mac-trap db

Command Mode

- /exec

show forwarding multicast outgoing-interface-list

```
show forwarding multicast outgoing-interface-list { L2 | L3 | vxlan-encap | vxlan-ir-dci-encap | mvpn } [
platform ] [ module <module> ] [ <index> ]
```

Syntax Description

show	
forwarding	Forwarding information
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info
L2	Layer 2 oiflist
L3	Layer 3 oiflist
vxlan-encap	vxlan-encap oiflist
vxlan-ir-dci-encap	vxlan-ir-dci-encap oiflist
mvpn	MVPN oiflist
platform	(Optional) Display PI/PD
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>index</i>	(Optional) Outgoing Interface List Index

Command Mode

- /exec

show forwarding multicast pvlan replicated-routes

```
show forwarding multicast pvlan replicated-routes [ { group <group_addr> [ [ source <source_addr> [ vlan
<vlan_id> ] ] | vlan <vlan_id> ] | vlan <vlan_id> } ]
```

Syntax Description

show	
forwarding	display fib information
multicast	Multicast IPv4 information
pvlan	PVLAN information
replicated-routes	Display replicated route database
group	(Optional) group address
<i>group_addr</i>	(Optional) group address
source	(Optional) source address
<i>source_addr</i>	(Optional) source address
vlan	(Optional) vlan id
<i>vlan_id</i>	(Optional) vlan id

Command Mode

- /exec

show forwarding multicast route

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | all } | table <table_id> ] [ ipv4 ] multicast route [
platform ] { [ group { <gaddr> [ <mask> ] | <gprefix> } [ source { <saddr> [ <smask> ] | <sprefix> } ] |
module <module> | vrf { <vrf-name> | <vrf-known-name> | all } ] + | summary [ module <module> | vrf {
<vrf-name> | <vrf-known-name> | all } ] + }
```

Syntax Description

show	
forwarding	Forwarding information
ipv4	(Optional) ipv4
multicast	Multicast IPv4 information
route	Mcast route information
platform	(Optional) Platform Details
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
group	(Optional) Multicast IPv4 Group specific info
<i>gaddr</i>	(Optional) Multicast IPv4 Group Address
<i>mask</i>	(Optional) Multicast IPv4 Group Address mask
<i>gprefix</i>	(Optional) Multicast IPv4 Group Prefix
source	(Optional) Multicast IPv4 Source specific info
<i>saddr</i>	(Optional) Multicast IPv4 Source Address
<i>smask</i>	(Optional) Multicast IPv4 Source Address mask
<i>sprefix</i>	(Optional) Multicast IPv4 Source Prefix
summary	display route counts
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding nve l2 ingress-replication-peers

show forwarding nve l2 ingress-replication-peers [ipv4 <peer_ip> | ipv6 <v6_peer_ip>] +

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l2	L2 info
ingress-replication-peers	ingress replication peer info
ipv4	(Optional) ipv4 peer
<i>peer_ip</i>	(Optional) show detailed info of a peer
ipv6	(Optional) ipv6 peer

Command Mode

- /exec

show forwarding nve l3 adjacency tunnel

show forwarding nve l3 adjacency tunnel { <tunnel_id> | all } [bd <bd_id> | detail | module <module> | table <table_id>]

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
adjacency	Adjacency info
tunnel	VXLAN tunnel
<i>tunnel_id</i>	tunnel_id
all	show adjacency info for all peers
bd	(Optional) BD info
<i>bd_id</i>	(Optional) bd id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
table	(Optional) Tenant table-id
<i>table_id</i>	(Optional) tenant table-id

Command Mode

- /exec

show forwarding nve l3 adjacency v6-tunnel

show forwarding nve l3 adjacency v6-tunnel { <peer-ip> | all } [bd <bd_id> | detail | module <num> | table <table_id>]

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
adjacency	Adjacency info
v6-tunnel	VXLAN V6 tunnel
all	Show adjacency for all peers
bd	(Optional) BD info
<i>bd_id</i>	(Optional) bd id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
table	(Optional) Tenant table-id
<i>table_id</i>	(Optional) tenant table-id

Command Mode

- /exec

show forwarding nve l3 ecmp

show forwarding nve l3 ecmp

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
ecmp	nve ecmp info

Command Mode

- /exec

show forwarding nve l3 peers

show forwarding nve l3 peers [peers <peer_id> | tunnel <tunnel_id> | detail | module <module>] +

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l3	Layer 3
peers	nve peers
<i>peer_id</i>	(Optional) nve peer-id
tunnel	(Optional) VXLAN tunnel
<i>tunnel_id</i>	(Optional) Unique identifier for the tunnel
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding nve underlay-interfaces

show forwarding nve underlay-interfaces

Syntax Description

show	show
forwarding	display fib information
nve	NVE related info
underlay-interfaces	underlay interfaces info

Command Mode

- /exec

show forwarding otv

```
show forwarding otv <intf> [ peer <peer-id> ] [ module <module> ]
```

Syntax Description

show	
forwarding	fib information
otv	overlay-transport-virtualization
<i>intf</i>	overlay interface
peer	(Optional) overlay peer
<i>peer-id</i>	(Optional) overlay peer-id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding otv ipv6 multicast route

show forwarding otv ipv6 multicast route [vlan <vlan_id>] [module <module>]

Syntax Description

show	show
forwarding	forwarding
otv	over-the-top virtualization
ipv6	ipv6
multicast	Multicast IPv6 information
route	Mcast route information
vlan	(Optional) vlan
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding otv multicast outgoing-interface-list

show forwarding otv multicast outgoing-interface-list

Syntax Description

show	
forwarding	Forwarding information
otv	over-the-top virtualization
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info

Command Mode

- /exec

show forwarding otv multicast route

```
show forwarding otv multicast route [ [ vlan <vlan-id> ] ] [ softwarebd <software-bd> ] [ module <module> ]
```

Syntax Description

show	show
forwarding	forwarding
otv	over-the-top virtualization
multicast	Multicast IPv4 information
route	Mcast route information
vlan	(Optional) vlan
<i>vlan-id</i>	(Optional) vlan id
softwarebd	(Optional) Software Bridge Domain
<i>software-bd</i>	(Optional) Software bd
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding otv vlan

```
show forwarding otv vlan [ <vlan_id> ] [ module <module> ]
```

Syntax Description

show	show
forwarding	forwarding
otv	otv
vlan	vlan
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding proactive-cc inconsistencies

show forwarding proactive-cc inconsistencies [all]

Syntax Description

show	show
forwarding	Display Forwarding Information
proactive-cc	Proactive Consistency Checker
inconsistencies	Display latest CC run inconsistencies
all	(Optional) Display all previous CC run's inconsistencies

Command Mode

- /exec

show forwarding security group-tag

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> | vlan <vlan_id> ] [
ipv4 ] security group-tag [ <addr> ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all>
} ] +
```

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
vlan	(Optional) vlan
<i>vlan_id</i>	(Optional) vlan number
ipv4	(Optional) ipv4
security	display IP security information
group-tag	ip_address->security_group_tag
<i>addr</i>	(Optional) specific ip address
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding security mac

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ ipv4 ] security
mac [ <addr> ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] +
```

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
ipv4	(Optional) ipv4
security	display IP security information
mac	ip_address->mac_address
<i>addr</i>	(Optional) specific ip address
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding srv6 adjacency decap

show forwarding srv6 adjacency decap [table <table_id>] [module <num>]

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
adjacency	SRV6 adjacency
decap	Decapsulation adjacency
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
<i>bd</i>	(Optional) Bridge domain
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 adjacency encap

show forwarding srv6 adjacency encap [table <table_id>] [module <num>]

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
adjacency	SRV6 adjacency
encap	Encapsulation adjacency
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 bsid-peer

```
show forwarding srv6 bsid-peer [ <bsid_value> ] [ <endpoint> ] [ module <num> ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
bsid-peer	Binding SID identifier
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 bsid

```
show forwarding srv6 bsid [ <bsid_value> ] [ module <num> ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
bsid	Binding SID
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 ecmp

```
show forwarding srv6 ecmp [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> ] [ module <num> ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
ecmp	SRV6 ecmp
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 local-sid

show forwarding srv6 local-sid [<sid_value>] [detail] [module <num>]

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
local-sid	local segment identifier
detail	(Optional) Details about SID
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 peers

show forwarding srv6 peers [module <num>]

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
peers	SRV6 peer
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding trace

show forwarding trace [clear] [module <module>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
clear	(Optional) clear the trace buffer
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding trace profile

show forwarding trace profile

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information

Command Mode

- /exec

show forwarding trace profile funcstats

show forwarding trace profile funcstats [enable | disable] [module <module>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information
funcstats	function statistics
enable	(Optional) enable function statistics
disable	(Optional) disable function statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show frequency synchronization clock-interface brief

show frequency synchronization clock-interface brief

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
clock-interface	Display clock-interface information
brief	Displays all interfaces

Command Mode

- /exec

show frequency synchronization clock-interface detail

show frequency synchronization clock-interface detail

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
clock-interface	Display clock-interface information
detail	details

Command Mode

- /exec

show frequency synchronization configuration errors

show frequency synchronization configuration errors

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
configuration	configuration
errors	errors

Command Mode

- /exec

show frequency synchronization interface

show frequency synchronization interface <if0>

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
interface	Display interface information
<i>if0</i>	

Command Mode

- /exec

show frequency synchronization interface brief

show frequency synchronization interface brief

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
interface	Display interface information
brief	Displays all interfaces

Command Mode

- /exec

show frequency synchronization selection

show frequency synchronization selection

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
selection	Display selection information

Command Mode

- /exec

show fspf

show fspf

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show fspf database

```
show fspf database [ vsan <i0> [ [ domain <i1> ] [ detail ] ] ]
```

Syntax Description

show	Show running system information
database	Show FSPF link state database
vsan	(Optional) Enter VSAN
<i>i0</i>	(Optional) VSAN id
domain	(Optional) Show LSR of a domain
<i>i1</i>	(Optional) domain index
detail	(Optional) Gives detailed information on the LSR

Command Mode

- /exec

show fspf interface

show fspf interface

Syntax Description

show	Show running system information
interface	Show FSPF related information about an interface

Command Mode

- /exec

show fspf vsan

show fspf vsan <i0>

Syntax Description

show	Show running system information
vsan	Enter VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec

show fspf vsan interface

```
show fspf vsan <i0> interface [ <if0> ]
```

Syntax Description

show	Show running system information
vsan	Enter VSAN
<i>i0</i>	VSAN id
interface	Show FSPF related information about an interface
<i>if0</i>	(Optional) Show FSPF related information about an interface

Command Mode

- /exec

show fte event

```
show fte event [ name ] [ { <eventname> } ]
```

Syntax Description

show	Show running system information
fte	Show FTE information
event	Show Event Configuration
name	(Optional) Show the configuration for a specific FTE Event
<i>eventname</i>	(Optional) Specify a event

Command Mode

- /exec

show fte exporter

show fte exporter [name] [<exportername>]

Syntax Description

show	Show running system information
fte	Show FTE information
exporter	Show FTE Exporter Configuration
name	(Optional) Show a specific FTE Exporter
<i>exportername</i>	(Optional) Specify an exporter

Command Mode

- /exec

show fte monitor

show fte monitor [name] [<monitorname> [cache [detailed]]]

Syntax Description

show	Show running system information
fte	Show FTE information
monitor	Show Monitor Configuration
name	(Optional) Show a specific FTE Monitor
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show fte record

```
show fte record [ name ] [ { <recordname> } | { fte-original } | { fte { protocol-port | layer2-switched { input
} | { ipv4 | ipv6 | l2 } { original-input } } } ]
```

Syntax Description

show	Show running system information
fte	Show FTE information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific FTE Record
<i>recordname</i>	(Optional) Specify a record
fte-original	(Optional) Traditional IPv4 input FTE with origin ASs
fte	(Optional) Traditional FTE collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	(Optional) L2 collection schemes
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input FTE
input	(Optional) Input FTE
protocol-port	(Optional) Protocol and Ports aggregation scheme

Command Mode

- /exec



G Show Commands

- [show gnss-receiver](#), on page 586
- [show guestshell](#), on page 587

show gnss-receiver

show gnss-receiver

Syntax Description

gnss-receiver	Select GNSS Receiver
---------------	----------------------

Command Mode

- /exec

show guestshell

```
show guestshell [ { detail } ]
```

Syntax Description

show	Show running system information
guestshell	Display guest shell service information
detail	(Optional) Detailed guest shell service information

Command Mode

- /exec

 show guestshell



H Show Commands

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show hardware

show hardware

Syntax Description

show	Show running system information
hardware	Show hardware information

Command Mode

- /exec

show hardware access-list lou resource threshold

show hardware access-list lou resource threshold

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
lou	LOU
resource	hardware resource
threshold	port expansion threshold

Command Mode

- /exec

show hardware access-list resource pooling

show hardware access-list resource pooling

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
resource	Hardware resource
pooling	ACL programming across TCAM banks

Command Mode

- /exec

show hardware access-list tcam

```
show hardware access-list tcam { { template { nfe | nfe2 | l2-l3 | l3 | <name> | all } } | { region } }
```

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
tcam	Show tcam parameters
region	Show tcam region sizes

Command Mode

- /exec

show hardware capacity

show hardware capacity

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc

Command Mode

- /exec

show hardware capacity eobc

show hardware capacity eobc

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
eobc	EOBC resources

Command Mode

- /exec

show hardware capacity fabric-utilization

show hardware capacity fabric-utilization

Syntax Description

show	Show running system information
hardware	Show hardware information
capacity	resource inventory and/or usage level
fabric-utilization	Show per module Fabric utilization

Command Mode

- /exec

show hardware capacity forwarding

show hardware capacity forwarding

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc
forwarding	L2/L3 Forwarding resources

Command Mode

- /exec

show hardware capacity interface

show hardware capacity interface

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Usage levels
interface	Interface Resources - Tx/Rx drops and Tx/Rx buffers

Command Mode

- /exec

show hardware capacity module

show hardware capacity module

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
module	SUP, LC, XBAR

Command Mode

- /exec

show hardware capacity power

show hardware capacity power

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
power	power summary

Command Mode

- /exec

show hardware deduplication tah-age-history

show hardware deduplication tah-age-history [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
deduplication	De-duplication
tah-age-history	De-dup aged flows Information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show hardware deduplication tah-detail

show hardware deduplication tah-detail [tah-hw-table] [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
deduplication	De-duplication
tah-detail	De-dup Detail Information
tah-hw-table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show hardware deduplication tah-summary

show hardware deduplication tah-summary [tah-hw-table] [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
deduplication	De-duplication
tah-summary	De-dup Summary Information
tah-hw-table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show hardware fabricpath mac-learning module

show hardware fabricpath mac-learning module <module>

Syntax Description

show	Show running system information
hardware	Show hardware information
fabricpath	Fabric Path
mac-learning	MAC Learning
module	Specify a module number
<i>module</i>	Specify a module number

Command Mode

- /exec

show hardware feature-capability

show hardware feature-capability [detailed]

Syntax Description

show	Show running system information
hardware	Show hardware information
feature-capability	show registered features supported
detailed	(Optional) detailed

Command Mode

- /exec

show hardware flow aging

```
show hardware flow aging [ instance <inst> ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
aging	Aging Info
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow entry address type

show hardware flow entry address <addr> type { ip | ipv6 | l2 | mpls } [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
entry	Netflow Table Entry
address	Netflow Table Address
<i>addr</i>	Netflow Table Address
type	Flow Type
ip	Internet Protocol Version 4
ipv6	Internet Protocol Version 6
l2	Layer 2 Protocol
mpls	MPLS Protocol
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow ip

```
show hardware flow ip [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ip	Internet Protocol Version 4
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow ipv6

```
show hardware flow ipv6 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ipv6	Internet Protocol Version 6
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow l2

```
show hardware flow l2 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } } ] [ instance
<inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
l2	Layer 2 Protocol
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow mpls

```
show hardware flow mpls [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
mpls	MPLS Protocol
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow sampler

```
show hardware flow sampler { all | count | index <index> | name <sname> } [ detail ] [ instance <inst> ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
sampler	Flow Sampler
all	Netflow Sampler Usage
count	Netflow Sampler Utilization
index	Netflow Sampler Index
<i>index</i>	Netflow Sampler Index
name	Netflow Sampler Name
<i>sname</i>	Netflow Sampler Name
detail	(Optional) Detailed Output Display
instance	(Optional) Instance
<i>inst</i>	(Optional) Clipper Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow tah-etrap

```
show hardware flow tah-etrap [ module <module> ] [ { unit <unit> slice <slice> } ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Traffic flow information
tah-etrap	Elephant Trap information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
unit	(Optional) Asic Number
<i>unit</i>	(Optional) Asic Number on the module
slice	(Optional) slice num on asic
<i>slice</i>	(Optional) slice number on asic

Command Mode

- /exec

show hardware flow utilization

show hardware flow utilization [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
utilization	NT Table Utilization
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware forwarding interface statistics mode

show hardware forwarding interface statistics mode

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	Show hardware information for forwarding path
interface	Interface
statistics	Statistics
mode	Statistics mode

Command Mode

- /exec

show hardware forwarding memory health detail

show hardware forwarding memory health detail

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
detail	show the detail

Command Mode

- /exec

show hardware forwarding memory health summary

show hardware forwarding memory health summary

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
summary	show the summary

Command Mode

- /exec

show hardware ip verify

show hardware [forwarding] ip verify [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	(Optional) Show hardware information for forwarding path
ip	IP
verify	Show IP packet verification checks enabled in hardware
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware profile forwarding-mode

show hardware profile forwarding-mode

Syntax Description

show	Show running system information
hardware	Show hardware profile forwarding-mode
profile	profile forwarding-mode
forwarding-mode	forwarding-mode

Command Mode

- /exec

show hardware profile module

show hardware profile module <module>

Syntax Description

show	Show running system information
hardware	Show hardware profile
profile	Profile settings
module	Enter module number
<i>module</i>	

Command Mode

- /exec

show hardware profile packet-drop

```
show hardware profile packet-drop { status | data [ instance <cap_instance> ] | event [ instance <cap_instance> ] }
```

Syntax Description

show	Show running system information
hardware	Change hardware usage settings
profile	Profile settings
packet-drop	Packet Drop parameters
status	Packet Drop status
data	Packet Drop circular-buffer data
instance	(Optional) Packet Drop captured instance
<i>cap_instance</i>	(Optional) Value 1-5
event	Packet Drop event-buffer data
instance	(Optional) Packet Drop captured instance
<i>cap_instance</i>	(Optional) Value 1-5

Command Mode

- /exec

show hardware profile portmode

{ show hardware profile portmode }

Syntax Description

show	Show running system information
hardware	Change hardware usage settings
profile	profile settings
portmode	QSFP port mode setting

Command Mode

- /exec

show hardware profile status

show hardware profile status [module <module>] [detail]

Syntax Description

show	Show running system information
hardware	Show hardware usage settings
profile	Show current table usage
status	Show status of dynamic resource allocation
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module</i>	(Optional) Slot/module number
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show hardware profile tcam region

show hardware profile tcam region

Syntax Description

show	Show running system information
hardware	Show hardware information
profile	profile
tcam	Show tcam parameters
region	Show tcam region sizes

Command Mode

- /exec

show hardware qos afd profile

show hardware qos afd profile [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
afd	Show Approximate Fair Dropping config
profile	Show AFD profile config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos burst-detect max-records

show hardware qos burst-detect max-records

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
burst-detect	Show oobst burst-detect info
max-records	Show oobst burst-detect max-records

Command Mode

- /exec

show hardware qos eoq stats-class

show hardware qos eoq stats-class [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
eoq	Show Extended Output Queue(EOQ) related information
stats-class	Show EOQ Statistics class selection config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos include ipg

```
show hardware qos include ipg [ module <module> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
include	Show include config
ipg	Show whether to include IPG in Shaping/Policing config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ing-pg-hdrm-reserve

show hardware qos ing-pg-hdrm-reserve [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-hdrm-reserve	Show ing-pg-hdrm-reserve config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ing-pg-no-min

show hardware qos ing-pg-no-min [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-no-min	Show ing-pg-no-min config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ing-pg-share

show hardware qos ing-pg-share [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-share	Show ing-pg-share config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos min-buffer

show hardware qos min-buffer [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
min-buffer	Show min-buffer config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ns-buffer-profile

show hardware qos ns-buffer-profile [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ns-buffer-profile	Show ns-buffer-profile config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ns-mcq3-alias

show hardware qos ns-mcq3-alias [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
ns-mcq3-alias	Show NS mc-queue-3 alias class selection config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware rate-limiter

```
show hardware rate-limiter [ module <module> ] [ layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2
<l2-opts> | <opts> | fl <fl-opts> | span-egress | urpf-fail ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
layer-3	(Optional) Layer-3 control and Routed packets
<i>l3-opts</i>	(Optional)
multicast	(Optional) Multicast data packets
<i>mcast-opts</i>	(Optional)
layer-2	(Optional) Layer-2 control and Bridged packets
<i>l2-opts</i>	(Optional)
<i>opts</i>	(Optional)
fl	(Optional) Control packets from F1 modules to supervisor
<i>fl-opts</i>	(Optional)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware rate-limiter

```
show hardware rate-limiter [ module <module> ] [ layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2
<l2-opts> | <opts> | fl <f1-opts> | span-egress | urpf-fail ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
layer-3	(Optional) Layer-3 control and Routed packets
<i>l3-opts</i>	(Optional)
multicast	(Optional) Multicast data packets
<i>mcast-opts</i>	(Optional)
layer-2	(Optional) Layer-2 control and Bridged packets
<i>l2-opts</i>	(Optional)
<i>opts</i>	(Optional)
fl	(Optional) Control packets from F1 modules to supervisor
<i>f1-opts</i>	(Optional)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware rate-limiter span-egress

show hardware rate-limiter span-egress

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
span-egress	SPAN/ERSPAN egress packets

Command Mode

- /exec

show hardware vxlan storm-control

show hardware vxlan storm-control

Syntax Description

show	Show running system information
hardware	Show hardware information
vxlan	VxLAN Information
storm-control	Storm Control Information

Command Mode

- /exec

show hostname

show { hostname | switchname }

Syntax Description

show	Show running system information
hostname	show the system's hostname
switchname	show the system's hostname

Command Mode

- /exec

show hosts

show hosts

Syntax Description

show	Show running system information
hosts	Show information about DNS

Command Mode

- /exec

show hsrp

```
show hsrp [ interface <interface-id> ] [ group <group-number> ] [ active | init | learn | listen | speak | standby ] + [ all ] [ brief [ all ] | detail ] [ ipv4 | ipv6 ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
active	(Optional) Groups in active state
init	(Optional) Groups in init state
listen	(Optional) Groups in listen state
standby	(Optional) Groups in standby state
learn	(Optional) Groups in learn state
speak	(Optional) Groups in speak state
group	(Optional) Group number
<i>group-number</i>	(Optional) Group Number
all	(Optional) Include groups in disabled state
brief	(Optional) Brief output
detail	(Optional) Detailed output
ipv4	(Optional) HSRP V4 Groups
ipv6	(Optional) HSRP V6 Groups
all	(Optional) Display all VIPs

Command Mode

- /exec

show hsrp anycast

```
show hsrp anycast [ <id> { ipv4 | ipv6 | both } ] [ brief ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
<i>id</i>	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle
brief	(Optional) Brief output

Command Mode

- /exec

show hsrp anycast interface vlan

show hsrp anycast interface { vlan | bdi } <id>

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
interface	Bundle on this interface Interface
vlan	VLAN interface
bdi	Bridge-Domain interface
<i>id</i>	VLAN number

Command Mode

- /exec

show hsrp anycast remote-db

```
show hsrp anycast remote-db [ <id> { ipv4 | ipv6 | both } ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
remote-db	Remote data base for the bundle
<i>id</i>	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle

Command Mode

- /exec

show hsrp anycast summary

show hsrp anycast summary

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
summary	Show HSRP summary

Command Mode

- /exec

show hsrp bfd-sessions

```
show hsrp bfd-sessions [ interface <interface-id> [ to <ipaddress> ] ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
to	(Optional) To IP address
<i>ipaddress</i>	(Optional) Sessions to IP address

Command Mode

- /exec

show hsrp delay

show hsrp delay [interface <interface-id>]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
delay	Group initialisation delay
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface

Command Mode

- /exec

show hsrp mgo

```
show hsrp mgo [ name <name> | brief ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
mgo	Show HSRP mgo details
name	(Optional) Redundancy name string
<i>name</i>	(Optional) name string
brief	(Optional) show HSPR mgo brief

Command Mode

- /exec

show hsrp summary

show hsrp summary

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
summary	Show HSRP summary

Command Mode

- /exec



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show icam entries acl module inst

```
show icam entries acl module <module> inst <inst> [ history <num_intervals> ] [ sort { top <top_x> | sort-order { ascending | descending } | filter <f_f> [ exact ] | top <top_x> sort-order { ascending | descending } | top <top_x> filter <f_f> [ exact ] | top <top_x> sort-order { ascending | descending } filter <f_f> [ exact ] | top <top_x> filter <f_f> [ exact ] sort-order { ascending | descending } | sort-order { ascending | descending } top <top_x> | sort-order { ascending | descending } filter <f_f> [ exact ] | sort-order { ascending | descending } filter <f_f> [ exact ] top <top_x> | sort-order { ascending | descending } top <top_x> filter <f_f> [ exact ] | filter <f_f> [ exact ] top <top_x> | filter <f_f> [ exact ] sort-order { ascending | descending } | filter <f_f> [ exact ] top <top_x> sort-order { ascending | descending } | filter <f_f> [ exact ] sort-order { ascending | descending } top <top_x> } ]
```

Syntax Description

show	Show running system information
icam	intelligent CAM
entries	TCAM Entries with result and stats
acl	ACL entries
module	Module Number
<i>module</i>	Enter Module Number
inst	ASIC/Forwarding Engine Instance Number
<i>inst</i>	Enter Instance Number
sort	(Optional) Sorted display
top	(Optional) Show top x% entries (Default:100%)
<i>top_x</i>	(Optional) x% of entries to be displayed
sort-order	(Optional) Choose the order of displaying sorted entries (Default:descending)
ascending	(Optional) Sort in Ascending order of Stats
descending	(Optional) Sort in Descending order of Stats
filter	(Optional) Feature to be filtered (Default:All)
<i>f_f</i>	(Optional) Enter feature to be filtered
exact	(Optional) Exact match for feature filter
history	(Optional) Show entries history
<i>num_intervals</i>	(Optional) Number of intervals to display

Command Mode

- /exec

show icam health

show icam health

Syntax Description

show	Show running system information
icam	iCAM - intelligent CAM
health	Health status

Command Mode

- /exec

show icam prediction entries acl module inst

show icam prediction entries acl module <module> inst <inst> <YYYY> <Month> <Date> <Time> [top <top_x>]

Syntax Description

show	Show running system information
icam	intelligent CAM
prediction	Machine learning prediction
entries	TCAM Entries with result and stats
acl	ACL entries
module	Module Number
<i>module</i>	Enter Module Number
inst	ASIC/Forwarding Engine Instance Number
<i>inst</i>	Enter Instance Number
<i>YYYY</i>	Enter year in YYYY format
<i>Month</i>	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>Date</i>	Enter day of month in dd format
<i>Time</i>	Enter hour, minutes, seconds as HH:MM:SS
top	(Optional) Show top x% entries (Default:1%)
<i>top_x</i>	(Optional) x% of entries to be displayed

Command Mode

- /exec

show icam prediction scale

```
show icam prediction scale [ { { l2-switching [ mac-addresses | mst-instances | mst-vports | rpvst-vports |
rpvst-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport | rpvst-vport | rpvst-vlan
| isolated-portvlan | rpvst-lport } | vlan { vlan-count } ] } | { multicast-routing [ multicast-routes | igmp-groups
| pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4 | route-starg-v4
| route-sg-v6 | route-starg-v6 | outgoing-interface } | igmp { group } | pim { neighbor } ] } | { unicast-routing
[ bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa
| ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp
{ mac } | arp { arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 |
lpm-route-v6 } | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp
{ grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf
| grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path } ] } | { vxlan [ igmp { vlan | vtep |
underlay-mcast-group } | fl { vni | underlay-mcast-group | overlay-mac | total-mac | vtep | ir-peer | ir-vni |
ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp |
vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni | svi | vrf | underlay-mcast-group | vtep | mac |
host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp |
vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf | vtep | mac | host-route-v4 | host-route-v6 |
overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } ] } ] } ]
<YYYY> <Month> <Date> <Time>
```

Syntax Description

show	Show running system information
icam	intelligent CAM
scale	Verified scale
prediction	Machine learning prediction
l2-switching	(Optional) Layer 2 switching
multicast-routing	(Optional) Multicast routing
unicast-routing	(Optional) Unicast routing
vxlan	(Optional) VxLAN
mac-addresses	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mst-instances	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mst-vports	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rpvst-vports	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rpvst-vlans	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
total-vlans-x-ports	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vlans	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

infra	(Optional) Infrastructure
mac	(Optional) MAC Address
vlan	(Optional) VLAN
vlan-count	(Optional) Number of VLANs
stp	(Optional) Spanning Tree Protocol
mst-instance	(Optional) MST instances
mst-vport	(Optional) MST virtual ports
rpvst-vport	(Optional) RPVST virtual ports
rpvst-vlan	(Optional) RPVST VLANs
isolated-portvlan	(Optional) Total number of VLANs x ports with switchport isolated
rpvst-lport	(Optional) RPVST logical ports
multicast-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
igmp-groups	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pim-neighbors	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
outgoing-interfaces	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
routing-forwarding	(Optional) Routing and forwarding
route-v4	(Optional) IPv4 Route
route-v6	(Optional) IPv6 Route
route-sg-v4	(Optional) IPv4 S,G Route
route-starg-v4	(Optional) IPv4 *,G Route
route-sg-v6	(Optional) IPv6 S,G Route
route-starg-v6	(Optional) IPv6 *,G Route
outgoing-interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
igmp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
group	(Optional) IGMP snooping group
pim	(Optional) PIM
neighbor	(Optional) PIM neighbor
bfd-sessions	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
eigrp-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

ipv4-arp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv4-host-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv6-host-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv4-isis-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-nbr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-lsa	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-area	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-passive-intf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
bfd	(Optional) BFD
session	(Optional) BFD session
bgp	(Optional) BGP
neighbor	(Optional) BGP neighbor
eigrp	(Optional) EIGRP
route	(Optional) EIGRP route
neighbor	(Optional) EIGRP neighbor
hsrp	(Optional) HSRP
mac	(Optional) HSRP MAC
arp	(Optional) ARP
arp-count	(Optional) ARP count
ipv6-nd	(Optional) IPv6 ND
nd-count	(Optional) ND count
routing	(Optional) Routing
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
lpm-route-v4	(Optional) IPv4 LPM route
lpm-route-v6	(Optional) IPv6 LPM route
isis	(Optional) IS-IS
adjacency	(Optional) IS-ISv4 adjacency

bfd-session	(Optional) IS-ISv4 BFD session
route	(Optional) IS-ISv4 route
ospf	(Optional) OSPF
neighbor	(Optional) OSPF neighbor
lsa	(Optional) OSPF LSA
area	(Optional) OSPF Area
vrf	(Optional) VRF
vrf-count	(Optional) VRF count
vrrp	(Optional) VRRP
grp-per-intf	(Optional) VRRP groups per interface
pbr	(Optional) PBR
seq-per-policy	(Optional) PBR Configured sequences per policy
nh-per-policy	(Optional) PBR NextHop per policy
ace-v4	(Optional) PBR IPv4 ACEs
ace-v6	(Optional) PBR IPv6 ACEs
ace-v4v6	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
intf	(Optional) Interfaces with PBR policy
vrrp3	(Optional) VRRPv3
grp-per-intf	(Optional) VRRPv3 groups per interface
grp-dft-timer	(Optional) VRRPv3 groups with default timers (1 s)
grp-relax-timer	(Optional) VRRPv3 groups with relaxed timers (3 s)
path-dft-timer	(Optional) Pathways with one VRRPv3 group with default timer (1 s)
grp-and-path	(Optional) VRRPv3 groups and pathways combined
igmp	(Optional) IGMP snooping over VXLAN
vlan	(Optional) VLAN
vtep	(Optional) VTEP Peers
underlay-mcast-group	(Optional) Underlay multicast group
fl	(Optional) VXLAN Flood and Learn
vni	(Optional) VNI

underlay-mcast-group	(Optional) Underlay multicast group
overlay-mac	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
total-mac	(Optional) Total MAC address
vtep	(Optional) Remote VTEP
ir-peer	(Optional) Ingress replication peer
ir-vni	(Optional) Ingress replication L2 VNI
ir-mac	(Optional) Ingress replication MAC address
vlan-mapping-under-intf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vlan-mapping-in-switch	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
static-mac-to-vtep	(Optional) Static MACs to remote VTEP
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLANs per FEX port
vni-for-vpc-gw	(Optional) L2 routed VNIs for vPC-centralized gateway
igmp-group	(Optional) IGMP group
bgp	(Optional) BGP eVPN
vni	(Optional) VNI
svi	(Optional) SVI with Anycast Gateway
vrf	(Optional) VRF
underlay-mcast-group	(Optional) Underlay multicast group
vtep	(Optional) VTEP
mac	(Optional) MAC address
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
overlay-lpm-route-v4	(Optional) IPv4 LPM route
overlay-lpm-route-v6	(Optional) IPv6 LPM route
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLAN per FEX port
igmp-group	(Optional) IGMP group
bgp-ir	(Optional) BGP eVPN Ingress Replication

vni	(Optional) VNI
svi	(Optional) SVI with Anycast Gateway
vrf	(Optional) VRF
vtep	(Optional) VTEP
mac	(Optional) MAC address
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
overlay-lpm-route-v4	(Optional) IPv4 LPM route
overlay-lpm-route-v6	(Optional) IPv6 LPM route
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLAN per FEX port
igmp-group	(Optional) IGMP group

Command Mode

- /exec

show icam scale

```
show icam scale [ { { l2-switching [ mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans |
total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport | rpvst-vport | rpvst-vlan |
isolated-portvlan | rpvst-lport } | vlan { vlan-count } ] } | { multicast-routing [ multicast-routes | igmp-groups
| pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4 | route-starg-v4
| route-sg-v6 | route-starg-v6 | outgoing-interface } | igmp { group } | pim { neighbor } ] } | { unicast-routing
[ bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa
| ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp
{ mac } | arp { arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 |
lpm-route-v6 } | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp
{ grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf
| grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path } ] } | { vxlan [ igmp { vlan | vtep |
underlay-mcast-group } | fl { vni | underlay-mcast-group | overlay-mac | total-mac | vtep | ir-peer | ir-vni |
ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp |
vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni | svi | vrf | underlay-mcast-group | vtep | mac |
host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp |
vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf | vtep | mac | host-route-v4 | host-route-v6 |
overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } ] } ]
[ history <num_intervals> [ sort { current-scale [ ascending | descending ] | polled-timestamp [ newest | oldest
] } ] | utilization | thresholds ]
```

Syntax Description

show	Show running system information
icam	intelligent CAM
scale	Verified scale
l2-switching	(Optional) Layer 2 switching
multicast-routing	(Optional) Multicast routing
unicast-routing	(Optional) Unicast routing
vxlan	(Optional) VxLAN
mac-addresses	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mst-instances	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mst-vports	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rpvst-vports	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rpvst-vlans	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
total-vlans-x-ports	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vlans	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
infra	(Optional) Infrastrure

mac	(Optional) MAC Address
vlan	(Optional) VLAN
vlan-count	(Optional) Number of VLANs
stp	(Optional) Spanning Tree Protocol
mst-instance	(Optional) MST instances
mst-vport	(Optional) MST virtual ports
rpvst-vport	(Optional) RPVST virtual ports
rpvst-vlan	(Optional) RPVST VLANs
isolated-portvlan	(Optional) Total number of VLANs x ports with switchport isolated
rpvst-lport	(Optional) RPVST logical ports
multicast-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
igmp-groups	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pim-neighbors	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
outgoing-interfaces	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
routing-forwarding	(Optional) Routing and forwarding
route-v4	(Optional) IPv4 Route
route-v6	(Optional) IPv6 Route
route-sg-v4	(Optional) IPv4 S,G Route
route-starg-v4	(Optional) IPv4 *,G Route
route-sg-v6	(Optional) IPv6 S,G Route
route-starg-v6	(Optional) IPv6 *,G Route
outgoing-interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
igmp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
group	(Optional) IGMP snooping group
pim	(Optional) PIM
neighbor	(Optional) PIM neighbor
bfd-sessions	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
eigrp-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv4-arp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

ipv4-host-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv6-host-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv4-isis-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-nbr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-lsa	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-area	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-passive-intf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
bfd	(Optional) BFD
session	(Optional) BFD session
bgp	(Optional) BGP
neighbor	(Optional) BGP neighbor
eigrp	(Optional) EIGRP
route	(Optional) EIGRP route
neighbor	(Optional) EIGRP neighbor
hsrp	(Optional) HSRP
mac	(Optional) HSRP MAC
arp	(Optional) ARP
arp-count	(Optional) ARP count
ipv6-nd	(Optional) IPv6 ND
nd-count	(Optional) ND count
routing	(Optional) Routing
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
lpm-route-v4	(Optional) IPv4 LPM route
lpm-route-v6	(Optional) IPv6 LPM route
isis	(Optional) IS-IS
adjacency	(Optional) IS-ISv4 adjacency
bfd-session	(Optional) IS-ISv4 BFD session

route	(Optional) IS-ISv4 route
ospf	(Optional) OSPF
neighbor	(Optional) OSPF neighbor
lsa	(Optional) OSPF LSA
area	(Optional) OSPF Area
vrf	(Optional) VRF
vrf-count	(Optional) VRF count
vrrp	(Optional) VRRP
grp-per-intf	(Optional) VRRP groups per interface
pbr	(Optional) PBR
seq-per-policy	(Optional) PBR Configured sequences per policy
nh-per-policy	(Optional) PBR NextHop per policy
ace-v4	(Optional) PBR IPv4 ACEs
ace-v6	(Optional) PBR IPv6 ACEs
ace-v4v6	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
intf	(Optional) Interfaces with PBR policy
vrrp3	(Optional) VRRPv3
grp-per-intf	(Optional) VRRPv3 groups per interface
grp-dft-timer	(Optional) VRRPv3 groups with default timers (1 s)
grp-relax-timer	(Optional) VRRPv3 groups with relaxed timers (3 s)
path-dft-timer	(Optional) Pathways with one VRRPv3 group with default timer (1 s)
grp-and-path	(Optional) VRRPv3 groups and pathways combined
igmp	(Optional) IGMP snooping over VXLAN
vlan	(Optional) VLAN
vtep	(Optional) VTEP Peers
underlay-mcast-group	(Optional) Underlay multicast group
fl	(Optional) VXLAN Flood and Learn
vni	(Optional) VNI
underlay-mcast-group	(Optional) Underlay multicast group

overlay-mac	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
total-mac	(Optional) Total MAC address
vtep	(Optional) Remote VTEP
ir-peer	(Optional) Ingress replication peer
ir-vni	(Optional) Ingress replication L2 VNI
ir-mac	(Optional) Ingress replication MAC address
vlan-mapping-under-intf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vlan-mapping-in-switch	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
static-mac-to-vtep	(Optional) Static MACs to remote VTEP
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLANs per FEX port
vni-for-vpc-gw	(Optional) L2 routed VNIs for vPC-centralized gateway
igmp-group	(Optional) IGMP group
bgp	(Optional) BGP eVPN
vni	(Optional) VNI
svi	(Optional) SVI with Anycast Gateway
vrf	(Optional) VRF
underlay-mcast-group	(Optional) Underlay multicast group
vtep	(Optional) VTEP
mac	(Optional) MAC address
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
overlay-lpm-route-v4	(Optional) IPv4 LPM route
overlay-lpm-route-v6	(Optional) IPv6 LPM route
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLAN per FEX port
igmp-group	(Optional) IGMP group
bgp-ir	(Optional) BGP eVPN Ingress Replication
vni	(Optional) VNI

svi	(Optional) SVI with Anycast Gateway
vrf	(Optional) VRF
vtep	(Optional) VTEP
mac	(Optional) MAC address
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
overlay-lpm-route-v4	(Optional) IPv4 LPM route
overlay-lpm-route-v6	(Optional) IPv6 LPM route
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLAN per FEX port
igmp-group	(Optional) IGMP group
history	(Optional) Show scale history
<i>num_intervals</i>	(Optional) Number of intervals in history
sort	(Optional) Sorted display
current-scale	(Optional) Sort records by current-scale value
ascending	(Optional) Sort current-scale values in ascending order
descending	(Optional) Sort current-scale values in descending order
polled-timestamp	(Optional) Sort records by polled-timestamp
newest	(Optional) Sort with newest record first
oldest	(Optional) Sort with oldest record first
utilization	(Optional) Show utilization statistics
thresholds	(Optional) Show thresholds statistics

Command Mode

- /exec

show icam system

```
show icam system [ memory | shared-memory ] [ history <num_sample> [ sort { usage [ ascending | descending ] | polled-timestamp [ newest | oldest ] } ] | utilization | thresholds ]
```

Syntax Description

show	Show running system information
icam	ICAM
system	System resources utilization
memory	(Optional) Virtual Memory usage
shared-memory	(Optional) Shared Memory usage
history	(Optional) Show usage history
<i>num_sample</i>	(Optional) Number of samples in history
sort	(Optional) Sorted display
usage	(Optional) Sort records by usage value
ascending	(Optional) Sort usage values in ascending order
descending	(Optional) Sort usage values in descending order
polled-timestamp	(Optional) Sort records by polled-timestamp
newest	(Optional) Sort with newest record first
oldest	(Optional) Sort with oldest record first
utilization	(Optional) Show utilization statistics
thresholds	(Optional) Show thresholds statistics

Command Mode

- /exec

show ieth-header-decode

show ieth-header-decode <ieth>

Syntax Description

show	Show running system information
ieth-header-decode	Show decode of ieth header
<i>ieth</i>	ieth header in hex (0xFF...) or string (FF..) form

Command Mode

- /exec

show inband-telemetry exporter

show inband-telemetry exporter [<exportername>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
exporter	Show INT Exporter Configuration
<i>exportername</i>	(Optional) Specify an exporter

Command Mode

- /exec

show inband-telemetry flow-profile

show inband-telemetry flow-profile [<flow-profilename>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
flow-profile	Show INT flow Profile Configuration
<i>flow-profilename</i>	(Optional) Specify an flow Profile

Command Mode

- /exec

show inband-telemetry monitor

show inband-telemetry monitor [<monitorname> [cache [detailed]]]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
monitor	Show Monitor Configuration
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show inband-telemetry queue-profile

show inband-telemetry queue-profile [<queue-profilename> | queue-profile-default]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
queue-profile	Show INT Queue Profile Configuration
<i>queue-profilename</i>	(Optional) Specify an Queue Profile
queue-profile-default	(Optional) Show INT Queue Profile Default Configuration

Command Mode

- /exec

show inband-telemetry record

show inband-telemetry record [{ <recordname> }]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
record	Show Record Configuration
<i>recordname</i>	(Optional) Specify a record

Command Mode

- /exec

show inband-telemetry sessions

show inband-telemetry sessions [<monitorname>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
sessions	Show Session Configuration
<i>monitorname</i>	(Optional) Specify a monitor

Command Mode

- /exec

show inband-telemetry watchlist

show inband-telemetry watchlist [{ <watchlistname> }]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
watchlist	Show watchlist Configuration
<i>watchlistname</i>	(Optional) Specify a watchlist

Command Mode

- /exec

show incompatibility-all system

```
show incompatibility-all { system <uri0> | nxos <uri1> }
```

Syntax Description

show	Show running system information
incompatibility-all	Show incompatible configurations for the entire system
system	show incompatibilities with an image
<i>uri0</i>	Enter image uri
nxos	show incompatibilities with an image
<i>uri1</i>	Enter image uri

Command Mode

- /exec

show incompatibility system

```
show incompatibility { system <uri0> | nxos <uri1> }
```

Syntax Description

show	Show running system information
incompatibility	Show incompatible configurations
system	show incompatibilities with an image
<i>uri0</i>	Enter image uri
nxos	show incompatibilities with an image
<i>uri1</i>	Enter image uri

Command Mode

- /exec

show install

show install { inactive | active [brief] | committed }

Syntax Description

show	Show running system information
install	Install related show commands
inactive	Inactive packages
active	Active packages
brief	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
committed	Committed packages

Command Mode

- /exec

show install all failed-standby

show install all failed-standby

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	Show install all information
failed-standby	show log from failed standby

Command Mode

- /exec

show install all failure-reason

show install all failure-reason

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
failure-reason	Show failure reason for the last install all

Command Mode

- /exec

show install all impact

show install all impact [nxos <uri>] + [non-disruptive]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
impact	show impact of the install all command
nxos	(Optional) boot-variable name
<i>uri</i>	(Optional) Enter image uri
non-disruptive	(Optional) non-disruptive show install

Command Mode

- /exec

show install all impact epld

show install all impact epld <uri1>

Syntax Description

show	Show running system information
install	Show the software install status
all	show install all information
impact	show impact of the install all epld command
epld	Show EPLD install information
<i>uri1</i>	Local URI containing EPLD Image

Command Mode

- /exec

show install all progress

show install all progress

Syntax Description

show	Show running system information
install	Show the software install progress
all	show install all information
progress	show progress of the current install all

Command Mode

- /exec

show install all status

show install all status

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
status	show status of the current or last install all

Command Mode

- /exec

show install all time-stats

show install all time-stats [detail | handshake]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
time-stats	show overall time statistics of the last install all
detail	(Optional) show detailed time statistics of the last install all
handshake	(Optional) show handshake time statistics for sysmgr and lc processes of the last install all

Command Mode

- /exec

show install epld status

show install epld status

Syntax Description

show	Show running system information
install	Show the software install status
epld	Show EPLD install information
status	Show status of previous EPLD upgrades

Command Mode

- /exec

show install log

show install log { [<i>id</i> | from <i>id1</i>] [detail] [reverse] [last] }

Syntax Description

show	Show running system information
install	Install related show commands
log	log
<i>id</i>	(Optional) Install Identifies
from	(Optional) Starting at this install identifier
<i>id1</i>	(Optional) Install Identifier
detail	(Optional) Detailed information including impacted processes
reverse	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
last	(Optional) Display the logs for last install operation

Command Mode

- /exec

show install mode

show install mode

Syntax Description

show	Show running system information
install	Install related show commands
mode	Display mode and type of booted image

Command Mode

- /exec

show install packages

show install packages

Syntax Description

show	Show running system information
install	Install related show commands
packages	All packages

Command Mode

- /exec

show install patches

show install patches

Syntax Description

show	Show running system information
install	Install related show commands
patches	All Patches

Command Mode

- /exec

show interface

show interface <ifrange>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number

Command Mode

- /exec

show interface

show interface <ifid_brief1> [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_brief1</i>	Enter interface type and number in module/slot format
brief	(Optional) Show brief info of interface

Command Mode

- /exec

show interface

show interface <ifid_brief2> [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_brief2</i>	Enter interface type and number in module/slot format
brief	(Optional) Show brief info of interface

Command Mode

- /exec

show interface

show interface <ifid> [quick]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid</i>	Enter interface type and number in module/slot format
quick	(Optional) Show info of interface skipping stats

Command Mode

- /exec

show interface

show interface <ifmgmt>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt</i>	Enter interface type and number in module/slot format

Command Mode

- /exec

show interface

show interface [controller | quick]

Syntax Description

show	Show running system information
interface	Show interface status and information
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
quick	(Optional) Show info of interface skipping stats

Command Mode

- /exec

show interface

show interface <ifloop>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop</i>	Enter interface type and number in module/slot format

Command Mode

- /exec

show interface

show interface <iftun_desc>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftun_desc</i>	Enter tunnel interface number

Command Mode

- /exec

show interface

show interface <ifeth> [quick]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth</i>	Enter interface type and number in module/slot format
quick	(Optional) Show info of interface skipping stats

Command Mode

- /exec

show interface

show interface <ifveth>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifveth</i>	Enter interface type and number in module/slot format

Command Mode

- /exec

show interface

show interface <ifrange>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number

Command Mode

- /exec

show interface aggregate-counters

show interface aggregate-counters [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
aggregate-counters	Show interface aggregate counters
brief	(Optional) Show interface aggregate counters in brief

Command Mode

- /exec

show interface aggregate-counters

show interface <ifid_aggr_ctr> aggregate-counters [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_aggr_ctr</i>	Enter interface type and number in module/slot format
aggregate-counters	Show interface aggregate counters
brief	(Optional) Show interface aggregate counters in brief

Command Mode

- /exec

show interface bbcredit

show interface <ifid_bbcrd> bbcredit

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_bbcrd</i>	Enter interface type and number in module/slot format
bbcredit	Show BB_credit information for interface

Command Mode

- /exec

show interface brief

show interface <ifmgmt_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifid_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifpch_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifpch_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface brief [controller | cli]

Syntax Description

show	Show running system information
interface	Show interface status and information
brief	Show brief info of interface
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
cli	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show interface brief

show interface <ifloop_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <iftunnel_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftunnel_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifeth_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifrange> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifrange> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
brief	Show brief info of interface

Command Mode

- /exec

show interface cable-diagnostics-tdr

show interface <ifid_tdr> cable-diagnostics-tdr

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_tdr</i>	Enter interface type and number in module/slot format
cable-diagnostics-tdr	Show interface tdr test information

Command Mode

- /exec

show interface capabilities

show interface capabilities

Syntax Description

show	Show running system information
interface	Show interface status and information
capabilities	Show interface capabilities information

Command Mode

- /exec

show interface capabilities

show interface <ifid_cap> capabilities

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_cap</i>	Enter interface type and number in module/slot format
capabilities	Show interface capabilities information

Command Mode

- /exec

show interface capabilities

show interface <ifid_eth_cap> capabilities

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_eth_cap</i>	Enter interface type and number in module/slot format
capabilities	Show interface capabilities information

Command Mode

- /exec

show interface chassis-info

show interface chassis-info

Syntax Description

show	Show running system information
interface	Show interface status and information
chassis-info	Show all CHASSIS ports

Command Mode

- /exec

show interface chassis-info detail

show interface chassis-info detail

Syntax Description

show	Show running system information
interface	Show interface status and information
chassis-info	Show all CHASSIS ports
detail	Show detailed Chassis Info

Command Mode

- /exec

show interface counters

```
show interface <ifid_ctr> counters [ snmp ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters

show interface <ifid_ctr> counters [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
brief	(Optional) Show interface counters in brief

Command Mode

- /exec

show interface counters

show interface counters [module <module>]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show interface counters

show interface counters [non-zero]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
non-zero	(Optional) To display only the non-zero counter values

Command Mode

- /exec

show interface counters

```
show interface <ifeth_ctr_po> counters [ snmp ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_po</i>	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters

show interface <ifeth_ctr> counters

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters

Command Mode

- /exec

show interface counters

show interface <ifrange> counters

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
counters	Show interface counters

Command Mode

- /exec

show interface counters

show interface <ifrange> counters

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
counters	Show interface counters

Command Mode

- /exec

show interface counters brief

show interface counters brief [<counter_val>]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
brief	Show interface counters in brief
<i>counter_val</i>	(Optional) Specify a single load interval id to show the rates

Command Mode

- /exec

show interface counters brief

```
show interface <ifeth_ctr_brf> counters brief [ <counter_val> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_brf</i>	Enter interface type and number in module/slot format
counters	Show interface counters
brief	Show interface counters in brief
<i>counter_val</i>	(Optional) Specify a single load interval id to show the rates

Command Mode

- /exec

show interface counters detailed

show interface <ifloop_ctr_dtl> counters detailed

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop_ctr_dtl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters

Command Mode

- /exec

show interface counters detailed

show interface counters detailed [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
detailed	Show only non-zero counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed

show interface <ifmgmt_ctr_dtl> counters detailed

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt_ctr_dtl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters

Command Mode

- /exec

show interface counters detailed

show interface <ifeth_ctr_dtl> counters detailed [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_dtl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed all

show interface <ifrange> counters detailed all [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	everything
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed all

show interface <ifid_ctr_dtl_all> counters detailed all [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed all

show interface <ifmgmt_ctr_dtl_all> counters detailed all

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter

Command Mode

- /exec

show interface counters detailed all

show interface <ifloop_ctr_dtl_all> counters detailed all

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter

Command Mode

- /exec

show interface counters detailed all

show interface <ifeth_ctr_dtl_all> counters detailed all [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	everything
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed cached

show interface <ifeth_ctr_dtl_all> counters detailed cached

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
cached	everything cached

Command Mode

- /exec

show interface counters details

show interface <ifid_ctr_det> counters details

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr_det</i>	Enter interface type and number in module/slot format
counters	Show interface counters
details	Show interface counters in detail

Command Mode

- /exec

show interface counters details

show interface <ifid_ctr_det2> counters details

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr_det2</i>	Enter interface type and number in module/slot format
counters	Show interface counters
details	Show interface counters in detail

Command Mode

- /exec

show interface counters errors

show interface counters errors [module <module>] [non-zero]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
errors	Show interface error counters
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
non-zero	(Optional) Display only the non-zero error values

Command Mode

- /exec

show interface counters errors

show interface <ifeth_ctr_errs> counters errors [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_errs</i>	Enter interface type and number in module/slot format
counters	Show interface counters
errors	Show interface error counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters errors

show interface <loop_ctr_errs> counters errors

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>loop_ctr_errs</i>	Enter interface type and number in module/slot format
counters	Show interface counters
errors	Show interface error counters

Command Mode

- /exec

show interface counters fc

show interface counters fc [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
fc	Show interface counters for fc interfaces
brief	(Optional) Show interface counters for fc interfaces in brief

Command Mode

- /exec

show interface counters snmp

show interface <ifeth_ctr> counters snmp

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	Show SNMP MIB values

Command Mode

- /exec

show interface counters snmp

show interface counters snmp [module <module>]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
snmp	Show SNMP MIB values
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show interface counters storm-control

```
show interface <ifeth_ctr_stm_ctrl> counters storm-control [ details ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_stm_ctrl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
storm-control	Show interface storm-control counters
details	(Optional) Show interface storm-control counters details

Command Mode

- /exec

show interface counters storm-control

show interface counters storm-control [details | module <module>]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
storm-control	Show interface storm-control counters
module	(Optional) Limit display to interfaces on module
details	(Optional) Show interface storm-control counters details
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show interface counters storm-control multi-threshold

show interface <ifeth_ctr_stm_ctrl> counters storm-control multi-threshold [unicast | broadcast | multicast]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_stm_ctrl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
storm-control	Show interface storm-control counters
multi-threshold	multi-level storm control
unicast	(Optional) Unicast traffic information
broadcast	(Optional) Broadcast traffic information
multicast	(Optional) Multicast traffic information

Command Mode

- /exec

show interface counters table

show interface counters table [verbose]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
table	format counters in a table
verbose	(Optional) show errors counts after counters

Command Mode

- /exec

show interface counters trunk

show interface <ifeth_ctr_trnk> counters trunk

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_trnk</i>	Enter interface type and number in module/slot format
counters	Show interface counters
trunk	Show interface trunk counters

Command Mode

- /exec

show interface dampening

show interface dampening

Syntax Description

show	Show running system information
interface	Show interface status and information
dampening	Show interface dampening info

Command Mode

- /exec

show interface debounce

show interface debounce

Syntax Description

show	Show running system information
interface	Show interface status and information
debounce	Show interface debounce time information

Command Mode

- /exec

show interface debounce

show interface <ifeth_dbnc> debounce

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_dbnc</i>	Enter interface type and number in module/slot format
debounce	Show interface debounce time information

Command Mode

- /exec

show interface description

show interface <ifid_desc1> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_desc1</i>	Enter interface type and number in module/slot format
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifid> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
description	Interface specific description

Command Mode

- /exec

show interface description

show interface description

Syntax Description

show	Show running system information
interface	Show interface status and information
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifid_mgmt_loop> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_mgmt_loop</i>	Enter interface type and number in module/slot format
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifid_eth> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_eth</i>	Enter interface type and number in module/slot format
description	Show interface description

Command Mode

- /exec

show interface description

show interface <iftun_desc> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftun_desc</i>	Enter tunnel interface number
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifrange> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifrange> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
description	Show interface description

Command Mode

- /exec

show interface detail-counters

show interface detail-counters

Syntax Description

show	Show running system information
interface	Show interface status and information
detail-counters	Show interface counters in detail

Command Mode

- /exec

show interface fcoe

show interface <ifeth_fcoe> fcoe

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_fcoe</i>	Enter interface type and number in module/slot format
fcoe	Show interface fcoe information

Command Mode

- /exec

show interface fec

show interface fec

Syntax Description

show	Show running system information
interface	Show interface status and information
fec	Show interface fec list

Command Mode

- /exec

show interface flowcontrol

show interface flowcontrol [module <module>]

Syntax Description

show	Show running system information
interface	Show interface status and information
flowcontrol	Show interface flowcontrol information
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show interface flowcontrol

show interface <ifeth_fl_ctrl> flowcontrol

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_fl_ctrl</i>	Enter interface type and number in module/slot format
flowcontrol	Show interface flowcontrol information

Command Mode

- /exec

show interface hardware-mappings

show interface hardware-mappings [json]

Syntax Description

show	Show running system information
interface	Interface
hardware-mappings	Show hardware port number and unit information for interfaces
json	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show interface mac-address

show interface <ifid_macaddr> mac-address

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_macaddr</i>	Enter interface type and number in module/slot format
mac-address	Show interface MAC address

Command Mode

- /exec

show interface mac-address

show interface mac-address

Syntax Description

show	Show running system information
interface	Show interface status and information
mac-address	Show interface MAC address

Command Mode

- /exec

show interface priority-flow-control

```
show interface [ <if_list> ] priority-flow-control [ detail ] [ module <module> ]
```

Syntax Description

show	commands to display
interface	Interface for displaying pfc information
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
priority-flow-control	Show interface PFC information
detail	(Optional) Show detailed per priority Tx/Rx PFC statistics

Command Mode

- /exec

show interface private-vlan mapping

show interface [<if>] private-vlan mapping

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>if</i>	(Optional) Vlan Interface number
private-vlan	Show interface private vlan information
mapping	Show interface private vlan information

Command Mode

- /exec

show interface pruning

show interface pruning

Syntax Description

show	Show running system information
interface	Show interface status and information
pruning	Show interface trunk VTP pruning information

Command Mode

- /exec

show interface queuing-drop history brief

show interface [<i>ifindex</i>] queuing-drop history brief <type>

Syntax Description

show	Show running system information
interface	Show interface interface
<i>ifindex</i>	(Optional) Enter interface type and number in module/slot format
queuing-drop	Show interface queuing-drop
history	Show interface queuing-drop history
brief	Show interface queuing-drop history brief
<i>type</i>	Show interface queuing-drop history detail type

Command Mode

- /exec

show interface queuing-drop history detail

show interface <ifindex> queuing-drop history detail <type>

Syntax Description

show	Show running system information
interface	Show interface interface
<i>ifindex</i>	Enter interface type and number in module/slot format
queuing-drop	Show interface queuing-drop
history	Show interface queuing-drop history
detail	Show interface queuing-drop history detail
<i>type</i>	Show interface queuing-drop history detail type

Command Mode

- /exec

show interface snmp-ifindex

show interface snmp-ifindex

Syntax Description

show	Show running system information
interface	Show interface status and information
snmp-ifindex	Show snmp ifindex list

Command Mode

- /exec

show interface status

```
show interface <iftun_status> status [ err-disabled ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftun_status</i>	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state

Command Mode

- /exec

show interface status

show interface <ifid> status

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
status	Interface status

Command Mode

- /exec

show interface status

show interface status [down | inactive | module <module> | up | auto-column]

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
down	(Optional) Show interface down state
inactive	(Optional) Show interface inactive state
auto-column	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
up	(Optional) Show interface up state

Command Mode

- /exec

show interface status

show interface <ifid_status> status

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_status</i>	Enter interface type and number in module/slot format
status	Show interface line status

Command Mode

- /exec

show interface status

show interface <ifeth_status> status

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_status</i>	Enter interface type and number in module/slot format
status	Show interface line status

Command Mode

- /exec

show interface status

show interface <ifrange> status [err-disabled]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state

Command Mode

- /exec

show interface status

show interface <ifrange> status [err-disabled]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state

Command Mode

- /exec

show interface status err-disabled

show interface <ifeth_errdis> status err-disabled

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
<i>ifeth_errdis</i>	Enter interface type and number in module/slot format
err-disabled	Show interface error disabled state

Command Mode

- /exec

show interface status err-disabled

show interface status err-disabled

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
err-disabled	Show interface error disabled state

Command Mode

- /exec

show interface status err-vlans

show interface status err-vlans

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
err-vlans	Show errored vlans

Command Mode

- /exec

show interface status err-vlans

show interface <ifeth_errvlans> status err-vlans

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_errvlans</i>	Enter interface type and number in module/slot format
status	Show interface line status
err-vlans	Show errored vlans

Command Mode

- /exec

show interface storm-control multi-threshold

show interface storm-control multi-threshold

Syntax Description

show	Show running system information
interface	Show interface status and information
storm-control	Show interface storm-control counters
multi-threshold	multi-level storm control

Command Mode

- /exec

show interface switchport

show interface <ifeth_swth> switchport

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_swth</i>	Enter interface type and number in module/slot format
switchport	Show interface switchport information

Command Mode

- /exec

show interface switchport

show interface switchport

Syntax Description

show	Show running system information
interface	Show interface status and information
switchport	Show interface switchport information

Command Mode

- /exec

show interface switchport backup

show interface switchport backup [detail]

Syntax Description

show	Show running system information
interface	Show interface status and information
switchport	Show interface switchport information
backup	Show interface backup
detail	(Optional) Backup interface info in detail

Command Mode

- /exec

show interface transceiver

show interface transceiver [calibrations | details]

Syntax Description

show	Show running system information
interface	Show interface status and information
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information

Command Mode

- /exec

show interface transceiver

show interface <ifid_trns_fc> transceiver [calibrations | details]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_trns_fc</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information

Command Mode

- /exec

show interface transceiver

show interface <ifid_transceiver> transceiver [calibrations | details | sprom]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_transceiver</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information
sprom	(Optional) Show interface transceiver sprom information

Command Mode

- /exec

show interface transceiver fex-fabric

show interface <ifeth_trans> transceiver fex-fabric [calibrations | details]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_trans</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
fex-fabric	Show FEX interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information

Command Mode

- /exec

show interface transceiver fex-fabric

show interface transceiver fex-fabric [calibrations | details]

Syntax Description

show	Show running system information
interface	Show interface status and information
transceiver	Show interface transceiver information
fex-fabric	Show FEX interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information

Command Mode

- /exec

show interface trunk

```
show interface trunk [ module <module> | vlan <vlan_id> | fex <fex_num> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
trunk	Show interface trunk information
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
fex	(Optional) Limit display to interfaces on a FEX
<i>fex_num</i>	(Optional) Enter FEX number
vlan	(Optional) Show per vlan information for trunk
<i>vlan_id</i>	(Optional) Enter vlan range
<i>interface</i>	(Optional) Interface index

Command Mode

- /exec

show interface trunk

show interface <ifeth_trnk> trunk

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_trnk</i>	Enter interface type and number in module/slot format
trunk	Show interface trunk information

Command Mode

- /exec

show interface trunk vsan

```
show interface <ifid_trnk> trunk vsan [ <vsan_id> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_trnk</i>	Enter interface type and number in module/slot format
trunk	Show interface trunk information
vsan	Show per vsan information for trunk
<i>vsan_id</i>	(Optional) Enter vsan range

Command Mode

- /exec

show interface trunk vsan

show interface trunk vsan [<vsan_id>]

Syntax Description

show	Show running system information
interface	Show interface status and information
trunk	Show interface trunk information
vsan	Show per vsan information for trunk
<i>vsan_id</i>	(Optional) Enter vsan range

Command Mode

- /exec

show interface untagged-cos

```
show interface untagged-cos [ module <mod_num> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
untagged-cos	Show interface untagged CoS information
module	(Optional) Limit display to interfaces on module
<i>mod_num</i>	(Optional) Enter module number

Command Mode

- /exec

show interface vlan mapping

show interface <ifindex> vlan mapping

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifindex</i>	Enter interface type and number in module/slot format
vlan	Show VLAN information
mapping	VLAN translation mapping

Command Mode

- /exec

show inventory

show inventory [chassis | fans | power_supply | module [<module>] | <s0> [<santa-cruz-range>] | all]

Syntax Description

show	Show running system information
inventory	system inventory information
chassis	(Optional) system inventory chassis information
fans	(Optional) system inventory fan information
power_supply	(Optional) system inventory power supply information
module	(Optional) system inventory module information
<i>module</i>	(Optional) please enter the module number
<i>s0</i>	(Optional) please enter the module number
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
all	(Optional) system and transceiver inventory information

Command Mode

- /exec

show ip adjacency

show ip adjacency [<interface> [summary] | <ip-addr> [non-best | detail] | detail | summary | non-best | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
adjacency	Display adjacency table
<i>interface</i>	(Optional) Display specific interface adjacencies only
<i>ip-addr</i>	(Optional) IPV4 source address
detail	(Optional) Show detail information of adjacency entries
summary	(Optional) Show adjacency summary
non-best	(Optional) Show both best/non-best entries
throttle	(Optional) Throttle
statistics	(Optional) Show adjacency statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Show adjacency entries for all vrfs

Command Mode

- /exec

show ip amt relay

```
show { ip | ipv6 } amt relay [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
amt	AMT show commands
relay	Display status information about the AMT Relay

Command Mode

- /exec

show ip amt route

```
show { ip | ipv6 } amt route [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
amt	AMT show commands
route	Display multicast routes learned via AMT

Command Mode

- /exec

show ip amt tunnel

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

Syntax Description

show	Show running system information
amt	AMT show commands
ip	Display IP information
tunnel	Display tunnel information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>address4</i>	(Optional) IP address of tunnel endpoint
<i>port</i>	(Optional) UDP port number of gateway
detail	(Optional) Display routes joined by tunnel endpoint

Command Mode

- /exec

show ip arp

```
show ip arp [ [ [ <ip-address> | [ sync-entries | fhrp-non-active-learn ] [ detail ] | static | summary | [ summary ] <interface> ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
summary	(Optional) Display ARP adjacency summary
detail	(Optional) Display detailed information
sync-entries	(Optional) Display ARP table learnt only due to arp table sync
fhrp-non-active-learn	(Optional) Display ARP table learnt only due to request for non-active FHRP address
<i>interface</i>	(Optional) ARP interface
<i>ip-address</i>	(Optional) IP address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display ARP entries for all vrfs
static	(Optional) Display Static ARP entries

Command Mode

- /exec

show ip arp anycast topo-info

show ip arp anycast topo-info [<topo-id>]

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
anycast	anycast feature info
topo-info	Per topology specific information
<i>topo-id</i>	(Optional) Topology ID (VLAN-ID or BD-ID)

Command Mode

- /exec

show ip arp client

show ip arp client

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
client	Display ARP Client table

Command Mode

- /exec

show ip arp controller-statistics

show ip arp controller-statistics

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
controller-statistics	Controller statistics

Command Mode

- /exec

show ip arp inspection

show ip arp inspection

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection

Command Mode

- /exec

show ip arp inspection interfaces

show ip arp inspection interfaces [<intf1>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
interfaces	Trust status of all interfaces
<i>intf1</i>	(Optional) interface

Command Mode

- /exec

show ip arp inspection log

show ip arp inspection log

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
log	Log Buffer

Command Mode

- /exec

show ip arp inspection statistics

show ip arp inspection statistics [vlan <vlan-range>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
statistics	Status of ARP Inspection
vlan	(Optional) Selected vlan range
<i>vlan-range</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show ip arp inspection vlan

```
show ip arp inspection { vlan <vlan-range> }
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
vlan	Selected vlan range
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show ip arp l2 statistics interface

show ip arp l2 statistics interface { <interface> | all }

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
l2	Display ARP L2 port level info
statistics	Display ARP statistics
interface	ARP interface
<i>interface</i>	ARP interface
all	Display ARP statistics for all interface

Command Mode

- /exec

show ip arp multihoming-statistics

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

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
multihoming-statistics	Display ARP Multihoming stats
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display ARP Multihoming statistics for all vrfs
interface-all	(Optional) Display ARP Multihoming statistics for all interface
<i>interface</i>	(Optional) ARP interface

Command Mode

- /exec

show ip arp off-list

```
show ip arp off-list [ { vlan | bdi } <vlan-id> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
off-list	Show adjacencies in off-list arp database
vlan	(Optional) Vlan id
bdi	(Optional) Bridge Domain Name/Id
<i>vlan-id</i>	(Optional) Show information for specified vlan

Command Mode

- /exec

show ip arp open-flow error-statistics

show ip arp open-flow error-statistics

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
open-flow	open flow
error-statistics	IR mode specific adjacency statistics

Command Mode

- /exec

show ip arp static remote

```
show ip arp static remote [ vlan <vlan-id> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
static	Display Static ARP entries
remote	Remote entries
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Vlan
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Show entries for all vrfs

Command Mode

- /exec

show ip arp statistics

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

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
statistics	Display ARP statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display ARP statistics for all vrfs
interface-all	(Optional) Display ARP statistics for all interface
<i>interface</i>	(Optional) ARP interface

Command Mode

- /exec

show ip arp suppression-cache

```
show ip arp suppression-cache { detail [ vlan <vlan_id> ] | summary | statistics | vlan <vlan_id> | local [ vlan <vlan_id> ] | remote [ vlan <vlan_id> ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
suppression-cache	arp-suppression-cache
detail	show details
summary	show summary
statistics	show statistics
local	show local entries
remote	show remote entries
vlan	(Optional) L2vlan
<i>vlan_id</i>	(Optional) Vlan

Command Mode

- /exec

show ip arp suppression topo-info

show ip arp suppression topo-info [<topo-id>]

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
suppression	ARP-suppression based event
topo-info	E-VPN identifier
<i>topo-id</i>	(Optional) E-VPN identifier (VLAN-ID or BD-ID)

Command Mode

- /exec

show ip arp tunnel-statistics

show ip arp tunnel-statistics

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
tunnel-statistics	Display ARP statistics for tunneled packets

Command Mode

- /exec

show ip arp vpc-statistics

show ip arp vpc-statistics

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
vpc-statistics	Show vPC global statistics

Command Mode

- /exec

show ip as-path-access-list

show ip as-path-access-list [<aspl-name> | <aspl-cfg-name>]

Syntax Description

show	Show running system information
ip	Display IP information
as-path-access-list	List AS path access lists
<i>aspl-name</i>	(Optional) AS path access list name
<i>aspl-cfg-name</i>	(Optional) Known as-path access-list name

Command Mode

- /exec

show ip client

show ip client [<client-name>]

Syntax Description

show	Show running system information
ip	Display IP information
client	Display clients registered with the IP process
<i>client-name</i>	(Optional) Display information for a single IP client

Command Mode

- /exec

show ip community-list

show ip community-list [<cl_name>]

Syntax Description

show	Show running system information
ip	Display IP information
community-list	List community-list
<i>cl_name</i>	(Optional) Standard or expanded community-list name

Command Mode

- /exec

show ip dhcp global statistics

show ip dhcp global statistics

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
global	DHCP global stats
statistics	Statistics related to DHCP

Command Mode

- /exec

show ip dhcp option82 suboption info interface

show ip dhcp option82 suboption info interface [<intf>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
option82	DHCP option82
suboption	DHCP option82 suboption
info	DHCP option82 suboption information
interface	DHCP option82 suboption information of all interfaces
<i>intf</i>	(Optional) interface

Command Mode

- /exec

show ip dhcp relay

show ip dhcp relay

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
relay	DHCP relay

Command Mode

- /exec

show ip dhcp relay address

show ip dhcp relay address [interface <intf-range>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show DHCP
relay	relay address of the interface
address	DHCP relay address
interface	(Optional) DHCP relay address of the interface
<i>intf-range</i>	(Optional) interface

Command Mode

- /exec

show ip dhcp relay information trusted-sources

show ip dhcp relay information trusted-sources

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show DHCP
relay	DHCP Relay
information	Relay information
trusted-sources	Relay Trusted Sources

Command Mode

- /exec

show ip dhcp relay statistics

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

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
relay	DHCP Relay
statistics	Statistics related to DHCP
interface	(Optional) input interface
<i>intf</i>	(Optional) interface
serverip	(Optional) Helper address
<i>ip-addr-val</i>	(Optional) IP address
use-vrf	(Optional) helper address VRF membership
<i>vrf-name</i>	(Optional) VRF name

Command Mode

- /exec

show ip dhcp snooping

show ip dhcp snooping

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
snooping	DHCP snooping

Command Mode

- /exec

show ip dhcp snooping binding

show ip dhcp snooping binding [<ip> | <mac> | vlan <vlan-range> |

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
snooping	DHCP snooping
binding	DHCP snooping bindings
<i>ip</i>	(Optional) Binding entry IP address
<i>mac</i>	(Optional) Binding entry MAC address
vlan	(Optional) Binding entry VLAN
<i>vlan-range</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show ip dhcp snooping statistics

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

Syntax Description

<i>vlan-id</i>	(Optional)]
show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
snooping	DHCP snooping
statistics	Statistics related to DHCP
vlan	(Optional) VLAN
interface	(Optional) input interface
<i>intf</i>	(Optional) interface

Command Mode

- /exec

show ip dhcp status

show ip dhcp status

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
status	Current CLI command and execution status of the last command

Command Mode

- /exec

show ip dns source-interface

```
show ip dns source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
dns	Display domain-lookup information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip dns source-interface vrf all

show ip dns source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
dns	Display domain-lookup information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip eigrp

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

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag

Command Mode

- /exec

show ip eigrp accounting

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

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
accounting	IP-EIGRP Accounting

Command Mode

- /exec

show ip eigrp interfaces

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] interfaces [ detail ] [ <interface> ] [ brief ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
interfaces	IP-EIGRP interfaces
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>interface</i>	(Optional) Interface
brief	(Optional) Show summary information only

Command Mode

- /exec

show ip eigrp traffic

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

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
traffic	IP-EIGRP Traffic Statistics

Command Mode

- /exec

show ip extcommunity-list

show ip extcommunity-list [<extcl_name>]

Syntax Description

show	Show running system information
ip	Display IP information
extcommunity-list	List extcommunity-list
<i>extcl_name</i>	(Optional) Standard or expanded community-list name

Command Mode

- /exec

show ip fib distribution

show ip fib distribution [pauz | rezum]

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution information
pauz	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rezum	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip fib distribution clients

show ip fib distribution clients

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution info
clients	unicast client information

Command Mode

- /exec

show ip fib distribution mroute

```
show ip fib distribution mroute [ { <group> | <gprefix> } [ <source> ] ] [ table <id> ]
```

Syntax Description

show	
ip	IP information
fib	Forwarding Information
distribution	FIB distribution information
mroute	MFDM IP multicast routing table
<i>group</i>	(Optional) IPv4 Multicast Group Address
<i>gprefix</i>	(Optional) IPv4 Multicast Group Prefix
<i>source</i>	(Optional) IPv4 Source Address
table	(Optional) Specify Multicast Routing Table
<i>id</i>	(Optional) Multicast Routing Table Identifier

Command Mode

- /exec

show ip fib distribution multicast

show ip fib distribution multicast [messages]

Syntax Description

show	
ip	IP information
fib	Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
messages	(Optional) Outstanding Message Information

Command Mode

- /exec

show ip fib distribution state

show ip fib distribution state

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution info
state	unicast fib state info

Command Mode

- /exec

show ip fib mroute

show ip fib mroute [{ <group> | <gprefix> } [<source>]] [table <table-id>] [module <module>]

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
mroute	Multicast IPv4 routes
<i>group</i>	(Optional) Multicast IPv4 Group Address
<i>gprefix</i>	(Optional) Multicast IPv4 Group Prefix
<i>source</i>	(Optional) Multicast IPv4 Source Address
table	(Optional) display info per vpn-id
<i>table-id</i>	(Optional) table-id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show ip fib route

```
show ip fib route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ summary | <prefix>
[ longer-prefixes ] | <address> | interface <interface> | next-hop <nh> | attached | unresolved | adjacency {
<aif> <anh> | drop | glean | punt } ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all>
} ] +
```

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
route	display IP routing table
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
summary	(Optional) display route counts
<i>prefix</i>	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
<i>address</i>	(Optional) display single longest match route
interface	(Optional) display routes with this output i/f only
<i>interface</i>	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only
<i>nh</i>	(Optional) next hop address
attached	(Optional) display directly connected routes
unresolved	(Optional) display unresolved routes
adjacency	(Optional) display adjacency information
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next-hop address

drop	(Optional) display routes via drop adjacency
glean	(Optional) display routes via glean adjacency
punt	(Optional) display routes via punt adjacency
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show ip ftp source-interface

```
show ip ftp source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ftp	Display FTP client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip ftp source-interface vrf all

show ip ftp source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
ftp	Display FTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip http source-interface

```
show ip http source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
http	Display HTTP client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip http source-interface vrf all

show ip http source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
http	Display HTTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip igmp groups

```
show ip igmp { groups | route } [ <source> [ <group> ] | <group> [ <source> ] ] [ <interface> ] [ summary ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ summary-old ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
groups	Display IGMP attached group membership information
route	Display IGMP attached group membership information
<i>group</i>	(Optional) Multicast IP address of single group to display
<i>source</i>	(Optional) Source IP address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>interface</i>	(Optional) Display group membership on single interface name
summary	(Optional) Display group summary
summary-old	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp interface

```
show ip igmp interface [ <interface> ] [ brief ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
interface	Display IGMP interface related information
<i>interface</i>	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp local-groups

```
show ip igmp local-groups [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
local-groups	Display IGMP local group membership information
<i>interface</i>	(Optional) Display group membership on single interface name
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip igmp policy statistics reports

show ip igmp policy statistics reports [<interface>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Show IGMP related information
policy	Policy related information
statistics	Policy statistics
reports	IGMP reports
<i>interface</i>	(Optional) Interface to display statistics for

Command Mode

- /exec

show ip igmp snooping

```
show ip igmp snooping [ { vlan <vlan> | bridge-domain <bdid> } ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
vlan	(Optional) Display VLAN IGMP snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping membership information
<i>bdid</i>	(Optional) Specify BD
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp snooping explicit-tracking

show ip igmp snooping explicit-tracking [vlan <vlan> | bridge-domain <bdid>] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
explicit-tracking	Display explicit-tracking database for IGMPv3
vlan	(Optional) Display Vlan explicit-tracking database
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD explicit-tracking database
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detail info regarding host and vPC

Command Mode

- /exec

show ip igmp snooping filter details

show ip igmp snooping filter [vlan <vlan_id>] details

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
filter	Shows filter policy configuration
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID
details	Shows different Filter configurations

Command Mode

- /exec

show ip igmp snooping groups

```
show ip igmp snooping [ otv | remote ] groups [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ vlan
<vlan> | bridge-domain <bdid> ] [ detail ] [ summary ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
otv	(Optional) IGMP Snooping OTV information
remote	(Optional) IGMP Snooping remote information
groups	Display snooping information for group address
summary	(Optional) Display snooping group summary
<i>group</i>	(Optional) Multicast IP address of single group to display
<i>source</i>	(Optional) Source IP address
vlan	(Optional) Display VLAN IGMP snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping membership information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information for the group
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp snooping lookup-mode

show ip igmp snooping lookup-mode [vlan <vlan> | bridge-domain <bdid>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
lookup-mode	IGMP Snooping lkup mode information
vlan	(Optional) Display VLAN information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
<i>bdid</i>	(Optional) Specify BD

Command Mode

- /exec

show ip igmp snooping mac-oif

show ip igmp snooping mac-oif [vlan <vlan> | bridge-domain <bdid>] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
mac-oif	IGMP Snooping static mac oif information
vlan	(Optional) Display VLAN information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) static mac oif detail, M2RIB oif info

Command Mode

- /exec

show ip igmp snooping mrouter

show ip igmp snooping mrouter [otv] [vlan <vlan> | bridge-domain <bdid>] [detail] [serialize]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
mrouter	Display multicast routers detected
otv	(Optional) IGMP Snooping OTV information
vlan	(Optional) Display VLAN multicast router information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD multicast router information
<i>bdid</i>	(Optional) Specify BD
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp snooping otv vlan brief

show ip igmp snooping otv vlan brief

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
otv	IGMP Snooping OTV information
vlan	Display VLAN/BD information
brief	Brief output

Command Mode

- /exec

show ip igmp snooping pw vlan brief

show ip igmp snooping pw vlan brief

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
pw	IGMP Snooping PW information
vlan	Display VLAN/BD information
brief	Brief output

Command Mode

- /exec

show ip igmp snooping querier

show ip igmp snooping querier [vlan <vlan> | bridge-domain <bdid>] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
querier	Display snooping querier information
vlan	(Optional) Display VLAN IGMP snooping querier information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping querier information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information

Command Mode

- /exec

show ip igmp snooping report statistics

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

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
report-policy	IGMP Report Policy
access-group	IGMP access-group
statistics	Policy statistics
vlan	(Optional) Display VLAN IGMP snooping policy statistics information
<i>vlan</i>	(Optional) Specify VLAN

Command Mode

- /exec

show ip igmp snooping statistics

show ip igmp snooping statistics [global | vlan <vlan> | bridge-domain <bdid>] [serialize]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
statistics	Display packet/error counter statistics
global	(Optional) Display global statistics
vlan	(Optional) Display VLAN statistics
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD statistics
<i>bdid</i>	(Optional) Specify BD
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp vrf all

show ip igmp vrf all

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
vrf	Display per-VRF information
all	Display information for all VRFs

Command Mode

- /exec

show ip interface

```
show ip interface { { { brief [ include-secondary ] } | [ <interface> ] | [ <ip-addr> ] } [ operational ] [ vaddr ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
interface	Display IP related interface information
brief	Display summary of IP interface status and configuration
include-secondary	(Optional) Display summary of all IP addresses
operational	(Optional) Display only interfaces that are administratively enabled
<i>interface</i>	(Optional) Interface name to display
<i>ip-addr</i>	(Optional) Display interface for local IP address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs
vaddr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip large-community-list

show ip large-community-list [<lgcl_name>]

Syntax Description

show	Show running system information
ip	Display IP information
large-community-list	List large-community-list
<i>lgcl_name</i>	(Optional) Standard or expanded large-community-list name

Command Mode

- /exec

show ip lisp

```
show { ip | ipv6 } lisp [ database ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
database	(Optional) Show EID-prefixes configured for site
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp data-cache

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

Syntax Description

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

Command Mode

- /exec

show ip lisp locator-hash

```
{ { show ip lisp locator-hash { <eid-prefix> | { <source-eid> <dest-eid> } } [ vrf { <vrf-name> | <vrf-known-name> } ] } | { show ipv6 lisp locator-hash { <eid-prefix6> | { <source-eid6> <dest-eid6> } } [ vrf { <vrf-name> | <vrf-known-name> } ] } }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
locator-hash	Display source and dest locators for EID pair
<i>source-eid</i>	Source IPv4 endpoint identifier (EID)
<i>dest-eid</i>	Destination IPv4 endpoint identifier (EID)
<i>eid-prefix</i>	Display exact match for IP EID-prefix entry
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp map-cache

```
{ { show ip lisp map-cache [ <eid> | <eid-prefix> | detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] } | {
show ipv6 lisp map-cache [ <eid6> | <eid-prefix6> | detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] } }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
map-cache	Display EID-to-RLOC cache mapping in this ITR
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>eid</i>	(Optional) Display mapping for IP destination EID
<i>eid-prefix</i>	(Optional) Display exact match for IP EID-prefix entry
detail	(Optional) Display entire map-cache in long format

Command Mode

- /exec

show ip lisp statistics

show { ip | ipv6 } lisp statistics [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
statistics	Display global LISP statistics
vrf	(Optional) Display statistics information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp translate-cache

```
{ show ip lisp translate-cache [ <nrEID> ] } | { show ipv6 lisp translate-cache [ <nrEID6> ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
translate-cache	Display configured translation cache
<i>nrEID</i>	(Optional) IPv4 address of inside non-routable EID
<i>nrEID6</i>	(Optional) IPv6 address of inside non-routable EID

Command Mode

- /exec

show ip load-sharing

show ip load-sharing

Syntax Description

show	Show running system information
ip	Configure IP features
load-sharing	Display global loadbalance info

Command Mode

- /exec

show ip local policy

```
show ip local policy [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
local	IP local options
policy	Policy routing
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip logging

show ip logging [hash]

Syntax Description

show	Show running system information
ip	Display IP information
logging	Display IP policy logging table
hash	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip mbgp

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast | mdt } |
all } ] } } [ <ip-addr> [ <ip-mask> [ longer-prefixes ] ] | <ip-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ip-addr</i>	(Optional) Display one particular network from the BRIB in detail
<i>ip-mask</i>	(Optional) Mask for one particular prefix in the BRIB
<i>ip-prefix</i>	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
mdt	(Optional) Display BGP information for multicast distribution tree
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } { route-map { <rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | {
community-list { <commlist-name> | <test_pol_name> } | extcommunity-list { <extcommlist-name> |
<test_pol_name> } } [ exact-match ] } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list
community-list	Display routes matching the community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>commlist-name</i>	Name of community-list
<i>extcommlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ip mbgp community

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } community { <regexp-str> | { { <comm-id> | <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display BGP information for all address families
community	Display routes matching the BGP communities
<i>regexp-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ip mbgp dampening

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } dampening { dampened-paths [ regexp <regexp-str> ] | flap-statistics | parameters | history-paths [ regexp
<regexp-str> ] } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
dampened-paths	Display all dampened paths
flap-statistics	Display flap statistics for routes
parameters	Display dampening parameters
history-paths	Display all history paths
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show ip mbgp extcommunity

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { ipv4 { unicast | multicast } | all }
] } } extcommunity { <regexp-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>regexp-str</i>	Regular expression to match the extcommunities
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show ip mbgp flap-statistics

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
flap-statistics	Display route flap statistics
<i>ip-prefix</i>	(Optional) Display flap statistics for one prefix
<i>ip-addr</i>	(Optional) Display flap statistics for one network
<i>ip-mask</i>	(Optional) Network mask
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp neighbors

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } neighbors { [ { <neighbor-id> | <ipv6-neighbor-id> } [ routes [ advertised | received | dampened ] |
advertised-routes | received-routes | paths | flap-statistics ] ] | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id>
| <neighbor-interface> } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	Display details for a prefix peering
<i>neighbor-interface</i>	Display details for BGP interface peering
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
routes	(Optional) Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
advertised-routes	(Optional) Display all the routes advertised to this peer
received-routes	(Optional) Display all the routes received from this peer
flap-statistics	(Optional) Display flap statistics for routes received from this peer
paths	(Optional) Display AS paths learned from this peer

Command Mode

- /exec

show ip mbgp nexthop-database

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } nexthop-database [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop-database	Display nexthop database
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp nexthop

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 { unicast | multicast } ] } nexthop
<ipnexthop> [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
<i>ipnexthop</i>	Nexthop address
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family

Command Mode

- /exec

show ip mbgp prefix-list

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 { unicast | multicast } ] } }
prefix-list { <prfxlist-name> | <test_pol_name> } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
<i>test_pol_name</i>	An existing test-list policy
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family

Command Mode

- /exec

show ip mbgp received-paths

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } received-paths [ private ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip mroute

```
show ip mroute [ [ bitfield ] [ detail ] ] | rp | [ summary [ count | software-forwarded | rpf-failed ] ] | { { [ sr
[ <group> [ <source> ] ] [ summary ] ] | [ sr umnat [ <source> <destination> ] ] } | [ <source> <group> ] |
[ <group> [ <source> ] ] | [ <gprefix> exact ] ] [ shared-tree | source-tree | mofrr ] [ [ flags ] | [ detail ] | [
bitfield ] ] [ summary [ software-forwarded | rpf-failed ] ] } ] [ vrf { <vrf-name> | <vrf-known-name> | all
} ]
```

Syntax Description

show	Show running system information
ip	Display IP information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
mroute	Display IP multicast routing table
summary	(Optional) Display route counts and packet rates
shared-tree	(Optional) Display route for *,G entries
source-tree	(Optional) Display route for S,G entries
software-forwarded	(Optional) Display software switched route counts only
rpf-failed	(Optional) Display RPF failure statistics
rp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sr	(Optional) Display Service Reflect Routes only
umnat	(Optional) Display Service Reflect UMNAT Routes only
mofrr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>group</i>	(Optional) Display multicast group/source address for route
<i>source</i>	(Optional) Display group/source address for route
<i>destination</i>	(Optional) Display destination address for route
<i>gprefix</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
count	(Optional) Display route counts only
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display detailed route attributes

flags	(Optional) Display detailed route attributes
exact	(Optional) Exactly match the given mask length

Command Mode

- /exec

show ip msdp count

show ip msdp count [<asn>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
count	Display SA cache counters
<i>asn</i>	(Optional) AS number
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip msdp mesh-group

```
show ip msdp mesh-group [ <mesh-group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
mesh-group	Display members of mesh-group
<i>mesh-group</i>	(Optional) Display single mesh-group
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip msdp peer

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

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
peer	Display MSDP peer information
<i>peer-address</i>	(Optional) IP address of MSDP peer

Command Mode

- /exec

show ip msdp policy statistics sa-policy in

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

Syntax Description

show	Show running system information
ip	Display IP information
msdp	MSDP global configuration commands
policy	Policy information
statistics	Policy statistics
sa-policy	Configured SA policy for MSDP peer
<i>peer-address</i>	IP address of MSDP peer for SA policy
in	Input policy
out	Output policy
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip msdp rpf

```
show ip msdp rpf <rp-address> [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
rpf	Display RPF-peer for RP address
<i>rp-address</i>	IP address of RP
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip msdp sa

```
show ip msdp { sa-cache | route } [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ <asn> ] [ peer
<peer> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Display MSDP SA route cache
sa-cache	Display MSDP SA route cache
<i>source</i>	(Optional) Display group/source address for SA
<i>group</i>	(Optional) Display group/source address for SA
<i>asn</i>	(Optional) AS number
detail	(Optional) Display detailed information
peer	(Optional) Display MSDP SA received from single peer
<i>peer</i>	(Optional) IP address of peer for SA

Command Mode

- /exec

show ip msdp sources

show ip msdp sources [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
sources	Display learned sources with their group counts and limits
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip msdp statistics

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

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
statistics	Display internal statistics
<i>peer-address</i>	(Optional) IP address of MSDP peer
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip msdp summary

show ip msdp summary [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
summary	Display MSDP peer summary

Command Mode

- /exec

show ip multicast vrf

show ip multicast vrf [<vrf-name> | <vrf-known-name> | all] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
multicast	Display multicast routing info
vrf	Display information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information

Command Mode

- /exec

show ip nat-alias

show ip nat-alias

Syntax Description

show	Show running system information
ip	Display IP information
nat-alias	Display aliases registered by NAT module

Command Mode

- /exec

show ip nat max

show ip nat max

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
max	IP NAT max values

Command Mode

- /exec

show ip nat statistics

show ip nat statistics

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
statistics	Translation statistics

Command Mode

- /exec

show ip nat timeout

show ip nat timeout

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
timeout	IP NAT timeout values

Command Mode

- /exec

show ip nat translations

show ip nat translations [vrf { <vrf-name> | <vrf-known-name> | all }] [verbose] [internal-detail]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
translations	Translation entries
verbose	(Optional) Show extra information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all vrfs
internal-detail	(Optional) Display internal debugs

Command Mode

- /exec

show ip ospf

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

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip ospf border-routers

```
show ip ospf [ <tag> ] border-routers [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
border-routers	Border routers

Command Mode

- /exec

show ip ospf database

```
show ip ospf [ <tag> ] database [ [ [ [ network | asbr-summary | summary | router | opaque-link | opaque-area
[ type { router-information | ext-prefix | ext-link } ] ] nssa-external ] [ area <area-id-ip> ] ] | external [ ext_tag
<tag_val> ] | opaque-as ] [ <lsid> ] [ self-originated | adv-router <advid> | adv-router-name <adv-name> ] ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
network	(Optional) Display network LSAs
asbr-summary	(Optional) Display type 4 (asbr-summary) LSAs
external	(Optional) Display type 5 (external) LSAs
router	(Optional) Display router LSAs
nssa-external	(Optional) Display type 7 (NSSA external) LSAs
opaque-link	(Optional) Display Opaque Link-Local LSAs
opaque-area	(Optional) Display Opaque Area LSAs
opaque-as	(Optional) Display Opaque AS LSAs
summary	(Optional) Display type 3 (network-summary) LSAs
self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name

<i>adv-name</i>	(Optional) DNS Name of the Advertising router
<i>area</i>	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
<i>ext_tag</i>	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
<i>type</i>	(Optional) Opaque type
<i>router-information</i>	(Optional) Router Information (RI) Opaque LSA
<i>ext-prefix</i>	(Optional) Extended Prefix Opaque LSA
<i>ext-link</i>	(Optional) Extended Link Opaque LSA
<i>tag</i>	(Optional)

Command Mode

- /exec

show ip ospf database database-summary

```
show ip ospf [ <tag> ] database database-summary [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
database-summary	Summary of database

Command Mode

- /exec

show ip ospf database detail

```
show ip ospf [ <tag> ] database [ [ [ network | asbr-summary | summary | router | opaque-link | opaque-area
[ type { router-information | ext-prefix | ext-link } ] | nssa-external ] [ area <area-id-ip> ] ] | external [ ext_tag
<tag_val> ] | opaque-as ] [ <lsid> ] [ self-originated | adv-router <advid> | adv-router-name <adv-name> ]
detail [ private ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
network	(Optional) Display network LSAs
asbr-summary	(Optional) Display type 4 (asbr-summary) LSAs
external	(Optional) Display type 5 (external) LSAs
router	(Optional) Display router LSAs
nssa-external	(Optional) Display type 7 (NSSA external) LSAs
opaque-link	(Optional) Display Opaque Link-Local LSAs
opaque-area	(Optional) Display Opaque Area LSAs
opaque-as	(Optional) Display Opaque AS LSAs
summary	(Optional) Display type 3 (network-summary) LSAs
self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name

<i>adv-name</i>	(Optional) DNS Name of the Advertising router
<i>area</i>	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
<i>ext_tag</i>	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
<i>type</i>	(Optional) Opaque type
<i>router-information</i>	(Optional) Router Information (RI) Opaque LSA
<i>ext-prefix</i>	(Optional) Extended Prefix Opaque LSA
<i>ext-link</i>	(Optional) Extended Link Opaque LSA
<i>detail</i>	Display LSA in detail
<i>private</i>	(Optional) Developer-only statistics

Command Mode

- /exec

show ip ospf interface

show ip ospf [<tag>] interface [<interface> | vrf { <vrf-name> | <vrf-known-name> | all }] [private]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
<i>interface</i>	(Optional) OSPF enabled interface
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip ospf interface brief

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

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
brief	Display summary of OSPF interfaces

Command Mode

- /exec

show ip ospf lsa-content-changed-list

show ip ospf [<tag>] lsa-content-changed-list { <ip-addr> | <neighbor-name> } <interface>

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
lsa-content-changed-list	LSAs that changed contents
<i>interface</i>	OSPF enabled interface
<i>ip-addr</i>	Neighbor router ID
<i>neighbor-name</i>	DNS Name of the neighbor

Command Mode

- /exec

show ip ospf neighbors

```
show ip ospf [ <tag> ] neighbors [ { { <interface> [ <neighbor> | <neighbor-name> ] } | { [ <neighbor> | <neighbor-name> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
<i>neighbor-name</i>	(Optional) DNS Name of the neighbor

Command Mode

- /exec

show ip ospf neighbors detail

```
show ip ospf [ <tag> ] neighbors [ <interface> ] [ <neighbor> | <neighbor-name> ] detail [ vrf { <vrf-name>
| <vrf-known-name> | all } ] [ private ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
<i>neighbor-name</i>	(Optional) DNS Name of the neighbor
detail	Show detailed neighbor display
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip ospf neighbors summary

show ip ospf [<tag>] neighbors [<interface>] summary [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
summary	Summary of neighbors

Command Mode

- /exec

show ip ospf request-list

```
show ip ospf [ <tag> ] request-list { <ip-addr> | <neighbor-name> } <interface>
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
request-list	Link state request list
<i>interface</i>	OSPF enabled interface
<i>ip-addr</i>	Neighbor router ID
<i>neighbor-name</i>	DNS Name of the neighbor

Command Mode

- /exec

show ip ospf retransmission-list

```
show ip ospf [ <tag> ] retransmission-list { <routerid> | <router-name> } <interface>
```

Syntax Description

<code>show</code>	Show running system information
<code>ip</code>	Display IP information
<code>ospf</code>	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
<code>retransmission-list</code>	Link state retransmission list
<i>routerid</i>	Neighbor router ID
<i>router-name</i>	DNS Name of the router
<i>interface</i>	OSPF enabled interface

Command Mode

- /exec

show ip ospf route

```
show ip ospf [ <tag> ] route [ <ip-addr> | <ip-prefix> [ longer-prefixes ] ] [ all_routes ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
<i>ip-addr</i>	(Optional) Show single OSPF route
<i>ip-prefix</i>	(Optional) Show single exact match OSPF route
longer-prefixes	(Optional) Show exact match and more specific routes
all_routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)

Command Mode

- /exec

show ip ospf route summary

```
show ip ospf [ <tag> ] route [ <ip-prefix> [ longer-prefixes ] ] summary [ vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
<i>ip-prefix</i>	(Optional) Show single exact match OSPF route
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts

Command Mode

- /exec

show ip ospf segment-routing adj-sid-database

show ip ospf [<tag>] segment-routing adj-sid-database [detail]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
segment-routing	Segment-Routing information
adj-sid-database	Adjacency SID Database
detail	(Optional) Detailed Information

Command Mode

- /exec

show ip ospf segment-routing global-block

show ip ospf [<tag>] segment-routing global-block [<adv-rtr>] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
segment-routing	Segment-Routing information
global-block	Global Block
<i>adv-rtr</i>	(Optional) Advertising Router ID
detail	(Optional) Detailed Information

Command Mode

- /exec

show ip ospf segment-routing sid-database

show ip ospf [<tag>] segment-routing sid-database [<sid-id>] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
segment-routing	Segment-Routing information
sid-database	SID Database
<i>sid-id</i>	(Optional) SID value
detail	(Optional) Detailed Information

Command Mode

- /exec

show ip ospf sham-links

```
show ip ospf [ <tag> ] sham-links [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
sham-links	Sham link information

Command Mode

- /exec

show ip ospf sham-links brief

```
show ip ospf [ <tag> ] sham-links brief [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
sham-links	Sham link information
brief	Display summary of OSPF sham links

Command Mode

- /exec

show ip ospf statistics

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

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Event counters

Command Mode

- /exec

show ip ospf summary-address

```
show ip ospf [ <tag> ] summary-address [ private ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
summary-address	Summary-address redistribution information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)

Command Mode

- /exec

show ip ospf traffic

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

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
<i>interface</i>	(Optional) OSPF enabled interface
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Packet counters

Command Mode

- /exec

show ip ospf virtual-links

```
show ip ospf [ <tag> ] virtual-links [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information

Command Mode

- /exec

show ip ospf virtual-links brief

```
show ip ospf [ <tag> ] virtual-links brief [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information
brief	Display summary of OSPF virtual links

Command Mode

- /exec

show ip pim config-sanity

show ip pim config-sanity

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
config-sanity	Configuration Sanity check

Command Mode

- /exec

show ip pim df

```
show ip pim df [ <rp-or-group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
df	Display Bidir Designated Forwarders
<i>rp-or-group</i>	(Optional) Display for a single RP or group address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
internal	(Optional) Commands for internal use

Command Mode

- /exec

show ip pim fabric info

show ip pim fabric info

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
fabric	Fabric functionality
info	show the fabric info

Command Mode

- /exec

show ip pim fabric legacy-vlans

show ip pim fabric legacy-vlans

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
fabric	Fabric functionality
legacy-vlans	Show legacy VLANs on this switch

Command Mode

- /exec

show ip pim group-range

```
show ip pim group-range [ <group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
group-range	Display the various group-ranges
<i>group</i>	(Optional) IP address of group to display
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip pim host-proxy

show ip pim host-proxy

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
host-proxy	host-proxy

Command Mode

- /exec

show ip pim interface show ip pim interface

```
show ip pim interface [ <interface> [ brief ] ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ internal ] [ serialize ]
| show ip pim interface [ brief ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
interface	Display PIM interface related information
<i>interface</i>	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim mdt

```
show ip pim mdt [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip pim mdt bgp

show ip pim mdt bgp [mdt-source <src-addr>]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
bgp	Display BGP related information
mdt-source	(Optional) Source address of MVPN neighbor
<i>src-addr</i>	(Optional) Source Address

Command Mode

- /exec

show ip pim mdt history interval

show ip pim mdt history interval <min> [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
history	Display MDT Data Join Send Histoy
interval	Display in specified interval
<i>min</i>	Minutes
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip pim mdt receive

show ip pim mdt receive [detail] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
receive	Display Received Data Joins Information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information

Command Mode

- /exec

show ip pim mdt send

```
show ip pim mdt send [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
send	Display MDT Data Join Send Information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information

Command Mode

- /exec

show ip pim neighbor

```
show ip pim neighbor { [ <interface> ] | [ <address> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
detail | internal ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
neighbor	Display PIM neighbor related information
<i>interface</i>	(Optional) Display neighbors on single interface name
<i>address</i>	(Optional) IP address of single neighbor to display
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim oif-list

```
show ip pim oif-list <group> [ <source> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
oif-list	Display interfaces for oif-list of PIM route
<i>source</i>	(Optional) Source address to display
<i>group</i>	Group address to display
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip pim pfm-sd cache

```
show ip pim pfm-sd cache [ [ <source> [ <group> ] ] ] [ <group> [ <source> ] ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ local | remote-discovery | batch ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
pfm-sd	PIM Flooding Mechanism and Source Discovery
cache	cache info
vrf	(Optional) Display per-VRF information
<i>group</i>	(Optional) Group address to display
<i>source</i>	(Optional) Source address to display
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
local	(Optional) PIM pfm-sd Local cache
remote-discovery	(Optional) PIM pfm-sd remote-discovery cache
batch	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip pim policy statistics

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

Syntax Description

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

Command Mode

- /exec

show ip pim policy statistics jp

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

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
<i>interface</i>	Interface to display policy statistics for

Command Mode

- /exec

show ip pim route

```
show ip pim route [ [ <source> [ <group> ] ] | [ <group> [ <source> ] ] ] [ bitfield ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
route	Display PIM specific route information
<i>group</i>	(Optional) Group address to display
<i>source</i>	(Optional) Source address to display
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim rp-hash

show ip pim rp-hash <group> [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
rp-hash	Display RP hash value for group
<i>group</i>	Group address for RP lookup
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip pim rp

```
show ip pim rp [ <group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
rp	Display PIM RP, Auto-RP, and BSR related information
<i>group</i>	(Optional) Display RP for group address
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim statistics

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

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
statistics	Packet counter statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim vrf

```
show ip pim vrf [ { <vrf-name> | <vrf-known-name> | all } ] [ detail | internal ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
vrf	Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs PIM is configured for
detail	(Optional) Display detailed information
internal	(Optional) VRF related internal information

Command Mode

- /exec

show ip ping source-interface

show ip ping source-interface [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
ip	Display IP information
ping	Display ping client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip ping source-interface vrf all

show ip ping source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
ping	Display ping client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip policy

```
show ip policy [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ detail ]
```

Syntax Description

show	Show running system information
ip	Display IP information
policy	Policy routing
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Detailed information

Command Mode

- /exec

show ip prefix-list

```
show ip prefix-list { { [ detail | summary ] [ <ipv4-pfl-name> | <ipv4-pfl-cfg-name> ] } | { { <ipv4-pfl-name>
| <ipv4-pfl-cfg-name> } seq <seq-no> } | { { <ipv4-pfl-name> | <ipv4-pfl-cfg-name> } <prefix> [ first-match
| longer ] } }
```

Syntax Description

show	Show running system information
ip	Display IP information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
prefix-list	List IP prefix lists
<i>ipv4-pfl-name</i>	(Optional) Name of prefix-list
<i>ipv4-pfl-cfg-name</i>	(Optional) Known prefix-list name
seq	Sequence number
<i>seq-no</i>	Sequence number
<i>prefix</i>	IP prefix network/length, e.g., 35.0.0.0/8
first-match	(Optional) Find the first match
longer	(Optional) Find the more specific entries

Command Mode

- /exec

show ip process

show ip process [api] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
process	Display IP global information
api	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip rip

```
show { ipv6 | ip } rip [ instance <inst> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip rip interface

```
show { ipv6 | ip } rip [ instance <inst> ] interface [ <interface> ] [ detail ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
interface	RIP interface
<i>interface</i>	(Optional) RIP interface
detail	(Optional) Detailed information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip rip neighbor

```
show { ipv6 | ip } rip [ instance <inst> ] neighbor [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> |
all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP status and configuration
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
neighbor	RIP neighbor
<i>interface</i>	(Optional) RIP interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip rip policy statistics redistribute

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

Syntax Description

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

Command Mode

- /exec

show ip rip route

```
show { ipv6 | ip } rip [ instance <inst> ] route [ { <ipv6-prefix> | <ip-prefix> } [ { longer-prefixes |
shorter-prefixes } ] ] [ summary ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
route	RIP routes
summary	(Optional) route counts
<i>ip-prefix</i>	(Optional) Exact prefix
longer-prefixes	(Optional) exact match and more specific routes
shorter-prefixes	(Optional) exact match and less specific routes
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip rip statistics

```
show { ipv6 | ip } rip [ instance <inst> ] statistics [ * | <interface> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP status and configuration
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
statistics	RIP statistics
<i>interface</i>	(Optional) RIP interface
*	(Optional) RIP statistics for all interfaces

Command Mode

- /exec

show ip route

```
show ip route [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr> | {
<ip-prefix> [ { longer-prefixes | shorter-prefixes } ] } ] [ { <protocol> [ all ] } | { bind-label <bind-lbl> |
next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [ since <stime>
] [ until <utime> ] } } ] + [ summary [ cached ] | detail | summary-counter-consistency-check ] [ vrf {
<vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
route	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
<i>ip-addr</i>	(Optional) Display single route longest match lookup
<i>ip-prefix</i>	(Optional) Display single exact match route
longer-prefixes	(Optional) Display matching routes with mask-lengths \geq prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths \leq prefix
<i>protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
<i>next-hop</i>	(Optional) Next hop address

next-hop-v6	(Optional) Display routes with this V6 next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
detail	(Optional) Display routes in full detail
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip sla application

show ip sla application

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
application	IP SLAs Application

Command Mode

- /exec

show ip sla configuration

show ip sla configuration [<entry-num>] [dynamic]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
configuration	IP SLA configurtaion
<i>entry-num</i>	(Optional) Entry Number
dynamic	(Optional) Entries programmed by clients

Command Mode

- /exec

show ip sla enhanced-history collection-statistics

```
show ip sla enhanced-history collection-statistics [ <operation-number> [ interval <interval-in-secs> ] ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
enhanced-history	IP SLAs Enhanced History
collection-statistics	IP SLAs Collection Statistics
<i>operation-number</i>	(Optional) Entry Number
interval	(Optional) Aggregation Interval
<i>interval-in-secs</i>	(Optional) Interval in seconds

Command Mode

- /exec

show ip sla enhanced-history distribution-statistics

show ip sla enhanced-history distribution-statistics [<operation-number> [interval <interval-in-secs>]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
enhanced-history	IP SLAs Enhanced History
distribution-statistics	IP SLAs Distribution Statistics
<i>operation-number</i>	(Optional) Entry Number
interval	(Optional) Aggregation Interval
<i>interval-in-secs</i>	(Optional) Interval in seconds

Command Mode

- /exec

show ip sla group schedule

show ip sla group schedule [<group-operation-number>]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
group	IP SLAs Group Scheduling/Configuration
schedule	Group Scheduling
<i>group-operation-number</i>	(Optional) Group Schedule Entry Number

Command Mode

- /exec

show ip sla history

show ip sla history [<operation-number>] [tabular | full | interval-statistics]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
history	IP SLAs History
<i>operation-number</i>	(Optional) Entry Number
tabular	(Optional) Compact Output
full	(Optional) Listed Output
interval-statistics	(Optional) Interval statistics output

Command Mode

- /exec

show ip sla reaction-configuration

show ip sla reaction-configuration [<entry-num>]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
reaction-configuration	IP SLAs Reaction Configuration
<i>entry-num</i>	(Optional) Entry Number

Command Mode

- /exec

show ip sla reaction-trigger

show ip sla reaction-trigger [<entry-num>]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
reaction-trigger	IP SLAs Reaction Trigger
<i>entry-num</i>	(Optional) Entry Number

Command Mode

- /exec

show ip sla responder

show ip sla responder

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
responder	IP SLAs Responder Information

Command Mode

- /exec

show ip sla statistics

show ip sla statistics [aggregated] [<entry-num>] [details]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
statistics	IP SLAs Statistics
<i>entry-num</i>	(Optional) Entry Number
details	(Optional) Detailed Output
aggregated	(Optional) IP SLAs Statistics Aggregated

Command Mode

- /exec

show ip sla twamp connection detail

show ip sla twamp connection detail

Syntax Description

show	
ip	
sla	
twamp	
connection	
detail	

Command Mode

- /exec

show ip sla twamp connection requests

show ip sla twamp connection requests

Syntax Description

show	
ip	
sla	
twamp	
connection	
requests	

Command Mode

- /exec

show ip sla twamp session

show ip sla twamp session

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
twamp	IP SLAs Twamp Information
session	Display TWAMP Sessions

Command Mode

- /exec

show ip sla twamp standards

show ip sla twamp standards

Syntax Description

show	
ip	
sla	
twamp	
standards	

Command Mode

- /exec

show ip ssh source-interface

```
show ip ssh source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ssh	Display SSH client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip ssh source-interface vrf all

show ip ssh source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
ssh	Display SSH client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip static-route

show ip static-route [multicast] [internal] [track-table] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
static-route	Display configured static routes
multicast	(Optional) Display only multicast routes
internal	(Optional) Display internal data structure info
track-table	(Optional) Display track object details associated with static routes
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip tcp mss

show ip tcp mss

Syntax Description

show	Show running system information
ip	Configure IP features
tcp	Global TCP parameters
mss	Maximum segment size for TCP connections in bytes

Command Mode

- /exec

show ip telnet source-interface

```
show ip telnet source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
telnet	Display telnet information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip telnet source-interface vrf all

show ip telnet source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
telnet	Display telnet information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip tftp source-interface

```
show ip tftp source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
tftp	Display TFTP client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip tftp source-interface vrf all

show ip tftp source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
tftp	Display TFTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip traceroute source-interface

```
show ip traceroute source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
traceroute	Display traceroute client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip traceroute source-interface vrf all

show ip traceroute source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
traceroute	Display traceroute client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip traffic

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

Syntax Description

show	Show running system information
ip	Display IP information
traffic	Display IP software processed traffic statistics
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip traffic pps

show ip traffic pps

Syntax Description

show	Show running system information
ip	Display IP information
traffic	Display IP software processed traffic statistics
pps	Display packets per second threshold config information

Command Mode

- /exec

show ip udp relay

show ip udp relay

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay

Command Mode

- /exec

show ip udp relay interface

show ip udp relay interface [<intf_range>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
interface	Interface ID
<i>intf_range</i>	(Optional) interface

Command Mode

- /exec

show ip udp relay object-group

show ip udp relay object-group [<obj-grp-name>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
object-group	Object-group
<i>obj-grp-name</i>	(Optional) object-group name

Command Mode

- /exec

show ip verify source

show ip verify source [interface <intf6>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
verify	Verify IPSG information
source	IPSG source
interface	(Optional) Interface
<i>intf6</i>	(Optional) interface

Command Mode

- /exec

show ipt details

show ipt details

Syntax Description

ipt	Display IPT information
details	Show IPT details

Command Mode

- /exec

show ipv6 adjacency

show ipv6 { adjacency | neighbor } [<interface> [summary] | <ipv6-addr> [detail] | detail | summary | non-best | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
neighbor	Show IPv6 neighbor entry
<i>interface</i>	(Optional) Display specific interface adjacencies only
detail	(Optional) Show detail information of adjacency entries
summary	(Optional) Show adjacency summary
non-best	(Optional) Show both best/non-best entries
throttle	(Optional) Throttle
statistics	(Optional) Show adjacency statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Show adjacency entries for all vrfs

Command Mode

- /exec

show ipv6 adjacency aggregate-prefix

```
show ipv6 adjacency aggregate-prefix [ [ vlan <vlan-id> ] [ summary ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
aggregate-prefix	aggregate-prefix PT info
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Vlan
summary	(Optional) Show aggregate-prefix summary
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display AM entries for all vrfs

Command Mode

- /exec

show ipv6 adjacency subnet-prefix

```
show ipv6 adjacency subnet-prefix [ [ vlan <vlan-id> ] [ summary ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
subnet-prefix	subnet-prefix PT info
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Vlan
summary	(Optional) Show subnet-prefix summary
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display ARP entries for all vrfs

Command Mode

- /exec

show ipv6 amt tunnel

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

Syntax Description

show	Show running system information
amt	AMT show commands
ipv6	Display IPv6 information
tunnel	Display tunnel information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>port</i>	(Optional) UDP port number of gateway
detail	(Optional) Display routes joined by tunnel endpoint

Command Mode

- /exec

show ipv6 bgp

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [
<ipv6-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234
} ]
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
longer-prefixes	(Optional) Display route and more specific routes

Command Mode

- /exec

show ipv6 bgp

```
show ipv6 { bgp | mbgp } { route-map { <rmap-name> | <rmap-name> } | prefix-list { <prfxlist-name> |
<test_pol_name> } | filter-list { <fltrlist-name> | <test_pol_name> } | community-list { <commlist-name> |
<test_pol_name> } | extcommunity-list { <extcommlist-name> | <test_pol_name> } [ exact-match ] }
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list
community-list	Display routes matching the community-list
<i>commlist-name</i>	Name of community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>extcommlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ipv6 bgp community

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
community { <regex-str> | { { <comm-id> | <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv6	Display BGP information for IPv6 address family
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
community	Display routes matching the BGP communities
<i>regex-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ipv6 bgp dampening

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
dampening { dampened-paths [ regexp <regexp-str> ] | history-paths [ regexp <regexp-str> ] | parameters |
flap-statistics } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
parameters	Display dampening parameters
dampened-paths	Display all dampened paths
history-paths	Display all history paths
flap-statistics	Display flap statistics for routes
ipv6	Display BGP information for IPv6 address family
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show ipv6 bgp extcommunity

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
extcommunity { <regex-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>regex-str</i>	Regular expression to match the extcommunities
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show ipv6 bgp flap-statistics

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
flap-statistics [ <ipv6-prefix> ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
flap-statistics	Display route flap statistics
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 bgp neighbors

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
neighbors { [ { <neighbor-id> | <ipv6-neighbor-id> } [ routes [ advertised | received | dampened ] |
advertised-routes | paths | received-routes | flap-statistics ] ] | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id>
} [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
neighbors	Display all configured BGP neighbors
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	Display details for a prefix peering
ipv6	Display BGP information for IPv6 address family
routes	(Optional) Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
advertised-routes	(Optional) Display all the routes advertised to this peer
received-routes	(Optional) Display all the routes received from this peer
flap-statistics	(Optional) Display flap statistics for routes received from this peer
paths	(Optional) Display AS paths learned from this peer

Command Mode

- /exec

show ipv6 bgp nexthop-database

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]  
nexthop-database [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop-database	Display nexthop database
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 bgp nexthop

show ipv6 { bgp | mbgp } nexthop <ipv6nexthop>

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
nexthop	Display routes matching the nexthop

Command Mode

- /exec

show ipv6 bgp received-paths

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
received-paths [ private ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 bgp regexp

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] regexp
<regexp-str> [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv6	Display BGP information for IPv6 address family
regexp	Display routes matching the AS path regular expression
<i>regexp-str</i>	Regular expression to match the AS paths

Command Mode

- /exec

show ipv6 bgp summary

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 client

show ipv6 client [<client-name>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
client	Display clients registered with the IPv6 process
<i>client-name</i>	(Optional) Display information for a single IPv6 client

Command Mode

- /exec

show ipv6 dhcp guard policy

show ipv6 dhcp guard policy [<pname>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>pname</i>	(Optional) Policy name for dhcp guard feature

Command Mode

- /exec

show ipv6 dhcp relay

show ipv6 dhcp relay [interface <intf-range>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
interface	(Optional) DHCPv6 relay address of the interface
<i>intf-range</i>	(Optional) interface

Command Mode

- /exec

show ipv6 dhcp relay prefix-delegation

show ipv6 dhcp relay prefix-delegation [interface <intf> | client <ipv6-addr> | prefix <ipv6-prefix>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
prefix-delegation	Delegated prefix bindings
interface	(Optional) Display prefix bindings for an interface
<i>intf</i>	(Optional) interface
client	(Optional) Display prefix bindings for a client
prefix	(Optional) Display a specific prefix binding

Command Mode

- /exec

show ipv6 dhcp relay prefix-delegation detail

show ipv6 dhcp relay prefix-delegation [interface <intf> | client <ipv6-addr> | prefix <ipv6-prefix>] detail

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
prefix-delegation	Delegated prefix bindings
interface	(Optional) Display prefix bindings for an interface
<i>intf</i>	(Optional) interface
client	(Optional) Display prefix bindings for a client
prefix	(Optional) Display a specific prefix binding
detail	Display detailed information

Command Mode

- /exec

show ipv6 dhcp relay statistics

```
show 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

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show information about DHCPv6
relay	DHCPv6 Relay
statistics	Statistics related to DHCPv6
interface	(Optional) input interface
<i>intf</i>	(Optional) interface
server-ip	(Optional) Server address
use-vrf	(Optional) server address VRF membership
<i>vrf-name</i>	(Optional) VRF name
interface	(Optional) Destination interface for the server address
<i>dest-interface</i>	(Optional) Destination interface

Command Mode

- /exec

show ipv6 fragments

show ipv6 fragments [<source-addr>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
fragments	Display queued fragments

Command Mode

- /exec

show ipv6 icmp

```
show ipv6 icmp { adjacency | neighbor | sync-entries } [ <interface> ] [ detail ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
adjacency	Show IPv6 dynamic learnt adjacency entry
neighbor	Show IPv6 static and dynamic learnt neighbor entry
sync-entries	Show IPv6 table learnt only due to table sync
<i>interface</i>	(Optional) Interface name to display
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 icmp global traffic

show ipv6 { icmp | nd } global traffic

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
global	Show ICMPv6/ND global variables
traffic	Display ICMPv6 software processed traffic statistics

Command Mode

- /exec

show ipv6 icmp interface

```
{ show ipv6 { icmp | nd } interface [ <interface> ] { [ prefix [ full ] ] | [ route ] | [ detail ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] }
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
nd	ICMPv6 Neighbor Discovery commands
interface	Display ICMPv6 related interface information
prefix	(Optional) Display List of ICMPv6 RA prefix
route	(Optional) Display List of ICMPv6 RA routes
full	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display ICMPv6 related interface information in detail
<i>interface</i>	(Optional) Interface name to show

Command Mode

- /exec

show ipv6 icmp l2 statistics

```
show ipv6 { icmp | nd } l2 statistics [ interface <interface> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
interface	(Optional) Interface for which l2 stats to be shown
l2	Display ND info for layer-2 interface
statistics	Display ND statistics for layer 2 interface
<i>interface</i>	(Optional) interface

Command Mode

- /exec

show ipv6 icmp nd local-proxy stats

```
show ipv6 icmp nd local-proxy stats { <vlan-interface> [ <interface> ] }
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
local-proxy	show nd local proxy stats
stats	statistics
<i>vlan-interface</i>	vlan interface
<i>interface</i>	(Optional) interface

Command Mode

- /exec

show ipv6 icmp neighbor static remote

show ipv6 icmp neighbor static remote [vlan <vlan-id>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
neighbor	Show IPv6 static and dynamic learnt neighbor entry
static	Display static neighbors
remote	Display remote neighbors
vlan	(Optional) Display per-VLAN information
<i>vlan-id</i>	(Optional) Vlan ID
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Show entries for all vrfs

Command Mode

- /exec

show ipv6 icmp off-list

```
show ipv6 icmp off-list [ vlan <vlan-id> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
off-list	Show adjacencies in off-list icmpv6 database
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Show information for specified vlan

Command Mode

- /exec

show ipv6 icmp vaddr

```
show ipv6 icmp vaddr { link-local [ detail ] | global | pt-tree } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vaddr	Show all virtual addresses configured
link-local	Display link-local virtual ipv6 addresses
detail	(Optional) Display detailed information
global	Display global virtual ipv6 addresses
pt-tree	Display link-local virtual ipv6 addresses pt-tree information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 icmp vpc-statistics

show ipv6 icmp vpc-statistics

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vpc-statistics	Show vPC global statistics

Command Mode

- /exec

show ipv6 interface

```
show ipv6 interface { [ brief [ include-secondary ] [ <interface> | <ipv6-addr> ] [ detail ] ] } [ vrf { <vrf-name>
| <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
interface	Display IPv6 related interface information
brief	(Optional) Display summary of IPv6 status and configuration
include-secondary	(Optional) Display summary of all IPv6 addresses
<i>interface</i>	(Optional) Interface name to display
detail	(Optional) Display detailed IPv6 interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs

Command Mode

- /exec

show ipv6 lisp data-cache

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

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
lisp	LISP show commands
data-cache	Display EID-to-RLOC data cache mapping in this ITR
<i>eid</i>	(Optional) Display mapping for IPv6 destination EID
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ipv6 local policy

show ipv6 local policy [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
local	IPv6 local options
policy	Policy routing
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 mld global traffic

show ipv6 [icmp] mld global traffic

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
global	Show ICMPv6 global variables
traffic	Display ICMPv6 software processed traffic statistics

Command Mode

- /exec

show ipv6 mld groups

```
show ipv6 [ icmp ] mld groups [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ <interface> ] [
summary ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
groups	Display MLD attached group membership information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>interface</i>	(Optional) Display group membership on interface name
summary	(Optional) Display group summary

Command Mode

- /exec

show ipv6 mld interface

```
show ipv6 [ icmp ] mld interface [ <interface> ] [ brief ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
interface	Display ICMPv6 related interface information
detail	(Optional) Display ICMPv6 related interface information in detail
brief	(Optional) Display ICMPv6 related interface information in brief
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>interface</i>	(Optional) Interface name to show

Command Mode

- /exec

show ipv6 mld local-groups

```
show ipv6 [ icmp ] mld local-groups [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
local-groups	Display MLD local group membership information
<i>interface</i>	(Optional) Display group membership on interface name
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 mld snooping

```
show ipv6 mld snooping [ { vlan <vlan> | bridge-domain <bdid> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
vlan	(Optional) Display VLAN MLD snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD MLD snooping membership information
<i>bdid</i>	(Optional) Specify BD

Command Mode

- /exec

show ipv6 mld snooping explicit-tracking

show ipv6 mld snooping explicit-tracking [vlan <vlan> | bridge-domain <bidid>] [detail]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
explicit-tracking	Display explicit-tracking database for MLDv3
vlan	(Optional) Display Vlan explicit-tracking database
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD explicit-tracking database
<i>bidid</i>	(Optional) Specify BD
detail	(Optional) Display detail info regarding host and vPC

Command Mode

- /exec

show ipv6 mld snooping filter details

show ipv6 mld snooping filter [vlan <vlan_id>] details

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
filter	Shows filter policy configuration
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID
details	Shows different Filter configurations

Command Mode

- /exec

show ipv6 mld snooping groups

show ipv6 mld snooping [otv | remote] groups [{ <source> [<group>] } | { <group> [<source>] }] [vlan <vlan> | bridge-domain <bdid>] [detail] [summary]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
otv	(Optional) MLD Snooping OTV information
remote	(Optional) MLD Snooping remote information
groups	Display snooping information for group address
summary	(Optional) Display snooping group summary
vlan	(Optional) Display VLAN MLD snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD MLD snooping membership information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information for the group

Command Mode

- /exec

show ipv6 mld snooping lookup-mode

show ipv6 mld snooping lookup-mode [vlan <vlan> | bridge-domain <bdid>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
lookup-mode	MLD Snooping lkup mode information
vlan	(Optional) Display VLAN information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
<i>bdid</i>	(Optional) Specify BD

Command Mode

- /exec

show ipv6 mld snooping mrouter

show ipv6 mld snooping mrouter [otv] [vlan <vlan> | bridge-domain <bdid>] [detail]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
mrouter	Display multicast routers detected
otv	(Optional) MLD Snooping OTV information
vlan	(Optional) Display VLAN multicast router information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD multicast router information
<i>bdid</i>	(Optional) Specify BD
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 mld snooping otv vlan brief

show ipv6 mld snooping otv vlan brief

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
otv	MLD Snooping OTV information
vlan	Display VLAN/BD information
brief	Brief output

Command Mode

- /exec

show ipv6 mld snooping pw vlan brief

show ipv6 mld snooping pw vlan brief

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
pw	MLD Snooping PW information
vlan	Display VLAN/BD information
brief	Brief output

Command Mode

- /exec

show ipv6 mld snooping querier

show ipv6 mld snooping querier [vlan <vlan> | bridge-domain <bidid>] [detail]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
querier	Display snooping querier information
vlan	(Optional) Display VLAN MLD snooping querier information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD MLD snooping querier information
<i>bidid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information

Command Mode

- /exec

show ipv6 mld snooping report statistics

show ipv6 mld snooping { report-policy | access-group } statistics [vlan <vlan>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
report-policy	MLD report policy
access-group	MLD access-group
statistics	Policy statistics
vlan	(Optional) Display VLAN MLD snooping policy statistics information
<i>vlan</i>	(Optional) Specify VLAN

Command Mode

- /exec

show ipv6 mld snooping statistics

show ipv6 mld snooping statistics [global | vlan <vlan> | bridge-domain <bdid>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
statistics	Display packet/error counter statistics
global	(Optional) Display global statistics
vlan	(Optional) Display VLAN statistics
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD statistics
<i>bdid</i>	(Optional) Specify BD

Command Mode

- /exec

show ipv6 mroute

```
show ipv6 mroute [ [ bitfield ] [ detail ] ] | sr | rp | [ summary [ count | software-forwarded | rpf-failed ] ] | {
[ [ <source> <group> ] | [ <group> [ <source> ] ] ] [ shared-tree | source-tree | mofrr ] [ [ flags ] ] [ detail ] | [
bitfield ] | [ summary [ software-forwarded | rpf-failed ] ] } ] [ vrf { <vrf-name> | <vrf-known-name> | all
} ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
mroute	Display IP multicast routing table
summary	(Optional) Display route counts and packet rates
shared-tree	(Optional) Display route for *,G entries
source-tree	(Optional) Display route for S,G entries
software-forwarded	(Optional) Display software switched route counts only
rpf-failed	(Optional) Display RPF failure statistics
rp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mofrr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
count	(Optional) Display route counts only
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display detailed route attributes
flags	(Optional) Display detailed route attributes

Command Mode

- /exec

show ipv6 mtu

```
show ipv6 mtu [ statistics | vrf { <vrf-name> | <vrf-known-name> | all [ detail ] } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mtu	Display IPV6 Path MTU Cache
statistics	(Optional) Display non-TCP Path MTU Statistics
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 multicast vrf

show ipv6 multicast vrf [<vrf-name> | <vrf-known-name> | all] [detail]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
multicast	Display multicast routing info
vrf	Display information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information

Command Mode

- /exec

show ipv6 nd addr-registry

show ipv6 nd addr-registry

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
addr-registry	Display icmpv6 addr registry entries

Command Mode

- /exec

show ipv6 nd ra dns search-list

show ipv6 nd ra dns search-list [interface <interface>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
search-list	DNS Search List
interface	(Optional) Display DNS Search List information on interface
<i>interface</i>	(Optional) Interface name to display

Command Mode

- /exec

show ipv6 nd ra dns server

show ipv6 nd ra dns server [interface <interface>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
server	Domain Name System Server
interface	(Optional) Display Recursive DNS Server List information on interface
<i>interface</i>	(Optional) Interface name to display

Command Mode

- /exec

show ipv6 nd rguard policy

show ipv6 nd rguard policy [<name>]

Syntax Description

<i>name</i>	(Optional) Policy name for feature RA guard
-------------	---

Command Mode

- /exec

show ipv6 nd suppression-cache

```
show ipv6 nd suppression-cache { detail [ vlan <vlan_id> ] | summary | statistics | vlan <vlan_id> | local [
vlan <vlan_id> ] | remote [ vlan <vlan_id> ] }
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
suppression-cache	nd-suppression-cache
detail	show details
summary	show summary
statistics	show statistics
local	show local entries
remote	show remote entries
vlan	(Optional) L2vlan
<i>vlan_id</i>	(Optional) Vlan

Command Mode

- /exec

show ipv6 neighbor binding

```
show ipv6 neighbor binding [ { { vlan <vlanid> [ details ] } | { { address { <ipv6-addr> | all } } { interface
<intfid> vlan <vlanid> [ details ] }
```

Syntax Description

<i>intfid</i>	(Optional) [details]
show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	(Optional) Vlan number

Command Mode

- /exec

show ipv6 neighbor binding mac

```
show ipv6 neighbor binding mac <macaddr> { interface <intfid> vlan <vlanid> [ details ] |
```

Syntax Description

<i>intfid</i>	[details]
show	Show running system information
ipv6	Show the IPv6 features of the system
<i>macaddr</i>	48-bit hardware address
<i>vlanid</i>	Vlan number

Command Mode

- /exec

show ipv6 neighbor static

show ipv6 neighbor static [interface <interface>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
neighbor	Show IPv6 neighbor entry
static	Displays only static neighbors
interface	(Optional) Display IPv6 related interface information
<i>interface</i>	(Optional) Interface name to display

Command Mode

- /exec

show ipv6 pim df

```
show ipv6 pim df [ <rp-or-group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
df	Display Bidir Designated Forwarders
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
internal	(Optional) Commands for internal use

Command Mode

- /exec

show ipv6 pim fabric info

show ipv6 pim fabric info

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
fabric	Fabric functionality
info	show the fabric info

Command Mode

- /exec

show ipv6 pim fabric legacy-vlans

show ipv6 pim fabric legacy-vlans

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
fabric	Fabric functionality
legacy-vlans	Show legacy VLANs on this switch

Command Mode

- /exec

show ipv6 pim group-range

show ipv6 pim group-range [<group>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
group-range	Display the various group-ranges
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 pim interface

show ipv6 pim interface [<interface>] [brief] [vrf { <vrf-name> | <vrf-known-name> | all }] [internal]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
interface	Display PIM6 interface related information
<i>interface</i>	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 pim mdt

```
show ipv6 pim mdt [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 pim mdt bgp

show ipv6 pim mdt bgp [mdt-source <src-addr>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
bgp	Display BGP related information
mdt-source	(Optional) Source address of MVPN neighbor

Command Mode

- /exec

show ipv6 pim mdt history interval

show ipv6 pim mdt history interval <min> [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
history	Display MDT Data Join Send History
interval	Display in specified interval
<i>min</i>	Minutes
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 pim mdt receive

```
show ipv6 pim mdt receive [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
receive	Display Received Data Joins Information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information

Command Mode

- /exec

show ipv6 pim mdt send

```
show ipv6 pim mdt send [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
send	Display MDT Data Join Send Information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information

Command Mode

- /exec

show ipv6 pim neighbor

```
show ipv6 pim neighbor { [ <interface> ] | [ <address> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
detail | internal ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
neighbor	Display PIM6 neighbor related information
<i>interface</i>	(Optional) Display neighbors on single interface name
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 pim oif-list

show ipv6 pim oif-list <group> [<source>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
oif-list	Display interfaces for oif-list of PIM6 route
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 pim policy statistics jp

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

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	PIM6 global configuration commands
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
<i>interface</i>	Interface to display policy statistics for

Command Mode

- /exec

show ipv6 pim route

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

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
route	Display PIM6 specific route information
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 pim rp-hash

show ipv6 pim rp-hash <group> [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
rp-hash	Display RP hash value for group
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 pim rp

```
show ipv6 pim rp [ <group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
rp	Display PIM6 RP and BSR related information
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 pim statistics

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

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
statistics	Packet counter statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 pim vrf

show ipv6 pim vrf [{ <vrf-name> | <vrf-known-name> | all }] [detail | internal]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
vrf	Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs PIM6 is configured for
detail	(Optional) Display detailed information
internal	(Optional) VRF related internal information

Command Mode

- /exec

show ipv6 policy

```
show ipv6 policy [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
policy	Policy routing
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 prefix-list

```
show ipv6 prefix-list { { [ detail | summary ] [ <ipv6-pfl-name> | <ipv6-pfl-cfg-name> ] } | { { <ipv6-pfl-name>
| <ipv6-pfl-cfg-name> } seq <seq-no> } | { { <ipv6-pfl-name> | <ipv6-pfl-cfg-name> } <prefix> [ first-match
| longer ] } }
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
prefix-list	List IPv6 prefix lists
<i>ipv6-pfl-name</i>	(Optional) Name of prefix-list
<i>ipv6-pfl-cfg-name</i>	(Optional) Known prefix-list name
seq	Sequence number
<i>seq-no</i>	Sequence number
first-match	(Optional) Find the first match
longer	(Optional) Find the more specific entries

Command Mode

- /exec

show ipv6 process

```
show ipv6 process [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
process	Display IPv6 global information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs

Command Mode

- /exec

show ipv6 raguard statistics

show ipv6 raguard statistics [interface <intf-range>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
raguard	IPV6 raguard
statistics	RA packet drop count
interface	(Optional) Raguard enabled interfaces
<i>intf-range</i>	(Optional) interface

Command Mode

- /exec

show ipv6 rip policy statistics redistribute

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

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
isis	Intermediate-to-intermediate (ISIS)
src-rip	Routing Information Protocol (RIP)
ospfv3	Open Shortest Path First (OSPFv3)
lisp	LISP EID-prefixes
<i>tag</i>	Process tag
direct	Directly connected routes
static	Static routes
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 route

```
show ipv6 route [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ipv6-addr> | { <ipv6-prefix>
[ { longer-prefixes | shorter-prefixes } ] } ] [ { <ipv6-protocol> [ all ] } | { bind-label <bind-lbl> | next-hop
<next-hop> } | { interface <interface> } | { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary [
cached ] | summary-counter-consistency-check | { [ detail ] [ deleted ] } ] [ vrf { <vrf-name> |
<vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
route	Display IPv6 routing table
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
l3vm-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rpf	(Optional) Display RPF information for multicast source
longer-prefixes	(Optional) Display matching routes with mask-lengths >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
<i>ipv6-protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time

<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deleted	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display routes in full detail

Command Mode

- /exec

show ipv6 routers

```
show ipv6 routers [ all-routers ] [ [ interface <interface> ] | [ vrf { <vrf-name> | <vrf-known-name> | all } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
routers	Display neighbor router information
all-routers	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
interface	(Optional) Display neighbor router information on interface
<i>interface</i>	(Optional) Interface name to display
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ipv6 snooping capture-policy

show ipv6 snooping capture-policy [vlan <vlanid>] [interface <intf>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	(Optional) VLAN ID
<i>intf</i>	(Optional) interface

Command Mode

- /exec

show ipv6 snooping counters vlan

```
show ipv6 snooping counters { { vlan <vlanid> } | { interface <intf> } }
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	VLAN ID
<i>intf</i>	interface

Command Mode

- /exec

show ipv6 snooping events

show ipv6 snooping events

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system

Command Mode

- /exec

show ipv6 snooping features

show ipv6 snooping features

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system

Command Mode

- /exec

show ipv6 snooping messages

show ipv6 snooping messages [detailed <count>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>count</i>	(Optional) Number of messages to display

Command Mode

- /exec

show ipv6 snooping policies

```
show ipv6 snooping policies { [ vlan <vlanid> ] | [ interface <intf> ] }
```

Syntax Description

<code>show</code>	Show running system information
<code>ipv6</code>	Show the IPv6 features of the system
<code>vlanid</code>	(Optional) VLAN ID
<code>intf</code>	(Optional) interface

Command Mode

- /exec

show ipv6 snooping policy

show ipv6 snooping policy [<policy_name>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>policy_name</i>	(Optional) Policy name for feature snooping

Command Mode

- /exec

show ipv6 snooping pss database

show ipv6 snooping pss database

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system

Command Mode

- /exec

show ipv6 static-route

```
show ipv6 static-route [ <prefix> ] [ multicast ] [ track-table ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
static-route	Display configured static routes
track-table	(Optional) Display track object details associated with static routes
multicast	(Optional) Display configured static mroutes
all	(Optional) Display all VRFs
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ipv6 traffic

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

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
traffic	Display IPv6 traffic statistics
detail	(Optional) Display per protocol IPv6 statistics
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show isis

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ process | protocol ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
process	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
protocol	(Optional) Display IS-IS process information

Command Mode

- /exec

show isis adjacency

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] adjacency [ <interface> [ p2p-level-1-2 ] ] { [ system-id <sid> ] | [ detail ] | [ summary ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
adjacency	Display IS-IS adjacency information
<i>interface</i>	(Optional) IS-IS interface
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
detail	(Optional) Display IS-IS adjacency detail information
p2p-level-1-2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	(Optional) Display IS-IS adjacency summary information

Command Mode

- /exec

show isis csnp

```
show isis [ <isis-tag> ] csnp [ detail ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
csnp	Display IS-IS CSNP cache contents
detail	(Optional) Display detailed IS-IS information

Command Mode

- /exec

show isis database

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ <level> ] [ detail | advertise
| summary ] [ <lid> ] { [ zero-sequence ] | [ ip prefix <ip-prefix> ] | [ ipv6 prefix <ipv6-prefix> ] | [ router-id
<rid> ] | [ adjacency <adj-id> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Display IS-IS database information
<i>level</i>	(Optional) IS-IS level
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
detail	(Optional) Display detailed IS-IS information
advertise	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	(Optional) Display summary IS-IS information
zero-sequence	(Optional) LSP with zero sequence number
ip	(Optional) IP attribute filter
ipv6	(Optional) IPv6 attribute filter
prefix	(Optional) Prefix filter
<i>ip-prefix</i>	(Optional) Single exact match IP prefix filter
adjacency	(Optional) Adjacency filter
<i>adj-id</i>	(Optional) Single exact match adjacency filter
router-id	(Optional) Router-id filter
<i>rid</i>	(Optional) single exact match router-id filter

Command Mode

- /exec

show isis distribute-ls

```
show isis [ <isis-tag> ] distribute-ls { [ system-id <sid> ] | [ lsp-id <lid> ] } [ brief ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
distribute-ls	Link-state distribution database
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
lsp-id	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
brief	(Optional) Short output
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis dynamic-flooding

show isis [<isis-tag>] dynamic-flooding [tree-1 | tree-2] [detail]

Syntax Description

show	Show running system information
isis	IS-IS events
<i>isis-tag</i>	(Optional) Routing process tag
dynamic-flooding	Display IS-IS information for Dynamic Flooding
tree-1	(Optional) Display dynamic-flooding information for tree-1
tree-2	(Optional) Display dynamic-flooding information for tree-2
detail	(Optional) Detail to show the Dynamic Flooding area leader

Command Mode

- /exec

show isis interface

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface [ brief | <interface> ] [ level-1
| level-2 ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
brief	(Optional) Brief display of IS-IS interfaces
interface	Display IS-IS interface information
level-1	(Optional) Display Level-1 interfaces
level-2	(Optional) Display level-2 interfaces
<i>interface</i>	(Optional) IS-IS interface

Command Mode

- /exec

show isis ipv6 redistribute route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 redistribute route [ topology { [ base ] | mt-ipv6 } ] [ summary | <ipv6-addr> | <ipv6-prefix> [ longer-prefixes [ summary ] ] ] [ direct-mask ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
ipv6	Display IS-IS IPv6 information
topology	(Optional) Display routes for a topology
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
direct-mask	(Optional) Display routes with direct-mask set

Command Mode

- /exec

show isis ipv6 route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 route [ topology { [ base ] |
mt-ipv6 } ] [ summary | detail | private | <ipv6-addr> [ detail | private ] | <ipv6-prefix> [ detail | private |
longer-prefixes [ summary | detail | private ] ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv6	Display IS-IS IPv6 information
route	Display IS-IS route information
topology	(Optional) Display routes for a topology
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
detail	(Optional) Display detail route information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show isis ipv6 summary-address

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 summary-address [ <ipv6-addr>
| <ipv6-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv6	Display IS-IS IPv6 information
summary-address	Display IS-IS summary address
longer-prefixes	(Optional) Display exact match and more specific summary address

Command Mode

- /exec

show isis lslib

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] lslib [ cache [ nodes | links | prefixes
| node <s0> | link <s1> | prefix <s2> | links-of-node <s3> | prefixes-of-node <s4> ] [ detail ] ] [ vrf { <vrf-name>
| <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
lslib	LSLIB client information
cache	(Optional) Link-state cache in LSLIB
nodes	(Optional) All Node objects
links	(Optional) All Link objects
prefixes	(Optional) All Prefix objects
node	(Optional) One node object information
<i>s0</i>	(Optional) Node information
link	(Optional) One link object information
<i>s1</i>	(Optional) Link information
prefix	(Optional) One prefix object information
<i>s2</i>	(Optional) Prefix information
links-of-node	(Optional) All links information of a node
<i>s3</i>	(Optional) Node information
prefixes-of-node	(Optional) All prefixes information of a node
<i>s4</i>	(Optional) Node information
detail	(Optional) Detailed info
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis mesh-group

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] mesh-group [ <mesh-id> ] [ vrf {
<vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
mesh-group	Display IS-IS mesh-groups
<i>mesh-id</i>	(Optional) Display a single mesh-group

Command Mode

- /exec

show isis redistribute route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] redistribute route [ summary |
<ip-addr> | <ip-prefix> [ longer-prefixes [ summary ] ] ] [ direct-mask ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
ip	(Optional) Display IS-IS IPv4 information
<i>ip-addr</i>	(Optional) Display single IP redistribute route
<i>ip-prefix</i>	(Optional) Display single exact match IP redistribute route
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
direct-mask	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show isis route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] route [ summary | detail | private
| <ip-addr> [ detail | private ] | <ip-prefix> [ detail | private | longer-prefixes [ summary | detail | private ] ] ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ip	(Optional) Display IS-IS IPv4 information
route	Display IS-IS route information
<i>ip-addr</i>	(Optional) Display single IP route
<i>ip-prefix</i>	(Optional) Display single exact match IP route
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
detail	(Optional) Display detail route information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show isis rrm

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] rrm <interface> [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
rrm	Display IS-IS Retransmit-Routing-Message information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show isis segment-routing mapcache

```
show isis [ <isis-tag> ] segment-routing mapcache [ level-1 | level-2 ] [ <ipv4-prefix> ] [ sid <sr-sid> ] [ vrf
{ <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	show segment-routing information
mapcache	prefix-sid mappings
level-1	(Optional) show information for level 1 only
level-2	(Optional) show information for level 2 only
<i>ipv4-prefix</i>	(Optional) Display single exact match IP route
sid	(Optional) show information for this SR SID value
<i>sr-sid</i>	(Optional) SR SID value
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis segment-routing remote-srgb

show isis [<isis-tag>] segment-routing remote-srgb [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	show segment-routing information
remote-srgb	remote SR ranges
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis segment-routing sids

```
show isis [ <isis-tag> ] segment-routing sids [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	show segment-routing information
sids	sid database
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis segment-routing srv6

show isis [<isis-tag>] segment-routing srv6 [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	Segment-routing properties
srv6	Segment-routing for IPv6
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis segment-routing srv6 locators

show isis [<isis-tag>] segment-routing srv6 locators [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	Segment-routing properties
srv6	Segment-routing for IPv6
locators	IS-IS SRv6 Locator Table
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis spf-log

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

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
spf-log	Display IS-IS SPF information
detail	(Optional) Display detail ISIS SPF information

Command Mode

- /exec

show isis srm

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] srm <interface> [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
srm	Display IS-IS Send-Routing-Message information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show isis ssn

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ssn <interface> [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ssn	Display IS-IS Send-Sequence-Number information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show isis statistics

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

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Display IS-IS protocol statistics
<i>interface</i>	(Optional) IS-IS interface

Command Mode

- /exec

show isis summary-address

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] summary-address [ <ip-addr> |
<ip-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ip	(Optional) Display IS-IS IPv4 information
summary-address	Display IS-IS summary address
<i>ip-addr</i>	(Optional) Display single IP summary address
<i>ip-prefix</i>	(Optional) Display single exact match IP summary address
longer-prefixes	(Optional) Display exact match and more specific summary address

Command Mode

- /exec

show isis topology

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] topology [ base | mt-ipv6 ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
topology	Display IS-IS Topology information
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis traffic

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> ] [ interfaces ] [ mbuf-priority ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Display IS-IS traffic information
<i>interface</i>	(Optional) IS-IS interface
interfaces	(Optional) Display IS-IS traffic information for all interfaces
mbuf-priority	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show itd

```
show itd [ <svc-name> ] [ brief ]
```

Syntax Description

show	Show running system information
itd	ITD service
<i>svc-name</i>	(Optional) ITD service name
brief	(Optional) brief

Command Mode

- /exec

show itd session device-group

show itd session device-group [<name>]

Syntax Description

show	Show running system information
itd	ITD service
session	ITD service session
device-group	ITD service session device-group
<i>name</i>	(Optional) ITD Service session name

Command Mode

- /exec

show itd statistics

```
show itd { <svc-name> | all } [ { src { <src-ip> | <src-IPv6> } } | { dst { <dst-ip> | <dst-IPv6> } } ] statistics  
[ brief ]
```

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show itd vrf

show itd vrf [<name>]

Syntax Description

show	Show running system information
itd	ITD service
vrf	ITD service vrf
<i>name</i>	(Optional) ITD Service VRF name

Command Mode

- /exec

show itu channel

show itu channel { <itu_val> | all }

Syntax Description

show	Show running system information
itu	Show itu channel mapping
channel	Show itu channel mapping
<i>itu_val</i>	Enter itu channel
all	Show all itu channel mapping

Command Mode

- /exec



K Show Commands

- [show key chain, on page 1154](#)
- [show key chain mode decrypt, on page 1155](#)
- [show keystore, on page 1156](#)
- [show kim inconsistency, on page 1157](#)
- [show kubernetes containers, on page 1158](#)

show key chain

```
{ show key chain [ <keychain> ] [ detail ] }
```

Syntax Description

show	Show running system information
key	Display Key Information
chain	Display Keychain Information
<i>keychain</i>	(Optional) Keychain name
detail	(Optional) Detailed information

Command Mode

- /exec

show key chain mode decrypt

```
{ show key chain [ <keychain> ] mode decrypt }
```

Syntax Description

show	Show running system information
key	Display Key Information
chain	Display Keychain Information
<i>keychain</i>	(Optional) Keychain name
mode	Mode of display
decrypt	Display Decrypted Keystings

Command Mode

- /exec

show keystore

show keystore

Syntax Description

keystore	keystore stats
----------	----------------

Command Mode

- /exec

show kim inconsistency

show kim inconsistency

Syntax Description

show	Show running system information
kim	Display KIM information
inconsistency	KIM inconsistency

Command Mode

- /exec

show kubernetes containers

show kubernetes containers [brief | interface <if_name> | mgmt0]

Syntax Description

show	Show running system information
kubernetes	Show kubernetes
containers	containers
brief	(Optional) Show brief information
interface	(Optional) Interface name
<i>if_name</i>	(Optional) Physical interface
mgmt0	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec



L Show Commands

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- [show l2 multicast ftag](#), on page 1167
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show l2 mroute

```
show { l2 | fabricpath } mroute { [ vdc-omf ] { [ resolved ] } | [ vlan <vlanid> ] { { [ omf ] | [ flood ] | [ source
{ <srcaddr> | <v6srcaddr> | <macsrcaddr> } ] [ group { <groupaddr> | <v6groupaddr> | <macgroupaddr> }
] } [ resolved ] [ ftag <ftag-id> ] [ hex ] } }
```

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
mroute	Show multicast route database
vdc-omf	(Optional) Display vdc omf route
vlan	(Optional) Show information for a vlan
omf	(Optional) Show catch-all entry consisting of mroute ports
flood	(Optional) Display vlan flood route
ftag	(Optional) Show ftag number
source	(Optional) Show (s, g) source IP address
group	(Optional) Show group address
hex	(Optional) Display switch-ids in hex
<i>vlanid</i>	(Optional) Vlan value
<i>ftag-id</i>	(Optional) ftag id
<i>groupaddr</i>	(Optional) Group address
<i>macgroupaddr</i>	(Optional) MAC Group address
<i>srcaddr</i>	(Optional) Source address
<i>macsrcaddr</i>	(Optional) MAC source address
resolved	(Optional) Resolve switchid nexthops into the underlying interfaces

Command Mode

- /exec

show l2 multicast ftag

show { l2 | fabricpath } multicast ftag [<ftag-id>]

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
ftag	ftag number
<i>ftag-id</i>	(Optional) ftag id

Command Mode

- /exec

show l2 multicast trees

show { l2 | fabricpath } multicast trees [topo <topo-id>] [ftag <ftag-id>] [hex]

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
trees	Show the broadcast/multicast tree database
topo	(Optional) Show topo instance
ftag	(Optional) Show ftag number
hex	(Optional) Display switch-ids in hex
<i>topo-id</i>	(Optional) topo id
<i>ftag-id</i>	(Optional) ftag id

Command Mode

- /exec

show l2 route

```
show { l2 | fabricpath } route [ topology { <topo_val> [ switchid <switchid> ] | all } | switchid <switchid> ]
[ detail | hex ] +
```

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
route	Show FabricPath route information
topology	(Optional) topology
<i>topo_val</i>	(Optional) topology value
switchid	(Optional) switchid
<i>switchid</i>	(Optional) switchid value
all	(Optional) all topologies
detail	(Optional) detail
hex	(Optional) display in hex

Command Mode

- /exec

show l2rib clients

show l2rib clients [<client_id>]

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
clients	L2RIB Clients
<i>client_id</i>	(Optional) Enter Client ID

Command Mode

- /exec

show l2rib producers

show l2rib producers [{ topology | mac | mac-ip | ead | pl | imet | flood-list | startup-route | peerid | es | topo-child-attr } [static | local | bgp | vxlan | hmm | arp | ofa | lisp]] [detail]

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
producers	L2RIB Producers
detail	(Optional) Detailed information
topology	(Optional) Filter on Topology
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
peerid	(Optional) Filter on Peerid
es	(Optional) Filter on ES
static	(Optional) Static
local	(Optional) Local
bgp	(Optional) BGP
vxlan	(Optional) VXLAN
hmm	(Optional) HMM
arp	(Optional) ARP
ofa	(Optional) OFA
lisp	(Optional) lisp
topo-child-attr	(Optional) Filter on Topo child attr

Command Mode

- /exec

show l2rib registrations

```
show l2rib registrations [ client <client_id> [ <topo_id> { mac | mac-ip | ead | pl | imet | flood-list |
local-learn-signal | startup-route | topo | es | topo-child-attr } ] ]
```

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
registrations	L2RIB Registrations
client	(Optional) Global Registraion Entries
<i>client_id</i>	(Optional) Enter Client ID
<i>topo_id</i>	(Optional) Enter Topology ID
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
es	(Optional) Filter on Ethernet Segment ID
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
local-learn-signal	(Optional) Filter on Local Learn Signal
topo	(Optional) Filter on Topo Subtype
topo-child-attr	(Optional) Filter on Topo Chil Attr

Command Mode

- /exec

show l2route cmcast topology

show l2route cmcast { topology <topo-id> | all } [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
cmcast	CMCAST Route
topology	Filter on topology ID
<i>topo-id</i>	topology ID
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn ead

show l2route evpn ead { all | es | evi } [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ead	EAD
all	Display all routes without filtering
es	Display only EAD ES routes
evi	Display only EAD EVI routes
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn ethernet-segment esi

show l2route evpn ethernet-segment { esi <esi-id> | all } [bgp | vxlan] [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ethernet-segment	Ethernet Segment ID
esi	ESI Value
<i>esi-id</i>	ESI ID
all	Display all entries without filtering
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn fl all

show l2route evpn fl all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
fl	Flood List
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn fl evi

show l2route evpn fl evi <vpn-id> [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
fl	Flood List
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn imet all

show l2route evpn imet all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
imet	IMET Route
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn imet evi

show l2route evpn imet evi { <vpn-id> | vni <vnid> } [bgp | vxlan] [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
imet	IMET Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
vni	Filter on VNI
<i>vnid</i>	VNI
bgp	(Optional) Filter on BGP producer (remote imet routes)
vxlan	(Optional) Filter on VXLAN producer (local imet routes)
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn mac-ip all

show l2route evpn mac-ip all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac-ip	MAC-IP Route
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn mac-ip evi

```
show l2route evpn mac-ip evi <vpn-id> [ arp | bgp | hmm ] [ mac <mac_addr> ] [ host-ip { <ipv4_host> | <ipv6_host> } ] [ next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> } ] [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac-ip	MAC-IP Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
arp	(Optional) Filter on ARP producer
bgp	(Optional) Filter on BGP producer
hmm	(Optional) Filter on HMM producer
mac	(Optional) Filter on MAC address
<i>mac_addr</i>	(Optional) 48-bit MAC address value
host-ip	(Optional) Filter on Host IP address
<i>ipv4_host</i>	(Optional) IPv4 address
next-hop	(Optional) Filter on Next-Hop IP or Interface Name
<i>ipv4_addr</i>	(Optional) IPv4 address of Next Hop
<i>if-hdl</i>	(Optional) Interface index of Next Hop
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn mac all

show l2route evpn mac all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac	MAC Route
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn mac evi

```
show l2route evpn mac evi { <vpn-id> | vni <vnid> } [ static | local | bgp | vxlan | lisp ] [ mac <mac_addr> ]
[ next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> } ] [ esi <esi-id> ] [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac	MAC Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
vni	Filter on VNI
<i>vnid</i>	VNI
static	(Optional) Filter on Static producer
local	(Optional) Filter on Local producer
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
lisp	(Optional) Filter on LISP producer
mac	(Optional) Filter on MAC address
esi	(Optional) Filter on ESI value
<i>mac_addr</i>	(Optional) Enter 48-bit MAC address value
next-hop	(Optional) Filter on Next-Hop IP or Interface Name
<i>ipv4_addr</i>	(Optional) IPv4 address of Next Hop
<i>if-hdl</i>	(Optional) Interface index of Next Hop
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn path-list all

```
show l2route evpn path-list { all | esi <esi-id> } [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
path-list	Path-List
all	Display all routes without filtering
esi	ESI Value
<i>esi-id</i>	ESI ID
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn startup-route all

show l2route evpn startup-route all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
startup-route	Startup Route
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn startup-route evi

show l2route evpn startup-route evi <vpn-id> [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
startup-route	Startup Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn topo-child-attr all

show l2route evpn topo-child-attr all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
topo-child-attr	Topo Child Attr
all	Display all topo-child-attr entries
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn topo-child-attr evi

show l2route evpn topo-child-attr evi <vpn-id> [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
topo-child-attr	Topo Child Attr
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route fhs topology

show l2route fhs { topology <topo-id> | all } [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
fhs	FHS(First Hop Security) Route
topology	Filter on topology ID
<i>topo-id</i>	topology ID
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route fl topology

```
show l2route fl { topology <topo-id> | all } [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
fl	Flood List
all	Display all routes without filtering
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route mac topology

```
show l2route { mac-ip } { topology <topo-id> | all } [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
mac-ip	MAC-IP Route
all	Display all routes without filtering
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route peerid

show l2route peerid [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
peerid	Display Peer ID DB
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route spmsi topology

show l2route spmsi { topology <topo-id> | all } [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
spmsi	SPMSI Route
topology	Filter on topology ID
<i>topo-id</i>	topology ID
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route summary

show l2route summary

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
summary	Summary

Command Mode

- /exec

show l2route topology

show l2route topology [<topo_id>] [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
topology	Display topology IDs
<i>topo_id</i>	(Optional) Enter Topology ID
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route topology

```
show l2route { mac | dataplane mac [ local | remote ] } { topology <topo-id> | all } [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
dataplane	dataplane
mac	MAC Route
all	Display all routes without filtering
local	(Optional) dataplane learnt local routes
remote	(Optional) dataplane learnt remote routes
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information

Command Mode

- /exec

show lacp counters

show lacp counters [interface <if0>] [detail]

Syntax Description

show	Show running system information
lacp	LACP protocol
counters	LACP counters
interface	(Optional) Specify a port-channel
detail	(Optional) For more counters
<i>if0</i>	(Optional)

Command Mode

- /exec

show lacp interface

show lacp interface [<if0>]

Syntax Description

show	Show running system information
lacp	LACP protocol
interface	Specify a interface
<i>if0</i>	(Optional)

Command Mode

- /exec

show lacp issu-impact

show lacp issu-impact

Syntax Description

show	Show running system information
lacp	Show LACP information
issu-impact	Check for ISSU readiness

Command Mode

- /exec

show lacp neighbor

show lacp neighbor [interface <if0>]

Syntax Description

show	Show running system information
lacp	LACP protocol
neighbor	LACP interface neighbor
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)

Command Mode

- /exec

show lacp port-channel

show lacp port-channel [interface <if0>]

Syntax Description

show	Show running system information
lacp	LACP protocol
port-channel	LACP port-channels
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)

Command Mode

- /exec

show lacp system-identifier

show lacp system-identifier

Syntax Description

show	Show running system information
lacp	LACP protocol
system-identifier	Show system-identifier information

Command Mode

- /exec

show lcnd dot1x address

show lcnd dot1x address { <macaddr> | all }

Syntax Description

show	Show running system information
lcnd	LCND information
dot1x	Dot1x information
address	Address in lcnd auth_db
<i>macaddr</i>	MAC address
all	Display all addresses in lcnd auth_db

Command Mode

- /exec

show lcnd dot1x port

show lcnd dot1x port <portnum>

Syntax Description

show	Show running system information
lcnd	LCND information
dot1x	Dot1x information
port	Port number
<i>portnum</i>	Port number

Command Mode

- /exec

show lcmd stats interface

show lcmd stats interface <interface>

Syntax Description

show	Show running system information
lcmd	lcmd
stats	statistics
interface	get interface related stats at lcmd level
<i>interface</i>	Interface name to display

Command Mode

- /exec

show ldap-search-map

show ldap-search-map

Syntax Description

show	Show running system information
ldap-search-map	Show LDAP configuration information

Command Mode

- /exec

show ldap-server

show ldap-server

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information

Command Mode

- /exec

show ldap-server groups

show ldap-server groups

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information
groups	Show LDAP server group configuration information

Command Mode

- /exec

show ldap-server statistics

show ldap-server statistics <host0>

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information
statistics	Show LDAP statistics
<i>host0</i>	DNS name or IP address

Command Mode

- /exec

show license

show license

Syntax Description

show	Show running system information
license	show the contents of all the license files

Command Mode

- /exec

show license all

show license all

Syntax Description

show	Show running system information
license	Show the contents of all the license files
all	All Smart license agent information

Command Mode

- /exec

show license certs

show license certs

Syntax Description

show	Show running system information
license	Show the contents of all the license files
certs	Smart License certificates

Command Mode

- /exec

show license data conversion

show license data conversion

Syntax Description

show	Show running system information
license	Show the contents of all the license files
data	Show data for device led conversions
conversion	Smart license conversion related commands

Command Mode

- /exec

show license eventlog

show license eventlog

Syntax Description

show	Show running system information
license	Show the contents of all the license files
eventlog	Event log

Command Mode

- /exec

show license history message

show license history message

Syntax Description

show	Show running system information
license	Show the contents of all the license files
history	Show license history information
message	Show license messaging history information

Command Mode

- /exec

show license host-id

show license host-id

Syntax Description

show	Show running system information
license	Show the contents of all the license files
host-id	Show unique id for this host for licensing

Command Mode

- /exec

show license rum id all

show license rum id all

Syntax Description

show	Show running system information
license	License related command
rum	Smart license RUM report related commands
id	Specify a single RUM report ID
all	All RUM report IDs

Command Mode

- /exec

show license status

show license status

Syntax Description

show	Show running system information
license	Show the contents of all the license files
status	Smart license agent status

Command Mode

- /exec

show license summary

show license summary

Syntax Description

show	Show running system information
license	Show the contents of all the license files
summary	Smart license agent summary

Command Mode

- /exec

show license tech support

show license tech support

Syntax Description

show	Show running system information
license	Show the contents of all the license files
tech	Gather information for troubleshooting
support	Gather information for troubleshooting

Command Mode

- /exec

show license udi

show license udi

Syntax Description

show	Show running system information
license	Show the contents of all the license files
udi	device udi

Command Mode

- /exec

show license usage

show license usage [{ detail | <license-feature> }]

Syntax Description

show	Show running system information
license	show the contents of all the license files
usage	Show license usage table
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>license-feature</i>	(Optional) Show usage of this license package

Command Mode

- /exec

show license version

show license version

Syntax Description

show	Show running system information
license	Show the contents of all the license files
version	Smart License version

Command Mode

- /exec

show line

show line

Syntax Description

show	Show running system information
line	Show the line configuration

Command Mode

- /exec

show line console

show line console

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations

Command Mode

- /exec

show line console connected

show line console connected

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
connected	Show whether the line is currently connected physically

Command Mode

- /exec

show line console user-input-string

show line console user-input-string

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
user-input-string	Show user-input init string

Command Mode

- /exec

show lisp ddt

```
show lisp ddt [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp ddt queue

```
show lisp ddt queue [ [ instance-id <iid> ] { <eid> | <eid6> } ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
queue	Display LISP-DDT Map-Request queue in Map-Resolver
instance-id	(Optional) Show instance-ID summary display
<i>iid</i>	(Optional) Instance-ID for EID-prefix
<i>eid</i>	(Optional) IPv4 EID address
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp ddt referral-cache

```
{ show lisp ddt referral-cache [ [ instance-id <iid> ] { <eid> | <eid6> } ] [ vrf { <vrf-name> | <vrf-known-name> } ] } | { show lisp ddt referral-cache { ms-ack | ms-referral | node-referral | ms-not-registered | delegation-hole | not-authoritative } [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
referral-cache	Display LISP-DDT referral cache
instance-id	(Optional) Show instance-ID summary display
<i>iid</i>	(Optional) Instance-ID for EID-prefix
<i>eid</i>	(Optional) IPv4 EID address
ms-ack	Referral cache entries to map-servers
ms-referral	Referral cache entries from parent of map-servers
node-referral	Referral cache entries from parent of DDT-nodes
ms-not-registered	Referral cache entries from map-servers
delegation-hole	Referral cache entries from any DDT-node
not-authoritative	Referral cache entries from any DDT-node
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp dynamic-eid

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

Syntax Description

show	Show running system information
lisp	LISP show commands
dynamic-eid	Display dynamic-EIDs configured and discovered
summary	One-line summary display of discovered dynamic-EIDs
<i>dyn-eid-name</i>	(Optional) Display a single dynamic-EID
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
detail	(Optional) Display discovered dynamic-EIDs

Command Mode

- /exec

show lisp elp

```
show lisp elp [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
elp	Display LISP Explicit Locator Paths configured
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp negative-prefix

show lisp negative-prefix { <eid> | <eid6> } [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
lisp	LISP show commands
negative-prefix	Compute negative-prefix for hole in EID space
<i>eid</i>	IPv4 EID address
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp proxy-itr

```
show lisp proxy-itr [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
proxy-itr	Display discovered proxy-ITRs (PITRs)
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp site

```
{ show lisp site [ { { <eid> | <eid6> } [ instance-id <iid> ] } | { { <eid-prefix> | <eid-prefix6> } [ instance-id <iid> ] } | <site-name> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>eid</i>	(Optional) Display mapping for IP destination EID
<i>eid-prefix</i>	(Optional) Display exact match for IP EID-prefix entry
instance-id	(Optional) Instance EID-prefix registered in
<i>iid</i>	(Optional) Instance-ID value
<i>site-name</i>	(Optional) Display a single site
detail	(Optional) Display allowed registered locator sources

Command Mode

- /exec

show lisp site instance-id

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

Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
instance-id	Show instance-ID summary display
<i>iid</i>	(Optional) Show detail for entries of a single Instance-ID
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lldp all

show lldp all

Syntax Description

show	Show running system information
lldp	Show lldp Protocol information
all	Show all interfaces in lldp database

Command Mode

- /exec

show lldp dcbx interface

show lldp dcbx interface <if_in>

Syntax Description

show	Show running system information
lldp	Show information about lldp
dcbx	Show dcbx information
interface	Show lldp interface information
<i>if_in</i>	Enter interface

Command Mode

- /exec

show lldp entry

show lldp entry [<sys-name>]

Syntax Description

show	Show running system information
lldp	Show information about lldp
entry	Show lldp entry information
<i>sys-name</i>	(Optional) WORD Peer's System name

Command Mode

- /exec

show lldp interface

show lldp interface <if0>

Syntax Description

show	Show running system information
lldp	Show information about lldp
interface	Show lldp interface information
<i>if0</i>	Enter interface

Command Mode

- /exec

show lldp neighbors

show lldp neighbors [interface <if>]

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
<i>if</i>	(Optional) Enter interface

Command Mode

- /exec

show lldp neighbors detail

show lldp neighbors [interface <if>] detail

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
<i>if</i>	(Optional) Enter interface
detail	Show lldp neighbor detail information

Command Mode

- /exec

show lldp neighbors system-detail

show lldp neighbors [interface <if>] system-detail

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
<i>if</i>	(Optional) Enter interface
system-detail	Show lldp neighbor system detail information

Command Mode

- /exec

show lldp poe interface

```
show lldp poe { interface <if0> }
```

Syntax Description

show	Show running system information
lldp	Show lldp protocol information
poe	Power over Ethernet
interface	Show lldp interface information
<i>if0</i>	Interface name

Command Mode

- /exec

show lldp portid-subtype

show lldp portid-subtype

Syntax Description

show	Show running system information
lldp	Show information about lldp
portid-subtype	Show lldp portid-subtype

Command Mode

- /exec

show lldp timers

show lldp timers

Syntax Description

show	Show running system information
lldp	Show information about lldp
timers	Show lldp timers

Command Mode

- /exec

show lldp tlv-select

show lldp tlv-select

Syntax Description

show	Show running system information
lldp	Show information about lldp
tlv-select	Show lldp tlv-select

Command Mode

- /exec

show lldp traffic

show lldp traffic

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters

Command Mode

- /exec

show lldp traffic interface

show lldp traffic interface <if>

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
interface	Show lldp traffic counters on an interface
<i>if</i>	Enter interface

Command Mode

- /exec

show lldp traffic interface all

show lldp traffic interface all

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
interface	Show lldp traffic counters on an interface
all	Get status for all interfaces

Command Mode

- /exec

show locator-led status

show locator-led status

Syntax Description

show	Show running system information
locator-led	blink locator led on device
status	status

Command Mode

- /exec

show logging

show logging

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile

Command Mode

- /exec

show logging console

show logging console

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
console	Show console logging configuration

Command Mode

- /exec

show logging dropcount

show logging dropcount

Syntax Description

show	logging dropcount
logging	Show logging drop count of syslogs
dropcount	Show logging dropcount

Command Mode

- /exec

show logging history

show logging history

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
history	Show logging history configuration

Command Mode

- /exec

show logging info

show logging info

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
info	Show logging configuration

Command Mode

- /exec

show logging last

show logging last <i0>

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
last	Show last few lines of logfile
<i>i0</i>	Enter number of lines to display

Command Mode

- /exec

show logging level

show logging level

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level

show logging level [{ auth | authpriv | cron | daemon | ftp | kernel | local0 | local1 | local2 | local3 | local4 | local5 | local6 | local7 | lpr | mail | news | syslog | user | uucp }]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
auth	(Optional) Show Authorization System logging configuration
authpriv	(Optional) Show Authorization (Private) logging configuration
cron	(Optional) Show Cron/at facility logging configuration
daemon	(Optional) Show System daemons logging configuration
ftp	(Optional) Show File Transfer System logging configuration
kernel	(Optional) Show kernel logging configuration
local0	(Optional) Show Local use daemons logging configuration
local1	(Optional) Show Local use daemons logging configuration
local2	(Optional) Show Local use daemons logging configuration
local3	(Optional) Show Local use daemons logging configuration
local4	(Optional) Show Local use daemons logging configuration
local5	(Optional) Show Local use daemons logging configuration
local6	(Optional) Show Local use daemons logging configuration
local7	(Optional) Show Local use daemons logging configuration
lpr	(Optional) Show Line Printer System logging configuration
mail	(Optional) Show Mail System logging configuration
news	(Optional) Show USENET news logging configuration
syslog	(Optional) Show Internal Syslog Messages logging configuration
user	(Optional) Show user process logging configuration
uucp	(Optional) Show Unix-to-Unix copy system logging configuration

Command Mode

- /exec

show logging level aaa

show logging level aaa

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aaa	Show aaa logging configuration

Command Mode

- /exec

show logging level acl

show logging level acl

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
acl	Show acl logging configuration

Command Mode

- /exec

show logging level aclmgr

show logging level aclmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aclmgr	Show aclmgr logging configuration

Command Mode

- /exec

show logging level adbm

show logging level adbm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
adbm	Show adbm logging configuration

Command Mode

- /exec

show logging level adjmgr

show logging level adjmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
adjmgr	Show adjmgr logging configuration

Command Mode

- /exec

show logging level amt

show logging level amt

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
amt	Show amt logging configuration

Command Mode

- /exec

show logging level app-hosting

show logging level app-hosting

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
app-hosting	App Hosting

Command Mode

- /exec

show logging level arp

show logging level arp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
arp	Show arp logging configuration

Command Mode

- /exec

show logging level ascii-cfg

show logging level ascii-cfg

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ascii-cfg	Show ascii-cfg logging configuration

Command Mode

- /exec

show logging level assoc_mgr

show logging level assoc_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
assoc_mgr	Show Association Manager Logging Configuration

Command Mode

- /exec

show logging level backup

show logging level { backup | flexlink }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
backup	Show Switchport Backup logging level
flexlink	Show Switchport Backup logging level

Command Mode

- /exec

show logging level bfd

show logging level bfd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bfd	Show bfd logging configuration

Command Mode

- /exec

show logging level bgp

show logging level bgp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bgp	Show BGP logging configuration

Command Mode

- /exec

show logging level bloggerd

show logging level bloggerd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bloggerd	Show BloggerD logging configuration

Command Mode

- /exec

show logging level bootvar

show logging level bootvar

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bootvar	Show bootvar logging configuration

Command Mode

- /exec

show logging level callhome

show logging level callhome

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
callhome	Show callhome logging configuration

Command Mode

- /exec

show logging level capability

show logging level capability

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
capability	Show capability logging configuration

Command Mode

- /exec

show logging level cdp

show logging level cdp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cdp	Show CDP logging configuration

Command Mode

- /exec

show logging level cert_enroll

show logging level cert_enroll

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cert_enroll	Show Cert-enroll logging configuration

Command Mode

- /exec

show logging level cfs

show logging level cfs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level clis

show logging level clis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clis	Show CLIS logging configuration

Command Mode

- /exec

show logging level clk_mgr

show logging level clk_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clk_mgr	Show clock manager logging configuration

Command Mode

- /exec

show logging level confcheck

show logging level confcheck

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
confcheck	Show confcheck logging configuration

Command Mode

- /exec

show logging level copp

show logging level copp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
copp	Show copp logging configuration

Command Mode

- /exec

show logging level core-dmon

show logging level core-dmon

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
core-dmon	Show core daemon logging configuration

Command Mode

- /exec

show logging level cts

show logging level cts

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cts	Show cts logging configuration

Command Mode

- /exec

show logging level device-alias

show logging level device-alias

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
device-alias	Show device-alias logging configuration

Command Mode

- /exec

show logging level dhclient

show logging level dhclient

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dhclient	Show syslog level for dhcp client

Command Mode

- /exec

show logging level dhcp_snoop

show logging level dhcp_snoop

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dhcp_snoop	Show DHCP snoop logging configuration

Command Mode

- /exec

show logging level diagnostic diag_port_lb

show logging level diagnostic diag_port_lb

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diag_port_lb	Show diagmgr logging configuration

Command Mode

- /exec

show logging level diagnostic diagclient

show logging level diagnostic diagclient

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diagclient	Show diagclient logging configuration

Command Mode

- /exec

show logging level diagnostic diagmgr

show logging level diagnostic diagmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diagmgr	Show diagmgr logging configuration

Command Mode

- /exec

show logging level dot1x

show logging level dot1x

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dot1x	Show dot1x logging configuration

Command Mode

- /exec

show logging level dpvm

show logging level dpvm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level ecp

show logging level ecp

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ecp	Set syslog filter level for ECP

Command Mode

- /exec

show logging level eigrp

show logging level eigrp [<eigrp-ptag>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
eigrp	Show EIGRP logging configuration
<i>eigrp-ptag</i>	(Optional) Process tag

Command Mode

- /exec

show logging level eltm

show logging level eltm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
eltm	Show eltm logging configuration

Command Mode

- /exec

show logging level epbr

show logging level epbr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
epbr	Show epbr logging configuration

Command Mode

- /exec

show logging level epp

show logging level epp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
epp	Show epp logging configuration

Command Mode

- /exec

show logging level ethdstats

show logging level ethdstats

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ethdstats	Show delta statistics logging configuration

Command Mode

- /exec

show logging level ethpm

show logging level ethpm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ethpm	Show ethpm logging configuration

Command Mode

- /exec

show logging level evb

show logging level evb

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
evb	Set syslog filter level for EVB

Command Mode

- /exec

show logging level evmc

show logging level evmc

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmc	Show level for evmc syslog messages

Command Mode

- /exec

show logging level evmed

show logging level evmed

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmed	Show level for evmed syslog messages

Command Mode

- /exec

show logging level evms

show logging level evms

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evms	Show level for evms syslog messages

Command Mode

- /exec

show logging level fabric forwarding

show logging level fabric forwarding

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)

Command Mode

- /exec

show logging level fabricpath isis

show logging level fabricpath isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fabricpath	Show fabricpath logging configuration
isis	Show ISIS logging configuration

Command Mode

- /exec

show logging level fabricpath switch-id

show logging level fabricpath switch-id

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fabricpath	fabricpath information
switch-id	show fabricpath switch-id logging configuration

Command Mode

- /exec

show logging level fc2d

show logging level fc2d

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level fcdomain

show logging level fcdomain

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcdomain	Show fcdomain logging configuration

Command Mode

- /exec

show logging level fcns

show logging level fcns

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcns	Show fcns logging configuration

Command Mode

- /exec

show logging level fcoe_mgr

show logging level fcoe_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcoe_mgr	Show fcoe_mgr logging configuration

Command Mode

- /exec

show logging level fcs

show logging level fcs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level fdmi

show logging level fdmi

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fdmi	Show fdmi logging configuration

Command Mode

- /exec

show logging level feature-mgr

show logging level feature-mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
feature-mgr	Show feature manager logging configuration

Command Mode

- /exec

show logging level flogi

show logging level flogi

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
flogi	Show flogi logging configuration

Command Mode

- /exec

show logging level fs-daemon

show logging level fs-daemon

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fs-daemon	Show fs-daemon logging configuration

Command Mode

- /exec

show logging level fspf

show logging level fspf

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level fsync_mgr

show logging level fsync_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fsync_mgr	Frequency Synchronization Manager

Command Mode

- /exec

show logging level gpixm

show logging level gpixm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
gpixm	Show global-pixm logging configuration

Command Mode

- /exec

show logging level hardware-telemetry

show logging level hardware-telemetry

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hardware-telemetry	Show hardware-telemetry logging configuration

Command Mode

- /exec

show logging level hsrp

show logging level hsrp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hsrp	Show HSRP logging configuration

Command Mode

- /exec

show logging level icam

show logging level icam

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
icam	Show icam logging configuration

Command Mode

- /exec

show logging level igmp

show logging level [ip] igmp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
igmp	Show igmp logging configuration

Command Mode

- /exec

show logging level im

show logging level im

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
im	Show im logging configuration

Command Mode

- /exec

show logging level imp

show logging level imp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
imp	Show imp logging configuration

Command Mode

- /exec

show logging level interface-vlan

show logging level interface-vlan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
interface-vlan	Show interface-vlan logging configuration

Command Mode

- /exec

show logging level ip sla responder

show logging level ip sla responder

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
responder	Show sla-responder logging configuration

Command Mode

- /exec

show logging level ip sla sender

show logging level ip sla sender

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
sender	Show sla-sender logging configuration

Command Mode

- /exec

show logging level ip sla twamp-server

show logging level ip sla twamp-server

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
twamp-server	Show sla-twamp-server logging configuration

Command Mode

- /exec

show logging level ipconf

show logging level ipconf [ipv6]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipconf	Show ipconf logging configuration
ipv6	(Optional) Show ipv6 Conf logging configuration

Command Mode

- /exec

show logging level ipfib

show logging level ipfib

Syntax Description

show	show
logging	logging
level	level
ipfib	ipfib

Command Mode

- /exec

show logging level ipqos

show logging level ipqos

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level ipv6 icmp

show logging level ipv6 icmp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Configure IPv6 features
icmp	Show icmpv6 logging configuration

Command Mode

- /exec

show logging level ipv6 mfwd

show logging level ipv6 mfwd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Display IPv6 information
mfwd	Show MCASTFWD v6 logging configuration

Command Mode

- /exec

show logging level ipv6 pim

show logging level ipv6 pim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Display IPv6 information
pim	Show pim6 logging configuration

Command Mode

- /exec

show logging level iscm

show logging level iscm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
iscm	Show iscm logging configuration

Command Mode

- /exec

show logging level iscm

show logging level iscm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
iscm	Show iscm logging configuration

Command Mode

- /exec

show logging level isis

show logging level isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
isis	Show ISIS logging configuration

Command Mode

- /exec

show logging level l2fm

show logging level l2fm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l2fm	Show l2fm logging configuration

Command Mode

- /exec

show logging level l3vm

show logging level l3vm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l3vm	Show L3VM logging configuration

Command Mode

- /exec

show logging level lacp

show logging level lacp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lacp	Show lacp logging configuration

Command Mode

- /exec

show logging level ldap

show logging level ldap

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ldap	Show ldap logging configuration

Command Mode

- /exec

show logging level lim

show logging level lim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lim	Show lim logging configuration

Command Mode

- /exec

show logging level lisp

show logging level lisp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lisp	Show lisp logging configuration

Command Mode

- /exec

show logging level lldp

show logging level lldp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lldp	Show LLDP logging configuration

Command Mode

- /exec

show logging level m2rib

show logging level m2rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
m2rib	Show M2RIB logging configuration

Command Mode

- /exec

show logging level mfdm

show logging level mfdm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mfdm	Show mfdm logging configuration

Command Mode

- /exec

show logging level mfwd

show logging level { mfwd | mcastfwd }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mfwd	Show MCASTFWD logging configuration
mcastfwd	Show MCASTFWD logging configuration

Command Mode

- /exec

show logging level mld

show logging level [ipv6] mld

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	(Optional) Display IPv6 information
mld	Show MLD logging configuration

Command Mode

- /exec

show logging level mmode

show logging level mmode

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mmode	Show maintenance mode logging configuration

Command Mode

- /exec

show logging level module

show logging level module

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
module	Show module(linecard) manager logging configuration

Command Mode

- /exec

show logging level monitor

show logging level monitor

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
monitor	Show monitor logging configuration

Command Mode

- /exec

show logging level mpls manager

show logging level mpls manager

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
manager	Show MPLS manager logging configuration

Command Mode

- /exec

show logging level mpls switching

show logging level mpls switching

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
switching	Show mpls switching logging configuration

Command Mode

- /exec

show logging level msdp

show logging level [ip] msdp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
msdp	Show msdp logging configuration

Command Mode

- /exec

show logging level mvsh

show logging level mvsh

Syntax Description

show	Show commands
logging	Show message logging facilities
level	Show message logging facilities
mvsh	Show level for mvsh syslog messages

Command Mode

- /exec

show logging level nat

show logging level nat

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nat	Show NAT logging configurarion

Command Mode

- /exec

show logging level nbm

show logging level nbm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nbm	Show Non Blocking Multicast logging configuration

Command Mode

- /exec

show logging level netstack

show logging level netstack

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
netstack	Show netstack logging configuration

Command Mode

- /exec

show logging level nfm

show logging level nfm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nfm	Show NFM logging configuration

Command Mode

- /exec

show logging level ngmvpn

show logging level ngmvpn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ngmvpn	Show ngmvpn logging configuration

Command Mode

- /exec

show logging level ngoam

show logging level ngoam

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ngoam	Show ngoam logging level

Command Mode

- /exec

show logging level npv

show logging level npv

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
npv	Show npv logging configuration

Command Mode

- /exec

show logging level ntp

show logging level ntp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ntp	Show NTP logging settings.

Command Mode

- /exec

show logging level nve

show logging level nve

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nve	Show NVE logging configuration

Command Mode

- /exec

show logging level nxsdk

show logging level nxsdk

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nxsdk	NXOS SDK

Command Mode

- /exec

show logging level ofm

show logging level ofm

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ofm	Show ofm logging settings

Command Mode

- /exec

show logging level ospf

show logging level ospf

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospf	Show OSPF logging configuration

Command Mode

- /exec

show logging level ospfv3

show logging level ospfv3

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospfv3	Display OSPFv3 status and configuration

Command Mode

- /exec

show logging level otv isis

show logging level otv isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
otv	Show OTV ISIS logging configuration
isis	Show OTV ISIS logging configuration

Command Mode

- /exec

show logging level pfstat

show logging level pfstat

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pfstat	Show pfstat logging configuration

Command Mode

- /exec

show logging level pim

show logging level [ip] pim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
pim	Show pim logging configuration

Command Mode

- /exec

show logging level pixm

show logging level pixm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pixm	Show vdc-local-pixm logging configuration

Command Mode

- /exec

show logging level pktmgr

show logging level pktmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pktmgr	Show pktmgr logging configuration

Command Mode

- /exec

show logging level platform

show logging level platform

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
platform	Show platform logging configuration

Command Mode

- /exec

show logging level plcmgr

show logging level plcmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level pltfm_config

show logging level pltfm_config

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pltfm_config	Show pltfm_config logging configuration

Command Mode

- /exec

show logging level pltm

show logging level pltm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pltm	Show pie logging configuration

Command Mode

- /exec

show logging level plugin

show logging level plugin

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
plugin	Show plugin logging configuration

Command Mode

- /exec

show logging level poed

show logging level poed

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
poed	Show PoE Daemon Logging Configuration

Command Mode

- /exec

show logging level port-channel

show logging level port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-channel	Show port-channel logging configuration

Command Mode

- /exec

show logging level port-profile

show logging level port-profile

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-profile	Show syslog level for port-profile

Command Mode

- /exec

show logging level port-resources

show logging level port-resources

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-resources	Show port-resources logging configuration

Command Mode

- /exec

show logging level port-security

show logging level port-security

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-security	Show port-security logging configuration

Command Mode

- /exec

show logging level port

show logging level port

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port	Show port logging configuration

Command Mode

- /exec

show logging level private-vlan

show logging level private-vlan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
private-vlan	Show interface-vlan logging configuration

Command Mode

- /exec

show logging level ptp

show logging level ptp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ptp	Show ptp logging configuration

Command Mode

- /exec

show logging level radius

show logging level radius

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
radius	Show radius logging configuration

Command Mode

- /exec

show logging level rd1

show logging level rd1

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level res_mgr

show logging level res_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
res_mgr	Show res_mgr logging configuration

Command Mode

- /exec

show logging level rib

show logging level rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rib	Show rib logging configuration

Command Mode

- /exec

show logging level rip

show logging level rip

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rip	Show RIP logging configuration

Command Mode

- /exec

show logging level routing ipv6 multicast

show logging level routing ipv6 multicast

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information

Command Mode

- /exec

show logging level routing multicast

show logging level routing [ip | ipv4] multicast

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information

Command Mode

- /exec

show logging level rpm

show logging level rpm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rpm	Show RPM logging configuration

Command Mode

- /exec

show logging level rscn

show logging level rscn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rscn	Show RSCN logging configuration

Command Mode

- /exec

show logging level sal

show logging level sal

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sal	Show SAL logging configuration

Command Mode

- /exec

show logging level san-port-channel

show logging level san-port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

Command Mode

- /exec

show logging level san-port-channel

show logging level san-port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

Command Mode

- /exec

show logging level scheduler

show logging level scheduler

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
scheduler	Show scheduler logging configuration

Command Mode

- /exec

show logging level scsi-target

show logging level scsi-target

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
scsi-target	Show scsi-target logging configuration

Command Mode

- /exec

show logging level security

show logging level security

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
security	Show security logging configuration

Command Mode

- /exec

show logging level segment-routing

show logging level segment-routing

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
segment-routing	Show SR logging configuration

Command Mode

- /exec

show logging level session-mgr

show logging level session-mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
session-mgr	Show session-mgr logging configurarion

Command Mode

- /exec

show logging level sflow

show logging level sflow

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sflow	Show sFlow logging configuration

Command Mode

- /exec

show logging level smm

show logging level smm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
smm	Show Shared Memory Manager logging configuration

Command Mode

- /exec

show logging level snmpd

show logging level snmpd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
snmpd	Show SNMP logging configuration

Command Mode

- /exec

show logging level snmpmib_proc

show logging level snmpmib_proc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
snmpmib_proc	Show snmpmib_proc logging configuration

Command Mode

- /exec

show logging level spanning-tree

show logging level spanning-tree

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
spanning-tree	Show spanning-tree logging configuration

Command Mode

- /exec

show logging level spm

show logging level spm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
spm	Show spm logging configuration

Command Mode

- /exec

show logging level stripcl

show logging level stripcl

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
stripcl	Show stripcl logging configuration

Command Mode

- /exec

show logging level sync

show logging level sync

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sync	Show sync logging configuration

Command Mode

- /exec

show logging level sysmgr

show logging level sysmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sysmgr	Show sysmgr logging configuration

Command Mode

- /exec

show logging level tacacs

show logging level tacacs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tacacs	Show tacacs+ logging configuration

Command Mode

- /exec

show logging level telemetry

show logging level telemetry

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
telemetry	Show telemetry logging level

Command Mode

- /exec

show logging level template_manager

show logging level template_manager

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
template_manager	Show template manager logging configuration

Command Mode

- /exec

show logging level track

show logging level track

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
track	Show track logging configuration

Command Mode

- /exec

show logging level tunnel-encryption

show logging level tunnel-encryption

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tunnel-encryption	Show tunnel encryption manager logging configuration

Command Mode

- /exec

show logging level tunnel

show logging level tunnel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tunnel	Show tunnel logging settings

Command Mode

- /exec

show logging level u2rib

show logging level u2rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u2rib	Show U2RIB logging configuration

Command Mode

- /exec

show logging level u6rib

show logging level u6rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u6rib	Show U6RIB logging configuration

Command Mode

- /exec

show logging level udd

show logging level udd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
udd	Show udd logging configuration

Command Mode

- /exec

show logging level ufdm

show logging level ufdm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ufdm	Show ufdm logging configuration

Command Mode

- /exec

show logging level urib

show logging level urib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
urib	Show URIB logging configuration

Command Mode

- /exec

show logging level vdc_mgr

show logging level vdc_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vdc_mgr	Show vdc manager logging configuration

Command Mode

- /exec

show logging level virtual-service

show logging level virtual-service

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
virtual-service	Show virtualization manager logging configuration

Command Mode

- /exec

show logging level vlan_mgr

show logging level vlan_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vlan_mgr	Show vlan manager logging configuration

Command Mode

- /exec

show logging level vmm

show logging level vmm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vmm	Show vmm logging configuration

Command Mode

- /exec

show logging level vmtracker

show logging level vmtracker

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vmtracker	Show vmtracker logging configuration

Command Mode

- /exec

show logging level vpc

show logging level vpc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vpc	Show vPC logging configuration

Command Mode

- /exec

show logging level vrrp-cfg

show logging level vrrp-cfg

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-cfg	Show vrrp-cfg logging configuration

Command Mode

- /exec

show logging level vrrp-eng

show logging level vrrp-eng

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-eng	Show vrrp-eng logging configuration

Command Mode

- /exec

show logging level vrrpv3

show logging level vrrpv3

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrpv3	level for vrrpv3 configuration

Command Mode

- /exec

show logging level vsan

show logging level vsan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vsan	Show vsan logging configuration

Command Mode

- /exec

show logging level vshd

show logging level vshd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level vtp

show logging level vtp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vtp	Show vtp logging configuration

Command Mode

- /exec

show logging level wwn

show logging level wwn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
wwn	Show wwn logging configuration

Command Mode

- /exec

show logging level xbar

show logging level xbar

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level zone

show logging level zone

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging logfile

show logging logfile

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile

Command Mode

- /exec

show logging logfile duration

show logging logfile duration <s1>

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
duration	show messages from logfile of last given duration
<i>s1</i>	Enter hour, minutes, seconds of duration as HH:MM:SS

Command Mode

- /exec

show logging logfile last-index

show logging logfile last-index

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
last-index	Show the sequence-number of the last message in logfile

Command Mode

- /exec

show logging logfile start-seqn

show logging logfile start-seqn <i0> [end-seqn <i1>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-seqn	Show messages from logfile from a given start-sequence-number
<i>i0</i>	Enter starting sequence number
end-seqn	(Optional) Show messages from logfile from a given end-sequence-number
<i>i1</i>	(Optional) Enter ending sequence number

Command Mode

- /exec

show logging logfile start-time

show logging logfile start-time <i0> <s0> <i1> <s1> [end-time <i2> <s2> <i3> <s3>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-time	Show messages from logfile from a given start-time
<i>i0</i>	Enter year in YYYY format
<i>s0</i>	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>i1</i>	Enter day of month in dd format
<i>s1</i>	Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from logfile up to a given end-time
<i>i2</i>	(Optional) Enter year in YYYY format
<i>s2</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>i3</i>	(Optional) Enter day of month in dd format
<i>s3</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

show logging loopback

show logging loopback

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
loopback	Show logging loopback configuration

Command Mode

- /exec

show logging module

show logging module

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
module	Show module(linecard) logging configuration

Command Mode

- /exec

show logging monitor

show logging monitor

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
monitor	Show monitor logging configuration

Command Mode

- /exec

show logging nvram

```
show logging nvram [ [ { last <i0> } ] ]
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
nvram	Show NVRAM log
last	(Optional) Show last few lines of nvram log
<i>i0</i>	(Optional) Enter number of lines to display

Command Mode

- /exec

show logging onboard

```
show logging onboard { counter-stats | endtime <s0> [ { counter-stats | internal { <dc3_options> } } ] | internal { <dc3_options> } | module <module> { counter-stats | endtime1 <s1> [ { counter-stats | internal { <dc3_options> } } ] | internal { <dc3_options> } | starttime <s2> [ { counter-stats | endtime2 <s3> [ { counter-stats | internal { <dc3_options> } } ] | internal { <dc3_options> } } ] | starttime1 <s4> [ { counter-stats | endtime3 <s5> [ { counter-stats | internal { <dc3_options> } } ] | internal { <dc3_options> } } ] }
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
counter-stats	Show OBFL counter statistics
endtime	Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s0</i>	End time format - mm/dd/yy-HH:MM:SS
internal	(Optional) Show Logging Onboard Internal
module	Show OBFL information for Module
<i>module</i>	Enter module number
endtime1	Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s1</i>	End time format - mm/dd/yy-HH:MM:SS
starttime	Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s2</i>	Start time format - mm/dd/yy-HH:MM:SS
endtime2	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s3</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
starttime1	Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s4</i>	Start time format - mm/dd/yy-HH:MM:SS
endtime3	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s5</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
<i>dc3_options</i>	(Optional) dc3 options

Command Mode

- /exec

show logging onboard

```
show logging onboard [ card-first-power-on | card-boot-history | <common_options> | endtime <s0> [ {
<common_options> | error-stats [ port <i0> ] } ] | error-stats [ port1 <i1> ] | module <module> [
<common_options> | endtime1 <s1> [ { <common_options> | error-stats [ port3 <i3> ] } ] | error-stats [ port4
<i4> ] | starttime <s2> [ { <common_options> | endtime2 <s3> [ { <common_options> | error-stats [ port6
<i6> ] } ] | error-stats [ port7 <i7> ] } ] | card-first-power-on | card-boot-history ] | obfl-logs | starttime1 <s4>
[ { <common_options> | endtime3 <s5> [ { <common_options> | error-stats [ port8 <i8> ] } ] | error-stats [
port9 <i9> ] } ] | credit-loss [ module <module> [ last <last_no> { minutes | hours | days } ] | last <last_no>
{ minutes | hours | days } ] | flow-control { pause-count [ module <module> [ last <last_no> { minutes | hours
| days } ] | last <last_no> { minutes | hours | days } ] | pause-events [ module <module> [ last <last_no> {
minutes | hours | days } ] | last <last_no> { minutes | hours | days } ] | request-timeout [ module <module> ]
| timeout-drops [ module <module> [ port10 <i10> [ last <last_no> { minutes | hours | days } ] | last <last_no>
{ minutes | hours | days } ] | last <last_no> { minutes | hours | days } ] } ] }
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
card-first-power-on	(Optional) show card first power on information
card-boot-history	(Optional) show card boot history
endtime	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s0	(Optional) End time format - mm/dd/yy-HH:MM:SS
error-stats	(Optional) Show OBFL error statistics
port	(Optional) Show OBFL error statistics for a port
i0	(Optional)
common_options	(Optional) give the options
port1	(Optional) Show OBFL error statistics for a port
i1	(Optional)
module	(Optional) Show OBFL information for Module
module	(Optional) Enter module number
endtime1	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s1	(Optional) End time format - mm/dd/yy-HH:MM:SS
port3	(Optional) Show OBFL error statistics for a port
i3	(Optional)

port4	(Optional) Show OBFL error statistics for a port
<i>i4</i>	(Optional)
starttime	(Optional) Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s2</i>	(Optional) Start time format - mm/dd/yy-HH:MM:SS
endtime2	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s3</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
port6	(Optional) Show OBFL error statistics for a port
<i>i6</i>	(Optional)
port7	(Optional) Show OBFL error statistics for a port
<i>i7</i>	(Optional)
starttime1	(Optional) Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s4</i>	(Optional) Start time format - mm/dd/yy-HH:MM:SS
endtime3	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s5</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
port8	(Optional) Show OBFL error statistics for a port
<i>i8</i>	(Optional)
port9	(Optional) Show OBFL error statistics for a port
<i>i9</i>	(Optional)
obfl-logs	(Optional) Show OBFL Tech Support Log.
timeout-drops	(Optional) Show OBFL Timeout Drops logs
port10	(Optional) Show OBFL statistics per port basis
<i>i10</i>	(Optional)
credit-loss	(Optional) Show OBFL Credit Loss logs
last	(Optional) Show last min/hour/day logs
<i>last_no</i>	(Optional) Duration in min/hrs/day
minutes	(Optional) entry in minutes
hours	(Optional) entry in hours
days	(Optional) entry in days
request-timeout	(Optional) Show OBFL request timeout log

flow-control	(Optional) Show OBFL Flow Control log
pause-count	(Optional) Show Flow Control Pause Count Logs
pause-events	(Optional) Show Flow Control Pause Event Logs

Command Mode

- /exec

show logging onboard kernel-trace

show logging onboard kernel-trace

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
kernel-trace	Show OBFL Kernel Trace

Command Mode

- /exec

show logging origin-id

show logging origin-id

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
origin-id	Show logging origin id configuration

Command Mode

- /exec

show logging pending-diff

show logging pending-diff

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending-diff	server address pending configuration diff

Command Mode

- /exec

show logging pending

show logging pending

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending	server address pending configuration

Command Mode

- /exec

show logging rate-limit

show logging rate-limit

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
rate-limit	Show rate limit configuration

Command Mode

- /exec

show logging rfc-strict

show logging rfc-strict

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
rfc-strict	Show RFC to which messages are compliant

Command Mode

- /exec

show logging server

show logging server

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
server	Show server logging configuration

Command Mode

- /exec

show logging session status

show logging session status

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
session	Show logging session status
status	Show logging session status

Command Mode

- /exec

show logging source-interface

show logging source-interface

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
source-interface	Show logging source-interface configuration

Command Mode

- /exec

show logging status

show logging status

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
status	Show logging status

Command Mode

- /exec

show logging timestamp

show logging timestamp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
timestamp	Show logging timestamp configuration

Command Mode

- /exec

show login on-failure log

show login on-failure log

Syntax Description

show	show
login	login
on-failure	authentication failure
log	Log

Command Mode

- /exec

show login on-successful log

show login on-successful log

Syntax Description

show	show
login	login
on-successful	authentication successful
log	Log

Command Mode

- /exec

show login on-successful log



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show mac-list

```
show mac-list { [ { <maclist-name> | <maclist-cfg-name> } [ { seq <seq_no> | { <mac_addr> [ <mac_mask> ] } } ] ] }
```

Syntax Description

show	Show running system information
mac-list	Show mac-lists
<i>maclist-name</i>	(Optional) Name of mac-list
<i>maclist-cfg-name</i>	(Optional) Known mac-list name
seq	(Optional) Sequence number
<i>seq_no</i>	(Optional) Sequence number
<i>mac_addr</i>	(Optional) MAC address
<i>mac_mask</i>	(Optional) MAC mask

Command Mode

- /exec

show mac-move policy

show mac-move policy

Syntax Description

show	Show
mac-move	Display mac-move policy
policy	Display mac-move policy

Command Mode

- /exec

show mac address-table

```
show mac address-table <module> [ count ] [ static | dynamic | secure ] [ { [ address1 <mac-addr> | { switch-id
<swid> [ sub-switch-id <sswid> ] } ] | vlan1 <id> | [ vdc1 <vdc> | <e-vdc> ] | fe1 <feid> ] + } | { [ address
<mac-addr> | interface <interface-name> | vlan <id> | [ vdc <vdc> | <e-vdc> ] | fe <feid> ] + } ] [ hex ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
<i>module</i>	Module Number
count	(Optional) Number of entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
address	(Optional) address
address1	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
interface	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
vlan	(Optional) VLAN
vlan1	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
vdc	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vdc1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vdc</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>e-vdc</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

fe	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
fe1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>feid</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
hex	(Optional) display swid/sswid/lid in hex

Command Mode

- /exec

show mac address-table

```
show mac address-table [ static | dynamic | secure ] [ local ] [ { [ address1 <mac-addr> | { switch-id <swid>
[ sub-switch-id <sswid> ] } | vlan1 <id> ] + } | { [ address <mac-addr> | interface <interface-name> | vlan
<id> ] + } | { [ address2 <mac-addr> | interface1 <interface-name> | vni <vni-id> | [ peer-ip <peer-ipv4> |
peer-ipv6 <peer-ipv6> ] ] + } | { [ address3 <mac-addr> | interface2 <interface-name> | vni1 <vni-id> | es {
<esid-opt1> | <esid-opt2> | all } ] + } ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
address	(Optional) address
address1	(Optional) address
address2	(Optional) address
address3	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
interface	(Optional) Interface
interface1	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
interface2	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
vlan	(Optional) VLAN

vlan1	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
vni	(Optional) VXLAN Network Identifier
vni1	(Optional) VXLAN Network Identifier
<i>vni-id</i>	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
<i>peer-ipv4</i>	(Optional) VXLAN Peer IP Address
peer-ipv6	(Optional) VXLAN Peer IPv6 Address
es	(Optional) EVPN Remote ESID
<i>esid-opt1</i>	(Optional) EE:EE:EE:EE:EE:EE:EE:EE:EE:EE ESID Option 1
<i>esid-opt2</i>	(Optional) EEEE.EEEE.EEEE.EEEE.EEEE ESID Option 2
all	(Optional) all ESIs

Command Mode

- /exec

show mac address-table aging-time

show mac address-table aging-time

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
aging-time	Configured/default age

Command Mode

- /exec

show mac address-table count

```
show mac address-table count [ static | dynamic | secure ] [ local ] [ { [ interface <interface-name> | { switch-id
<swid> [ sub-switch-id <sswid> ] } | vlan <id> ] + } | { [ interface1 <interface-name> | vni <vni-id> | [ peer-ip
<peer-ipv4> | peer-ipv6 <peer-ipv6> ] ] + } ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
vlan	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
interface	(Optional) Interface
interface1	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
vni	(Optional) VXLAN Network Identifier
<i>vni-id</i>	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
<i>peer-ipv4</i>	(Optional) VXLAN Peer IP Address
peer-ipv6	(Optional) VXLAN Peer IPv6 Address

Command Mode

- /exec

show mac address-table count es

show mac address-table count es { <es-id> | <es-id2> | all }

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
es	EVPN Remote ESID
<i>es-id</i>	EE:EE:EE:EE:EE:EE:EE:EE:EE ESID
<i>es-id2</i>	EEEE.EEEE.EEEE.EEEE.EEEE ESID
all	all ESIs

Command Mode

- /exec

show mac address-table limit

show mac address-table limit { all | system | vlan | interface }

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
limit	Configured/default mac limit

Command Mode

- /exec

show mac address-table limit user-defined

show mac address-table limit user-defined

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
limit	mac limit
user-defined	limit the number of unique mac addresses used on any type of L3 interface

Command Mode

- /exec

show mac address-table loop-detect

show mac address-table loop-detect

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC
loop-detect	Display Action for Mac Loop Detection

Command Mode

- /exec

show mac address-table multicast

show mac address-table multicast [vlan <vlan> | bridge-domain <bdid>]

Syntax Description

show	Show running system information
mac	MAC configuration commands
address-table	MAC Address Table
multicast	mcast mac OIF Static Entry
vlan	(Optional) VLAN
<i>vlan</i>	(Optional) VLAN
bridge-domain	(Optional) BD
<i>bdid</i>	(Optional) BD

Command Mode

- /exec

show mac address-table notification mac-move

show mac address-table notification mac-move

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
notification	Display Notification Information
mac-move	Mac Move Notification

Command Mode

- /exec

show macsec mka

show macsec mka [summary]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
summary	(Optional) Show MKA summary information

Command Mode

- /exec

show macsec mka session

show macsec mka session [interface <ifname>] [details]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
session	Show MKA session information
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list
details	(Optional) Show MKA detailed information

Command Mode

- /exec

show macsec mka statistics

show macsec mka statistics [interface <ifname>]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
statistics	Show MKA statistics
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list

Command Mode

- /exec

show macsec policy

show macsec policy [<policy_name>]

Syntax Description

show	Show running system information
macsec	Show MACSEC policy information
policy	Show MACSEC policy information
<i>policy_name</i>	(Optional) Name of MACSEC Policy

Command Mode

- /exec

show macsec secy statistics

show macsec secy statistics [interface <ifname>]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
secy	Show MACSEC secy entity information
statistics	Show MACSEC secy statistics
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list

Command Mode

- /exec

show maintenance maint-delay

show maintenance maint-delay

Syntax Description

show	Show running system information
maintenance	maintenance
maint-delay	maintenance mode CLI release delay value

Command Mode

- /exec

show maintenance on-reload reset-reasons

show maintenance on-reload reset-reasons

Syntax Description

show	Show running system information
maintenance	maintenance
on-reload	on reload maintenance mode configuration
reset-reasons	system reset reasons

Command Mode

- /exec

show maintenance profile

show maintenance profile [<mode>]

Syntax Description

show	Show running system information
maintenance	maintenance
profile	maintenance profile
<i>mode</i>	(Optional)

Command Mode

- /exec

show maintenance snapshot-delay

show maintenance snapshot-delay

Syntax Description

show	Show running system information
maintenance	maintenance
snapshot-delay	after_maintenance snapshot delay value

Command Mode

- /exec

show maintenance timeout

show maintenance timeout

Syntax Description

show	Show running system information
maintenance	maintenance
timeout	timeout value

Command Mode

- /exec

show mcast

show mcast [vsan <i0>]

Syntax Description

show	Show running system information
vsan	(Optional) Enter VSAN
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show mdns-sd controller detail

show mdns-sd controller detail

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
detail	mDNS Controller Detail

Command Mode

- /exec

show mdns-sd controller export-summary

show mdns-sd controller export-summary

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
export-summary	mDNS Controller Summary

Command Mode

- /exec

show mdns-sd controller service-list

```
show mdns-sd controller service-list [ { name <sl-name> } ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-list	mDNS Service List
name	(Optional) mDNS Service List Name
<i>sl-name</i>	(Optional) mDNS Service List Name

Command Mode

- /exec

show mdns-sd controller service-policy

```
show mdns-sd controller service-policy [ { name <ser-pol-name> } ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-policy	mDNS Service Policy
name	(Optional) Specify name of mDNS Service Policy
<i>ser-pol-name</i>	(Optional) mDNS Service Policy Name

Command Mode

- /exec

show mdns-sd controller statistics

show mdns-sd controller statistics

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
statistics	mDNS Controller Statistics

Command Mode

- /exec

show mdns-sd controller summary

show mdns-sd controller summary

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
summary	mDNS Controller Summary

Command Mode

- /exec

show mdns-sd filter-results

show mdns-sd filter-results <rr_name> <pol_name> <vlan-id> <filter-dir> <msg-data-type>

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
filter-results	check filter results by inputting the arguments
<i>rr_name</i>	input RR name
<i>pol_name</i>	input pol name
<i>vlan-id</i>	input vlan-id
<i>filter-dir</i>	input filter direction in(1)/out(2)
<i>msg-data-type</i>	input msg-data-type query(1)/advertisement(2)

Command Mode

- /exec

show mdns-sd service-definition

```
show mdns-sd service-definition [ { name <ser-def-name> } | { type { built-in | custom } } ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
service-definition	mDNS Service Definition
name	(Optional) mDNS Service Definition Name
<i>ser-def-name</i>	(Optional) mDNS Service Definition Name
type	(Optional) mDNS Service Definition Type
built-in	(Optional) Built-in Service Definition
custom	(Optional) Custom Service Definition

Command Mode

- /exec

show mdns-sd service-list

```
show mdns-sd service-list [ { direction { in | out } } | { name <sl-name> } ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
service-list	mDNS Service List
direction	(Optional) mDNS Service List Direction
in	(Optional) Service List of type IN
out	(Optional) Service List of type OUT
name	(Optional) mDNS Service List Name
<i>sl-name</i>	(Optional) mDNS Service List Name

Command Mode

- /exec

show mdns-sd service-policy

show mdns-sd service-policy [{ name <ser-pol-name> }]

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
service-policy	mDNS Service Policy
name	(Optional) Specify name of mDNS Service Policy
<i>ser-pol-name</i>	(Optional) mDNS Service Policy Name

Command Mode

- /exec

show mdns-sd statistics global

show mdns-sd statistics global

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
statistics	mDNS Statistics
global	mDNS global Statistics

Command Mode

- /exec

show mdns-sd statistics raw-stats

show mdns-sd statistics raw-stats { all | all-non-zero | <index> }

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
statistics	mDNS Statistics
raw-stats	mDNS rawStats Statistics
all	ALL Raw stats
all-non-zero	ALL non-zero Raw stats
<i>index</i>	Specify the index of Raw Stats

Command Mode

- /exec

show mdns-sd summary

show mdns-sd summary

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
summary	mDNS Summary

Command Mode

- /exec

show mdns-sd summary vlan

show mdns-sd summary vlan <vlan-id>

Syntax Description

show	Show running system information
mdns-sd	MDNS Gateway
summary	mDNS Summary
vlan	mDNS Vlan Summary
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show module

```
show module [ { <module> } | { <s0> [ <santa-cruz-range> ] } | { fabric [ <module> ] } ]
```

Syntax Description

show	Show running system information
module	Show module information
<i>module</i>	(Optional) Enter module number
<i>s0</i>	(Optional) Show xbar information
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
fabric	(Optional) Show fabric information

Command Mode

- /exec

show module bandwidth-fairness

show module <module> bandwidth-fairness

Syntax Description

show	Show running system information
module	Show module information
<i>module</i>	Enter module number
bandwidth-fairness	Show bandwidth fairness status

Command Mode

- /exec

show module port type

show module <module1> port type

Syntax Description

show	Show running system information
module	Show module information
<i>module1</i>	Enter module number
port	Show port type
type	Show port type

Command Mode

- /exec

show module uptime

show module uptime

Syntax Description

show	Show running system information
module	Show module information
uptime	Show how long the module has been up and running

Command Mode

- /exec

show monitor

show monitor

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information

Command Mode

- /exec

show monitor session

show monitor session { all | <session_number> | warp | range <session_range> } [{ drops | brief | stats }]

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information
session	Show session info
all	All sessions
<i>session_number</i>	
warp	warp session
range	Specify a range
<i>session_range</i>	
brief	(Optional) Brief information
drops	(Optional) show drop count
stats	(Optional) show monitor stats

Command Mode

- /exec

show mpls extended-ecmp

show mpls extended-ecmp

Syntax Description

show	Show running system information
mpls	MPLS routing ECMP mode
extended-ecmp	extended-ecmp mode

Command Mode

- /exec

show mpls forwarding statistics

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

Syntax Description

show	Show running system information
mpls	MPLS information
forwarding	Display MPLS software forwarded
statistics	Traffic statistics
interface	(Optional) Interface specific information
<i>interface</i>	(Optional) Interface chosen to display statistics
all	(Optional) All interfaces

Command Mode

- /exec

show mpls interfaces

show mpls interfaces

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Display MPLS Interfaces

Command Mode

- /exec

show mpls interfaces detail

show mpls interfaces detail

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
detail	Detail

Command Mode

- /exec

show mpls interfaces statistics

show mpls interfaces <ifname> statistics

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
<i>ifname</i>	Interface Name
statistics	statistics

Command Mode

- /exec

show mpls ip bindings

```
show mpls ip bindings [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ generic ] [ { <prefix> { <mask> |
<mask-length> } | <prefix-mask> } [ longer-prefix ] ] [ neighbor <addr> | local ] [ [ local-label <local-label>
[ local-to <local-label-max> ] ] | [ remote-label <remote-label> [ remote-to <remote-label-max> ] ] ] [
advertisement-prefix-list | detail ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display LIB information in all VRFs
generic	(Optional) Display generic labels
<i>prefix</i>	(Optional) Destination prefix
<i>mask</i>	(Optional) Destination prefix mask
<i>mask-length</i>	(Optional) Mask length
<i>prefix-mask</i>	(Optional) Destination prefix/mask
longer-prefix	(Optional) Include longer matches
neighbor	(Optional) Display labels from LDP neighbor
<i>addr</i>	(Optional) IP adjacency address
local	(Optional) Display only locally assigned labels
local-label	(Optional) Match locally assigned label values
<i>local-label</i>	(Optional) Locally assigned label value
local-to	(Optional) Label range
<i>local-label-max</i>	(Optional) Locally assigned label value
remote-label	(Optional) Match remotely assigned label values
<i>remote-label</i>	(Optional) Remotely assigned label value

remote-to	(Optional) Label range
<i>remote-label-max</i>	(Optional) Remotely assigned label value
advertisement-prefix-list	(Optional) Show advertisement prefix lists
detail	(Optional) Show detailed information

Command Mode

- /exec

show mpls ip bindings summary

show mpls ip bindings summary

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
summary	Show summary information

Command Mode

- /exec

show mpls ip ttl

show mpls ip ttl

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	Display IP information
ttl	TTL related information

Command Mode

- /exec

show mpls label range

show mpls label range

Syntax Description

show	Show running system information
mpls	MPLS configuration commands
label	Label properties
range	Label range

Command Mode

- /exec

show mpls load-sharing

show mpls load-sharing

Syntax Description

show	Show running system information
mpls	MPLS information
load-sharing	Show mpls load sharing options

Command Mode

- /exec

show mpls oam echo statistics

show mpls oam echo statistics [summary]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
oam	Display OAM information
echo	Echo request information
statistics	Detailed Echo packet statistics
summary	(Optional) Echo packet statistics summary

Command Mode

- /exec

show mpls static binding

```
show mpls static binding [ vrf { <vrf-name> | <vrf-known-name> } ] { { ipv4 [ <prefix> { <mask> |
<mask-length> } | <prefix-mask> ] [ local | remote ] [ nexthop <addr> ] [ inconsistency ] [ lsp <slb_name> ]
} | { ipv6 [ <ipv6-prefix> ] [ local | remote ] [ ipv6-nexthop <ipv6-addr> ] [ inconsistency ] } | all [ inconsistency
] }
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	Show ipv4 static label bindings
ipv6	Show ipv6 static label bindings
all	Show all static label bindings
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
local	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
remote	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
inconsistency	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>prefix</i>	(Optional) Destination ipv4 prefix
<i>mask</i>	(Optional) Destination ipv4 prefix mask
<i>mask-length</i>	(Optional) Ipv4 mask length
<i>prefix-mask</i>	(Optional) Destination prefix/mask
nexthop	(Optional) Ipv4 next hop address
<i>addr</i>	(Optional) Ipv4 Next hop address
ipv6-nexthop	(Optional) Ipv6 next hop address
lsp	(Optional) LSP Name

Command Mode

- /exec

show mpls strip labels

show mpls strip labels [all | static | dynamic | <label_val>]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
labels	labels added in the system
all	(Optional) all labels [default]
static	(Optional) labels programmed using cli
dynamic	(Optional) dynamically learned
<i>label_val</i>	(Optional) Label to show

Command Mode

- /exec

show mpls switching

```
show mpls switching [ labels <label> [ <max-label> ] | interface <intf> | { <ip-addr> | <ipv4-prefix> } [ vrf
{ <vrf-name> | <vrf-known-name> | all } ] | <ipv6-prefix> [ vrf { <vrf-name> | <vrf-known-name> | all } ] |
traffic-eng srpath [ <srte-path-id> ] | aggregate [ ipv4 | ipv6 ] [ vrf { <vrf-name> | <vrf-known-name> | all }
] | { fec { ipv4_prefix [ vrf { <vrf-name> | <vrf-known-name> | all } ] | ipv6_prefix [ vrf { <vrf-name> |
<vrf-known-name> | all } ] | deagg [ vrf { <vrf-name> | <vrf-known-name> | all | ias_vpnv4 | ias_vpnv6 } ]
| per-bd <per-bd-vlan-id> } } | { summary } ] [ detail ] [ private ] [ vrf { <vrf-name> | <vrf-known-name> |
all } ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
traffic-eng	(Optional) Show traffic-engineering related entries
srpath	(Optional) Show traffic-engineering segment-routing path entries
<i>ip-addr</i>	(Optional) Match destination address
<i>ipv4-prefix</i>	(Optional) Specify an IP prefix/mask
fec	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
labels	(Optional) Show a specific label-related information
<i>label</i>	(Optional) Low label value
<i>max-label</i>	(Optional) High label value
interface	(Optional) Match outgoing interface
aggregate	(Optional) Show aggregate-related information
<i>intf</i>	(Optional) Specify outgoing interface
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Detailed information
ipv4_prefix	(Optional) IPv4 prefix
ipv6_prefix	(Optional) IPv6 prefix
ipv4	(Optional) Display IPv4 information
ipv6	(Optional) Display IPv6 information
deagg	(Optional) De-aggregation

per-bd	(Optional) BD FEC
ias_vpnv4	(Optional) Display Inter-AS V4 information
ias_vpnv6	(Optional) Display Inter-AS V6 information
<i>srte-path-id</i>	(Optional) Traffic-engineering segment-routing path id
<i>per-bd-vlan-id</i>	(Optional) Per BD id
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show mpls switching clients

show mpls switching clients

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
clients	Display ULIB client components

Command Mode

- /exec

show mts-buildup check

show mts-buildup check

Syntax Description

show	Show
mts-buildup	Display mts-buildup
check	Display mts-buildup check

Command Mode

- /exec

show mvpn bgp mdt

```
show mvpn bgp { mdt-safi | auto-discovery } [ mdt-source <src-addr> ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
bgp	Display BGP related information
mdt-safi	Display Auto-discovered BGP MDT-SAFI database
auto-discovery	Display Auto-discovered BGP MDT-SAFI database
mdt-source	(Optional) Source address of MVPN neighbor

Command Mode

- /exec

show mvpn bgp mdt

show mvpn bgp { mdt-safi | auto-discovery } [mdt-source <src-addr>]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
bgp	Display BGP related information
mdt-safi	Display Auto-discovered BGP MDT-SAFI database
auto-discovery	Display Auto-discovered BGP MDT-SAFI database
mdt-source	(Optional) Source address of MVPN neighbor
<i>src-addr</i>	(Optional) Source Address

Command Mode

- /exec

show mvpn mdt encap

```
show mvpn mdt encap [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
encap	Display MDT Encap table
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show mvpn mdt encap

show mvpn mdt encap [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
encap	Display MDT Encap table
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show mvpn mdt route

show mvpn mdt route [detail]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
route	Display MDT route information
detail	(Optional) Display detailed information

Command Mode

- /exec

show mvpn mdt route

show mvpn mdt route [detail]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
route	Display MDT route information
detail	(Optional) Display detailed information

Command Mode

- /exec

show mvr

show mvr [verbose]

Syntax Description

show	Show running system information
mvr	show mvr info
verbose	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show mvr groups

show mvr groups

Syntax Description

show	Show running system information
mvr	show mvr info
groups	show mvr groups config

Command Mode

- /exec

show mvr interface

show mvr interface [<if0>]

Syntax Description

show	Show running system information
mvr	show mvr info
interface	show mvr interfaces
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec

show mvr members

show mvr members [interface <if0>]

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
interface	(Optional) show active mvr groups config on interface
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec

show mvr members count

show mvr members count

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
count	Active mvr groups on each mvr-vlan

Command Mode

- /exec

show mvr members vlan

```
show mvr members { vlan <vlan-id> }
```

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
vlan	vlan
<i>vlan-id</i>	Enter MVR Vlan

Command Mode

- /exec

show mvr receiver-ports

show mvr receiver-ports [<if0>]

Syntax Description

show	Show running system information
mvr	show mvr info
receiver-ports	List MVR receiver ports
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec

show mvr source-ports

show mvr source-ports [<if0>]

Syntax Description

show	Show running system information
mvr	show mvr info
source-ports	List MVR source ports
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec



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show nat itd

show nat itd

Syntax Description

show	Show running system information
nat	IP NAT information
itd	IP NAT ITD

Command Mode

- /exec

show nbm defaults

show nbm defaults [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
defaults	Default config
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

show nbm flow-policy

```
show nbm flow-policy [ name { <policy-name> } ] [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flow-policy	Flow policy show command
name	(Optional) Policy name
<i>policy-name</i>	(Optional) Policy name value
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

show nbm flows

```
show nbm flows [ group-based [ group <group-ip> ] | { flow-policy { <cfg-pol-name> | <unknown-pol-name>
} } | source <source-ip> [ group <group-ip> ] | group <group-ip> [ source <source-ip> ] | interface <if-name>
| priority { low | critical } [ [ oif interface <if-name> ] | [ rpf interface <if-name> ] | [ policer { slot <slot> unit
<unit> slice <slice> } ] | [ policer-intf interface <if-name> ] ] | logical-id { none | any | <lid-val> } | profile-id
<prof-id> ] [ all | active | inactive | no-receiver ] [ detail ] [ vrf { <vrf-name> | <nbm-vrf-known-name> | all
} ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows (default will be active flows)
active	(Optional) Active flows (default)
inactive	(Optional) Inactive flows
no-receiver	(Optional) Flows without any receiver
all	(Optional) Both active and inactive flows
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
flow-policy	(Optional) Flow policy
<i>cfg-pol-name</i>	(Optional) Policy name
<i>unknown-pol-name</i>	(Optional) Policy name
source	(Optional) Source IP address
<i>source-ip</i>	(Optional) Source IP address
group	(Optional) Multicast group
<i>group-ip</i>	(Optional) Multicast group address
interface	(Optional) Ingress interface
priority	(Optional) Flow Priority
low	(Optional) low
critical	(Optional) critical
logical-id	(Optional) Logical ID (LID)
oif	(Optional) OIF
interface	(Optional) Interface

<i>if-name</i>	(Optional) Physical or Logical interface
rpf	(Optional) RPF
interface	(Optional) Interface
<i>if-name</i>	(Optional) Physical or Logical interface
policer	(Optional) Policer
slot	(Optional) Slot number (1-based)
<i>slot</i>	(Optional) Slot number (1-based)
unit	(Optional) Unit number (0-based)
<i>unit</i>	(Optional) Unit number (0-based)
slice	(Optional) Slice number (0-based)
<i>slice</i>	(Optional) Slice number (0-based)
policer-intf	(Optional) Policer Intf
interface	(Optional) Interface
<i>if-name</i>	(Optional) Physical or Logical interface
<i>lid-val</i>	(Optional) Logical ID (LID) value
any	(Optional) Any Logical ID (LID)
none	(Optional) Without any Logical ID (LID)
profile-id	(Optional) Profile ID
<i>prof-id</i>	(Optional) Profile ID value
detail	(Optional) Detailed output
<i>if-name</i>	(Optional) Interface name

Command Mode

- /exec

show nbm flows pending-stitch

show nbm flows pending-stitch [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
pending-stitch	All pending stitch flows

Command Mode

- /exec

show nbm flows static

```
show nbm flows static [ group <grp> ] [ source <src> ] [ stitched | unstitched ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows (default will be active flows)
static	Static NBM Flows
group	(Optional) Multicast group
<i>grp</i>	(Optional) Multicast group address
source	(Optional) Source ip of sender
<i>src</i>	(Optional) Source address
stitched	(Optional) Show only successfully provisioned oif
unstitched	(Optional) Show only failed to provision oif
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

show nbm flows statistics

```
show nbm flows statistics [ group-based [ group <group-ip> ] | source <source-ip> [ group <group-ip> ] |
group <group-ip> [ source <source-ip> ] | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } |
interface <if-name> | logical-id { none | any | <lid-val> } | profile-id <prof-id> ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
statistics	Flow statistics
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
source	(Optional) Source IP address
<i>source-ip</i>	(Optional) Source IP address value
group	(Optional) Multicast group
<i>group-ip</i>	(Optional) Multicast group address value
flow-policy	(Optional) Flow policy
<i>cfg-pol-name</i>	(Optional) Policy name
<i>unknown-pol-name</i>	(Optional) Policy name
interface	(Optional) Ingress interface
<i>if-name</i>	(Optional) Interface interface name
logical-id	(Optional) Logical ID (LID)
<i>lid-val</i>	(Optional) Logical ID (LID) value
any	(Optional) Any Logical ID (LID)
none	(Optional) Without any Logical ID (LID)
profile-id	(Optional) Profile ID
<i>prof-id</i>	(Optional) Profile ID value
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name

<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
---------------------------	-------------------------

Command Mode

- /exec

show nbm flows summary

show nbm flows summary [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM Flows
summary	NBM Flow Summary
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

show nbm host-policy all

```
show nbm host-policy all { sender | { receiver { local | external } } } [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
all	All policies on switch
sender	Sender Policy
receiver	Receiver Policy
local	Local receiver policy
external	External receiver policy
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

show nbm host-policy applied receiver

```
show nbm host-policy applied receiver { { local { all | wildcard | interface <if-name> } | external } [ vrf {
<vrf-name> | <nbm-vrf-known-name> | all } ] }
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
receiver	Receiver Policy
local	Local receiver policy
all	All policies on switch
wildcard	All wildcard policies
external	External receiver policy
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
all	(Optional) Display all VRFs
interface	Interface
<i>if-name</i>	Interface name

Command Mode

- /exec

show nbm host-policy applied sender

```
show nbm host-policy applied sender { { all | wildcard } [ vrf { <vrf-name> | <nbm-vrf-known-name> | all
} ] } | { interface <if-name> } }
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
sender	Sender Policy
all	All policies on switch
wildcard	Wildcard host policy
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
interface	Interface
<i>if-name</i>	Interface name

Command Mode

- /exec

show nbm info shm table flow-detail vrf

show nbm info shm table flow-detail vrf { <vrf-name> | <nbm-vrf-known-name> | all } [oif <oif-name>]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
info	info
shm	Shared memory related commands
table	SHM table type
flow-detail	Flow mapping table in detail
oif	(Optional) Outgoing interface
<i>oif-name</i>	(Optional) flow-detail Physical or Logical interface
vrf	Display per-VRF information
all	Display all VRFs
<i>vrf-name</i>	VRF name
<i>nbm-vrf-known-name</i>	NBM VRF Name

Command Mode

- /exec

show nbm interface

```
show nbm interface { all | <if-name> } [ flow-bandwidth [ ingress | egress ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
interface	interface
all	Display all interface
<i>if-name</i>	Physical or Logical interface
flow-bandwidth	(Optional) Utilized Bandwidth interface table
ingress	(Optional) Flow bandwidth for Ingress
egress	(Optional) Flow bandwidth for Egress

Command Mode

- /exec

show nbm interface bandwidth

```
show nbm interface { bandwidth | bandwidth-utilized } [ interface <if-name> ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
interface	interface
bandwidth	Bandwidth interface table
bandwidth-utilized	Utilized Bandwidth interface table
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
interface	(Optional) Interface
<i>if-name</i>	(Optional) Physical or Logical interface
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

show ngoam interface statistics

show ngoam interface statistics

Syntax Description

TABLE_stats	(Optional) interface statistics table
<i>interface-name</i>	(Optional) interface namestring
<i>tx</i>	(Optional) ngoam probe transmit on the interface
<i>rx</i>	(Optional) ngoam probe receive on the interface
show	Show running system information
ngoam	ngoam
interface	probe packet interface
statistics	ngoam probe interface statistics

Command Mode

- /exec

show ngoam loop-detection status

show ngoam loop-detection status [vlan <vlan-range> [port <port-range>]] [history]

Syntax Description

show	Show running system information
ngoam	Configure ngoam
loop-detection	Configure sld
status	show blocked/recovering state loops
vlan	(Optional) ngoam loop-detection vlan
port	(Optional) ngoam loop-detection port
history	(Optional) show history of loops detected
<i>vlan-range</i>	(Optional) vlan range max span 1024, Example: 2000-3000,400,500
<i>port-range</i>	(Optional) Interface for loop detection

Command Mode

- /exec

show ngoam loop-detection summary

show ngoam loop-detection summary

Syntax Description

show	Show running system information
ngoam	Configure ngoam
loop-detection	Show loop detection
summary	ngoam loop detection summary

Command Mode

- /exec

show ngoam loopback

```
show ngoam loopback { { statistics { session { <handle> | all } | summary } } | { status { session { <handle> | all } } } }
```

Syntax Description

show	Show running system information
ngoam	ngoam
loopback	ngoam loopback
statistics	ngoam loopback statistics
summary	ngoam loopback statistics summary
status	ngoam loopback status
session	ngoam loopback session
session	ngoam loopback session
<i>handle</i>	ngoam loopback session handle
<i>handle</i>	ngoam loopback session handle
all	Display results for all ping/loopback sessions
all	Display results for all ping/loopback sessions
TABLE_statistics	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>connect-check-id</i>	(Optional) connect check id
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_attr	(Optional) Stats attributes table
<i>stat-attr</i>	(Optional) stats type
<i>stat-value</i>	(Optional) stats value
TABLE_statistics_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout

<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>resp-dup</i>	(Optional) Duplicate responses received
<i>req-sw-fwd</i>	(Optional) Request pkts sw fwded
<i>resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>req-drop</i>	(Optional) Requests dropped
<i>resp-drop</i>	(Optional) Responses dropped
TABLE_status	(Optional) database status table
<i>st-sender-handle</i>	(Optional) sender handle
<i>type</i>	(Optional) ngoam ping type
<i>state</i>	(Optional) ngoam ping state

Command Mode

- /exec

show ngoam pathtrace

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

Syntax Description

show	Show running system information
ngoam	ngoam
pathtrace	ngoam pathtrace
statistics	ngoam pathtrace statistics
summary	ngoam pathtrace statistics summary
session	ngoam pathtrace session
<i>handle</i>	ngoam pathtrace session handle
all	Display results for all pathtrace sessions
database	ngoam pathtrace results from the database
session	ngoam pathtrace session
all	Display results for all pathtrace sessions
<i>handle</i>	ngoam pathtrace session handle
detail	(Optional) Show detailed stats if present

Command Mode

- /exec

show ngoam probe

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

Syntax Description

show	Show running system information
ngoam	ngoam
probe	ngoam probe
statistics	ngoam probe statistics
summary	ngoam probe statistics summary
session	ngoam probe session
<i>handle</i>	ngoam probe session handle
all	Display results for all probe sessions
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>transaction-id</i>	(Optional) Transaction Identifier
<i>dst-vip</i>	(Optional) Destination Vtep ip address
<i>vni</i>	(Optional) vxlan header vni
<i>oam-type</i>	(Optional) draft pang oam type
<i>flow-str</i>	(Optional) 128 byte flow string.
<i>last-clear-stats</i>	(Optional) last clear time for statistics
<i>req-sent</i>	(Optional) request sent
<i>req-not-sent</i>	(Optional) request not sent or failed
<i>statistics-end</i>	(Optional) statistics table end marker
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent

<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent

Command Mode

- /exec

show ngoam traceroute statistics

```
show ngoam traceroute statistics { summary | { session { <handle> | all } } }
```

Syntax Description

show	Show running system information
ngoam	ngoam
traceroute	ngoam traceroute
statistics	ngoam traceroute statistics
summary	ngoam traceroute statistics summary
session	ngoam traceroute session
<i>handle</i>	ngoam traceroute session handle
all	Display results for all traceroute sessions
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_attr	(Optional) Stats attributes table
<i>stat-attr</i>	(Optional) stats type
<i>stat-value</i>	(Optional) stats value
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>resp-dup</i>	(Optional) Duplicate responses received

Command Mode

- /exec

show ngoam xconnect session

```
show ngoam xconnect session { <id> [ iodb ] | all [ dbdump ] }
```

Syntax Description

show	Show running system information
ngoam	ngoam information
xconnect	crossconnect info
session	xc session id
<i>id</i>	Vlan-id of the xc
iodb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
all	show summary info for all sessions

Command Mode

- /exec

show npiv status

show npiv status

Syntax Description

show	Show running system information
npiv	Show information about the npiv feature
status	Show the status of the npiv feature

Command Mode

- /exec

show npv external-interface-usage

show npv external-interface-usage [server-interface <if0>]

Syntax Description

show	Show running system information
npv	Show information about NPV
external-interface-usage	Show external interface usage by server interfaces
server-interface	(Optional) Show external interface usage by a server interface
<i>if0</i>	(Optional)

Command Mode

- /exec

show npv flogi-table

show npv flogi-table [{ interface <if0> | vsan <i0> }]

Syntax Description

show	Show running system information
npv	Show information about NPV
flogi-table	Show information about FLOGI sessions
interface	(Optional) Show information about FLOGI sessions for a server interface
<i>if0</i>	(Optional)
vsan	(Optional) Show information about FLOGI sessions for a VSAN
<i>i0</i>	(Optional)

Command Mode

- /exec

show npv status

show npv status [vsan <i0>]

Syntax Description

show	Show running system information
npv	Show information about NPV
status	Show NPV status
vsan	(Optional) Show NPV status for a specific VSAN
<i>i0</i>	(Optional)

Command Mode

- /exec

show npv traffic-map

show npv traffic-map [server-interface <if0>]

Syntax Description

show	Show running system information
npv	Show information about NPV
traffic-map	Show information about Traffic Map
server-interface	(Optional) Show information about Traffic map for a server interface
<i>if0</i>	(Optional)

Command Mode

- /exec

show ntp access-groups

show ntp access-groups

Syntax Description

show	Show running system information
ntp	Show NTP information
access-groups	Display NTP access groups

Command Mode

- /exec

show ntp authentication-keys

show ntp authentication-keys

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-keys	Display authentication keys

Command Mode

- /exec

show ntp authentication-status

show ntp authentication-status

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-status	NTP Authentication Status

Command Mode

- /exec

show ntp information

show ntp information

Syntax Description

show	Show running system information
ntp	Show NTP information
information	Show ntp information

Command Mode

- /exec

show ntp logging-status

show ntp logging-status

Syntax Description

show	Show running system information
ntp	Show NTP information
logging-status	Display NTP logging status

Command Mode

- /exec

show ntp peer-status

show ntp peer-status

Syntax Description

show	Show running system information
ntp	Show NTP information
peer-status	Show the status for all the server/peers

Command Mode

- /exec

show ntp peers

show ntp peers

Syntax Description

show	Show running system information
ntp	Show NTP information
peers	Show all the peers.

Command Mode

- /exec

show ntp rts-update

show ntp rts-update

Syntax Description

show	Show running system information
ntp	Show NTP information
rts-update	Show if the RTS update is enabled

Command Mode

- /exec

show ntp session status

show ntp session status

Syntax Description

show	Show running system information
ntp	Show NTP information
session	Show the session information
status	Show the session status

Command Mode

- /exec

show ntp source-interface

show ntp source-interface

Syntax Description

show	Show running system information
ntp	Show NTP information
source-interface	Source interface configured

Command Mode

- /exec

show ntp source

show ntp source

Syntax Description

show	Show running system information
ntp	Show NTP information
source	Source IP address configured

Command Mode

- /exec

show ntp statistics

```
show ntp statistics { [ io ] | [ local ] | [ memory ] | peer { ipaddr { <ipv4_0> | <ipv6_1> } | name <s0> } }
```

Syntax Description

show	Show running system information
ntp	Show NTP information
statistics	Show the NTP statistics
io	(Optional) Show the input-output statistics.
local	(Optional) Show the counters maintained by the local NTP.
memory	(Optional) Show the statistics counters related to memory code.
peer	Show the per-peer statistics counter of a peer.
ipaddr	Peer's IP address
<i>ipv4_0</i>	
name	Peer's Name
<i>s0</i>	

Command Mode

- /exec

show ntp status

show ntp status

Syntax Description

show	Show running system information
ntp	Show NTP information
status	Show the NTP distribution status

Command Mode

- /exec

show ntp trusted-keys

show ntp trusted-keys

Syntax Description

show	Show running system information
ntp	Show NTP information
trusted-keys	Display trusted keys

Command Mode

- /exec

show nve adjacency mpls

show nve adjacency mpls

Syntax Description

show	Display NVE information
nve	Configure NVE information
adjacency	Downstream Adjacencies
mpls	Segment routing

Command Mode

- /exec

show nve bfd neighbors

show nve bfd neighbors

Syntax Description

show	Display NVE information
nve	Configure NVE information
bfd	BFD
neighbors	neighbors

Command Mode

- /exec

show nve core-links

show nve core-links

Syntax Description

show	Display NVE information
nve	Configure NVE information
core-links	Core-links

Command Mode

- /exec

show nve ethernet-segment

```
show nve ethernet-segment [ summary ] [ { esi <esi-id> } ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
ethernet-segment	Ethernet-segment
summary	(Optional) Ethernet-segment summary
esi	(Optional) ESI Value
<i>esi-id</i>	(Optional) ESI ID

Command Mode

- /exec

show nve evi

show nve evi

Syntax Description

show	Display NVE information
nve	Configure NVE information
evi	Ethernet Virtual Identifier

Command Mode

- /exec

show nve interface

show nve interface [<nve-if> [detail]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
interface	Interface
<i>nve-if</i>	(Optional) NVE interface
detail	(Optional) Detailed information

Command Mode

- /exec

show nve mpls

show nve mpls

Syntax Description

show	Display NVE information
nve	Configure NVE information
mpls	Segment routing

Command Mode

- /exec

show nve multisite dci-links

show nve multisite dci-links

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
dci-links	dci-links

Command Mode

- /exec

show nve multisite fabric-links

show nve multisite fabric-links

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
fabric-links	fabric-links

Command Mode

- /exec

show nve peers

```
show nve peers [ [ [ interface <nve-if> | peer-ip { <user-peer-ip> | <user-peer-ipv6> } | control-plane | data-plane
] [ detail ] ] | [ control-plane-vni [ vni <vni-id> | peer-ip { <user-peer-ip> | <user-peer-ipv6> } ] ] | [ controller
] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	Show peers
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
detail	(Optional) Detailed information
peer-ip	(Optional) Show a specific peer
<i>user-peer-ip</i>	(Optional) Remote Peer IP address
control-plane	(Optional) Show peers learned via control plane
data-plane	(Optional) Show peers learned via data plane
control-plane-vni	(Optional) Show details of control plane vnis
vni	(Optional) VNI ID
<i>vni-id</i>	(Optional) Virtual Network Identifier
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show nve peers interface counters

```
show nve peers { <addr> | <addr-v6> } interface <nve-if> counters
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
counters	Counters
interface	Interface
<i>nve-if</i>	NVE interface

Command Mode

- /exec

show nve peers mpls

```
show nve peers mpls [ peer-ip { <user-peer-ip> | <user-peer-ipv6> } ] [ detail ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	Show peers
mpls	Segment routing peers
detail	(Optional) Detailed information
peer-ip	(Optional) Show a specific peer
<i>user-peer-ip</i>	(Optional) Remote Peer IP address

Command Mode

- /exec

show nve peers vni interface counters

show nve peers { { <addr> | <addr-v6> } | all } vni { <vni-id> | all } interface <nve-if> counters

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
all	Show counters for all peers/VNIs
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
counters	Counters
interface	Interface
<i>nve-if</i>	NVE interface

Command Mode

- /exec

show nve replication-servers

show nve replication-servers

Syntax Description

show	Display NVE information
nve	Configure NVE information
replication-servers	replication-servers

Command Mode

- /exec

show nve resource-limits multicast

show nve resource-limits multicast

Syntax Description

show	Display NVE information
nve	Configure NVE information
resource-limits	Display resource use and maximums
multicast	Display underlay multicast group use and maximums

Command Mode

- /exec

show nve vni

show nve vni [{ { interface <nve-if> | <vni-id> | all } [detail] } | control-plane | data-plane | summary | controller]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
all	(Optional) Display all VNIs
detail	(Optional) Detailed information
control-plane	(Optional) show vni learned via BGP
data-plane	(Optional) show vni learned via data plane
summary	(Optional) show vni summary
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show nve vni counters

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

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
all	Show counters for all vnis
counters	Counters

Command Mode

- /exec

show nve vni ingress-replication

show nve vni ingress-replication [{ interface <nve-if> | <vni-id> }]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
ingress-replication	ingress-replication
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface

Command Mode

- /exec

show nve vni mdt

```
show nve vni { <vni-id> | all } mdt [ { local | remote | peer-sync } ] [ { <cs> <cg> } | { <cs6> <cg6> } ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
all	Display MDT info for all vnis
mdt	Data MDT(Multicast Distribution Tree)
local	(Optional) Show MDT info for multicast traffic which are learnt locally
remote	(Optional) Show MDT info for multicast traffic which are learnt from remote
peer-sync	(Optional) Show MDT info for multicast traffic which are synced from VPC peers
<i>cs</i>	(Optional) Customer Source IP address
<i>cg</i>	(Optional) Customer Group IPi address

Command Mode

- /exec

show nve vni peer-vtep

```
show nve vni peer-vtep [ { interface <nve-if> | <vni-id> } ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
peer-vtep	Show static peer-vtep configured per vni
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface

Command Mode

- /exec

show nve vrf

show nve vrf [vrf-name]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vrf	VRF name
<i>vrf-name</i>	(Optional) vrf name

Command Mode

- /exec

show nve vrf mdt

```
show nve vrf { <vrfname> | all } mdt [ { local | remote | peer-sync } ] [ { <cs> <cg> } | { <cs6> <cg6> } ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vrf	VRF name
<i>vrfname</i>	VRF name
all	Display MDT info for all VRFs
mdt	Data MDT(Multicast Distribution Tree)
local	(Optional) Show MDT info for multicast traffic which are learnt locally
remote	(Optional) Show MDT info for multicast traffic which are learnt from remote
peer-sync	(Optional) Show MDT info for multicast traffic which are synced from VPC peers
<i>cs</i>	(Optional) Customer Source IP address
<i>cg</i>	(Optional) Customer Group IP address

Command Mode

- /exec

show nve vxlan-params

show nve vxlan-params

Syntax Description

show	Display NVE information
nve	Configure NVE information
vxlan-params	VxLAN Parameters

Command Mode

- /exec

show nxapi-server logs

show nxapi-server logs

Syntax Description

show	Show running system information
nxapi-server	Show NX-API Server
logs	Show NX-API Server logs

Command Mode

- /exec

show nxapi

show nxapi

Syntax Description

show	Show running system information
nxapi	Show nxapi status

Command Mode

- /exec



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show object-group

show object-group [<obj-name>]

Syntax Description

show	Show running system information
object-group	Show configured ACL object groups
<i>obj-name</i>	(Optional) object-group name

Command Mode

- /exec

show ospfv3

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ospfv3 border-routers

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] border-routers [ all_routes ] [
vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
border-routers	Border routers
all_routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ospfv3 database

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ [ [ [ router | network
| intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [ [ { link | link-unknown |
grace } [ <interface> ] ] ] ] [ area <area-id-ip> ] ] | external [ tag <tag_val> ] | as-unknown [ <lsid> ] [
self-originated | adv-router <adv-id> | adv-router-name <adv-name> ] ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
router	(Optional) Display router LSAs
network	(Optional) Display network LSAs
inter-area	(Optional) Display inter-area LSAs
iprefix	(Optional) Display Inter-Area-Prefix LSAs
irouter	(Optional) Display Inter-Area-Router LSAs
nssa-external	(Optional) Display NSSA-external LSAs
area-unknown	(Optional) Display area-scope unknown LSAs
external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs
interface	(Optional) OSPF enabled interface
intra-area-prefix	(Optional) Display Intra-Area-Prefix LSAs

self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
tag	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value

Command Mode

- /exec

show ospfv3 database database-summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database database-summary
[ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
database-summary	Summary of database

Command Mode

- /exec

show ospfv3 database detail

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ [ [ router | network | intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [ [ { link | link-unknown | grace } [ <interface> ] ] ] ] [ area <area-id-ip> ] ] | external [ tag <tag_val> ] | as-unknown ] [ <lsid> ] [ self-originated | adv-router <advid> | adv-router-name <adv-name> ] detail [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
router	(Optional) Display router LSAs
network	(Optional) Display network LSAs
inter-area	(Optional) Display inter-area LSAs
iprefix	(Optional) Display Inter-Area-Prefix LSAs
irouter	(Optional) Display Inter-Area-Router LSAs
nssa-external	(Optional) Display NSSA-external LSAs
area-unknown	(Optional) Display area-scope unknown LSAs
external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs
<i>interface</i>	(Optional) OSPF enabled interface
intra-area-prefix	(Optional) Display Intra-Area-Prefix LSAs

self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
tag	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
detail	Display LSA in detail

Command Mode

- /exec

show ospfv3 interface

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface [ <interface> | vrf {
<vrf-name> | <vrf-known-name> | all } ] [ private ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
<i>interface</i>	(Optional) OSPF enabled interface
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ospfv3 interface brief

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface brief [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
brief	Display summary of OSPFv3 interfaces

Command Mode

- /exec

show ospfv3 neighbors

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ { { <interface> [ <neighbor> | <neighbor-name> ] } | { [ <neighbor> | <neighbor-name> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
<i>neighbor-name</i>	(Optional) DNS Name of the neighbor

Command Mode

- /exec

show ospfv3 neighbors detail

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ <interface> ] [ <neighbor> ] detail [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ private ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
detail	Show detailed neighbor display
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ospfv3 neighbors summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ <interface> ]
summary [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
summary	Summary of neighbors

Command Mode

- /exec

show ospfv3 request-list

show [ipv6] ospfv3 [<tag>] request-list { <ip-addr> | <neighbor-name> } <interface>

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
request-list	Link state request list
<i>interface</i>	OSPF enabled interface
<i>ip-addr</i>	Neighbor router ID
<i>neighbor-name</i>	DNS Name of the neighbor

Command Mode

- /exec

show ospfv3 retransmission-list

show [ipv6] ospfv3 [<tag>] retransmission-list { <routerid> | <router-name> } <interface>

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
retransmission-list	Link state retransmission list
<i>routerid</i>	Neighbor router ID
<i>router-name</i>	DNS Name of the router
<i>interface</i>	OSPF enabled interface

Command Mode

- /exec

show ospfv3 route

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] route [ <ipv6-prefix> [
longer-prefixes ] ] [ all_routes ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
all_routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)

Command Mode

- /exec

show ospfv3 route summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] route [ <ipv6-prefix> [
longer-prefixes ] ] summary [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts

Command Mode

- /exec

show ospfv3 statistics

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Event counters

Command Mode

- /exec

show ospfv3 summary-address

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] summary-address [ private ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
summary-address	Summary-address redistribution information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)

Command Mode

- /exec

show ospfv3 traffic

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> [ detail ]
| [ detail ] | [ detail ] vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
<i>interface</i>	(Optional) OSPF enabled interface
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Packet counters

Command Mode

- /exec

show ospfv3 virtual-links

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] virtual-links [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information

Command Mode

- /exec

show ospfv3 virtual-links brief

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] virtual-links brief [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information
brief	Display summary of OSPFv3 virtual links

Command Mode

- /exec

show otv isis

```
show otv isis [ <otv-isis-tag> ] [ vpn { <vrf-name> | all } ] [ process | protocol ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) Display information for all VRFs
process	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
protocol	(Optional) Display IS-IS process information

Command Mode

- /exec

show otv isis active-source

```
show otv isis [ <otv-isis-tag> ] active-source [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr> ] ] ] [
summary ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
active-source	Display IS-IS Active-source information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
summary	(Optional) Display route counts

Command Mode

- /exec

show otv isis adjacency

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

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
adjacency	Display IS-IS adjacency information
<i>interface</i>	(Optional) IS-IS interface
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
detail	(Optional) Display IS-IS adjacency detail information
summary	(Optional) Display IS-IS adjacency summary information

Command Mode

- /exec

show otv isis aed-svr-req local

```
show otv isis [ <otv-isis-tag> ] aed-svr-req { local | remote }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
aed-svr-req	Display aed svr req Info
local	local
remote	remote

Command Mode

- /exec

show otv isis database

```
show otv isis [ <otv-isis-tag> ] [ site ] database [ mgroup ] [ detail | advertise | summary ] [ <lid> ] { [
zero-sequence ] | [ adjacency <adj-id> ] } [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site	(Optional) Display IS-IS OTV site information
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
database	Display IS-IS database information
mgroup	(Optional) Display IS-IS GM database information
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
detail	(Optional) Display detailed IS-IS information
advertise	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	(Optional) Display summary IS-IS information
zero-sequence	(Optional) LSP with zero sequence number
adjacency	(Optional) Adjacency filter
<i>adj-id</i>	(Optional) Single exact match adjacency filter

Command Mode

- /exec

show otv isis ed-summary local

show otv isis [<otv-isis-tag>] ed-summary local

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
ed-summary	Display ED Summary Info
local	local

Command Mode

- /exec

show otv isis ed-summary remote

```
show otv isis [ <otv-isis-tag> ] ed-summary remote [ site-identifier { <site-id-mac> | <site-id-hex> } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
ed-summary	Display ED Summary Info
remote	remote
site-identifier	(Optional) site-identifier
<i>site-id-mac</i>	(Optional) Site ID in MAC address format
<i>site-id-hex</i>	(Optional) Site ID in hex

Command Mode

- /exec

show otv isis fast-flood

```
show otv isis [ <otv-isis-tag> ] fast-flood
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
fast-flood	Fast flood the LSP's

Command Mode

- /exec

show otv isis hostname

```
show otv isis [ <otv-isis-tag> ] hostname [ detail ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
hostname	Display IS-IS hostname table information
detail	(Optional) Display detailed IS-IS information

Command Mode

- /exec

show otv isis interface

```
show otv isis [ <otv-isis-tag> ] interface [ brief | <interface> ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
brief	(Optional) Brief display of IS-IS interfaces
interface	Display IS-IS interface information
<i>interface</i>	(Optional) IS-IS interface

Command Mode

- /exec

show otv isis ip mroute

```
show otv isis [ <otv-isis-tag> ] ip mroute [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr> ] ] ] [
summary ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ip	Display IS-IS IPv4 information
mroute	Display IS-IS multicast group information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
summary	(Optional) Display route counts

Command Mode

- /exec

show otv isis ip redistribute mroute

```
show otv isis [ <otv-isis-tag> ] ip redistribute mroute [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr> ] ] ] [ summary ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ip	Display IS-IS IPv4 information
redistribute	Display IS-IS redistribute information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
mroute	Display IS-IS multicast group information
summary	(Optional) Display route counts

Command Mode

- /exec

show otv isis redistribute route

```
show otv isis [ <otv-isis-tag> ] [ mac ] redistribute route [ summary ] [ direct-mask ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
mac	(Optional) Display IS-IS MAC information
summary	(Optional) Display route counts
direct-mask	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show otv isis route-map statistics

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

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
route-map	Display IS-IS route-map information
statistics	Display IS-IS route-map statistics

Command Mode

- /exec

show otv isis route

```
show otv isis [ <otv-isis-tag> ] route [ summary | detail | is ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
is	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
route	Display IS-IS route information
summary	(Optional) Display route counts
detail	(Optional) Display detail route information

Command Mode

- /exec

show otv isis rrm

```
show otv isis [ <otv-isis-tag> ] rrm [ mgroup ] <interface> [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
rrm	Display IS-IS Retransmit-Routing-Message information
mgroup	(Optional) Display IS-IS GM Retransmit-Routing-Message information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show otv isis site-index

show otv isis [<otv-isis-tag>] site-index

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site-index	Display site index table

Command Mode

- /exec

show otv isis site

```
show otv isis [ <otv-isis-tag> ] site [ statistics ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site	Display IS-IS OTV site information
statistics	(Optional) Display IS-IS protocol statistics

Command Mode

- /exec

show otv isis spf-log

```
show otv isis [ <otv-isis-tag> ] spf-log [ detail ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
spf-log	Display IS-IS SPF information
detail	(Optional) Display detail ISIS SPF information

Command Mode

- /exec

show otv isis srm

```
show otv isis [ <otv-isis-tag> ] srm [ mgroup ] <interface> [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
srm	Display IS-IS Send-Routing-Message information
mgroup	(Optional) Display IS-IS GM-Send-Routing-Message information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show otv isis ssn

```
show otv isis [ <otv-isis-tag> ] ssn [ mgroup ] <interface> [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ssn	Display IS-IS Send-Sequence-Number information
mgroup	(Optional) Display IS-IS GM-Send-Sequence-Number information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show otv isis statistics

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

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
statistics	Display IS-IS protocol statistics
<i>interface</i>	(Optional) IS-IS interface

Command Mode

- /exec

show otv isis track-adjacency-nexthop

show otv isis [<otv-isis-tag>] track-adjacency-nexthop

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
track-adjacency-nexthop	Display IS-IS OTV adjacency nexthop tracking information

Command Mode

- /exec

show otv isis traffic

```
show otv isis [ <otv-isis-tag> ] traffic [ <interface> ] [ mbuf-priority ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
traffic	Display IS-IS traffic information
<i>interface</i>	(Optional) IS-IS interface
mbuf-priority	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show otv isis vlan-status local

```
show otv isis [ <otv-isis-tag> ] vlan-status { local | remote }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vlan-status	Display vlan status Info
local	local
remote	remote

Command Mode

- /exec

```
show otv isis vlan-status local
```




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show param-list

```
show param-list [ param-list-name <plistname> ] [ show-instance ]
```

Syntax Description

show	Show running system information
param-list	Show param-list
param-list-name	(Optional) param list name
<i>plistname</i>	(Optional) Enter the name of the param-list
show-instance	(Optional) show instances for the param list

Command Mode

- /exec

show password secure-mode

show password secure-mode

Syntax Description

show	Show running system information
password	Password for the user
secure-mode	secure mode for changing passwords

Command Mode

- /exec

show password strength-check

show password strength-check

Syntax Description

show	Show running system information
password	Password for the user
strength-check	Strength check of password

Command Mode

- /exec

show pie broker

show pie broker { clients | subscriptions | timers | events | event-stats | drp }

Syntax Description

show	Show running system information
pie	Show information about pie
broker	Show information about broker
clients	Show information about pie clients
subscriptions	Show subscriptions
timers	Show all timers
events	Show all events
event-stats	Show event stats
drp	Show data retention policy for events

Command Mode

- /exec

show pie envmon

```
show pie envmon { psu { all | <psuid> } | fan | sensor [ module <module> ] | cpu-usage [ module <module> ] | mem-usage [ module <module> ] } [ detail ] [ count <num_events> ]
```

Syntax Description

show	Show running system information
pie	Show information about pie
envmon	Show environment monitoring insights information
psu	Show power-supply insights
all	Show all PSU insights
<i>psuid</i>	
fan	Show fan insights
sensor	Show sensor insights
cpu-usage	Show cpu usage insights
mem-usage	Show memory usage insights
detail	(Optional) Show insights details
count	(Optional) Show N number of events
<i>num_events</i>	(Optional) 0 -- Unlimited N -- num of events
module	(Optional) Show pie events for this module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show pie eventdb

```
show pie eventdb { all | link-flaps | link-down | link-flap-rca | link-down-rca | ssd-cur | ssd-overall | ssd-summary
| ssd-smartctl [ insights ] | dom | dom_db | dom_xthres | cpu-usage [ insights ] | mem-usage [ insights ] | psu
[ insights ] | fan [ insights ] | sensor [ insights ] } [ module <module> ] [ detail ] [ count <num_events> ]
```

Syntax Description

show	Show running system information
pie	Show information about pie
eventdb	Show pie events from eventdb
all	Show all classes of events
link-flaps	Show link-flap events
link-down	Show link-down events
link-flap-rca	Show link-flap rca
link-down-rca	Show link-down rca
ssd-cur	Show SSD Current Stat events
ssd-overall	Show SSD Overall Stat events
ssd-summary	Show SSD aggregate summary events
ssd-smartctl	Show SSD smartctl events
dom	Show xcvr dom
dom_db	Show xcvr dom DB
dom_xthres	Show xcvr dom xthres
cpu-usage	Show cpu usage events
insights	(Optional) Show insights events
mem-usage	Show memory usage events
psu	Show power-supply events
fan	Show fan events
sensor	Show sensor events
detail	(Optional) Show event details
count	(Optional) Show N number of events
<i>num_events</i>	(Optional) 0 -- Unlimited N -- num of events

module	(Optional) Show pie events for this module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show pie eventid

show pie eventid <eventid>

Syntax Description

show	Show running system information
pie	Show information about pie
eventid	Show information about this eventid
<i>eventid</i>	event id

Command Mode

- /exec

show pie interface

show pie interface <iface> { link-flap-rca | link-down-rca | transceiver-insights } [detail]

Syntax Description

show	Show running system information
pie	Show information about pie
interface	Interface events
<i>iface</i>	interface
link-flap-rca	Show link-flap events
link-down-rca	Show link-down reason
transceiver-insights	Show optics health
detail	(Optional) Show event details

Command Mode

- /exec

show platform vnic info

show platform vnic info

Syntax Description

show	Show running system information
platform	Platform specific commands
vnic	Virtual Network Interface Card
info	Show general VNIC information

Command Mode

- /exec

show platform vnic mapped

show platform vnic mapped [module <module-num>]

Syntax Description

show	Show running system information
platform	Platform specific commands
vnic	Virtual Network Interface Card
mapped	Show mapped interfaces

Command Mode

- /exec

show pmap-int-br interface br

show pmap-int-br interface br

Syntax Description

show	Show running system information
pmap-int-br	Show policy maps
interface	Show service policy on interface
br	Brief report of all policies attached to interfaces
TABLE_ifvlanstr	(Optional) all interfaces xml sessions
<i>if-vlan-str</i>	(Optional) ifindex or vlan id: xml key

Command Mode

- /exec

show pmap-int

show pmap-int { interface [<iface-list>] [input | output] [type <qos-or-q>] [detail] |

Syntax Description

show	Show running system information
pmap-int	Show policy maps
interface	Show service policy on interface
<i>iface-list</i>	(Optional) List of Interface
input	(Optional) Input Service policy
output	(Optional) Output Service policy
type	(Optional) Type of policy
<i>qos-or-q</i>	(Optional)
detail	(Optional) Detailed QoS or Queuing statistics

Command Mode

- /exec

show pnp lease

show pnp lease

Syntax Description

show	Show running system information
pnp	Plug and Play
lease	Show PnP lease information

Command Mode

- /exec

show pnp posix_pi configs

show pnp posix_pi configs

Syntax Description

show	Show running system information
pnp	Plug and Play
posix_pi	Posix PnP PI agent
configs	Posix PnP PI configuration

Command Mode

- /exec

show pnp posix_pi tech-support

show pnp posix_pi tech-support

Syntax Description

show	Show running system information
pnp	Plug and Play
posix_pi	Posix PnP PI agent
tech-support	Technical Support

Command Mode

- /exec

show pnp profiles

show pnp profiles

Syntax Description

show	Show running system information
pnp	Plug and Play
profiles	Show POSIX PnP Profile

Command Mode

- /exec

show pnp status

show pnp status

Syntax Description

show	Show running system information
pnp	Plug and Play
status	Show POSIX PnP Status

Command Mode

- /exec

show pnp summary

show pnp summary

Syntax Description

show	Show running system information
pnp	Plug and Play
summary	Show POSIX PnP Summary

Command Mode

- /exec

show pnp version

show pnp version

Syntax Description

show	Show running system information
pnp	Plug and Play
version	Show POSIX PnP Version

Command Mode

- /exec

show policy-map

show policy-map [{ [type qos] [<pmap-name-qos>] } | { type queuing [<pmap-name-que>] }]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	(Optional) Type of the policy-map
qos	(Optional) type qos
queuing	(Optional) type queuing
<i>pmap-name-qos</i>	(Optional) policy map name (type qos)
<i>pmap-name-que</i>	(Optional) policy map name (type queuing)

Command Mode

- /exec

show policy-map interface control-plane

```
show policy-map interface control-plane { [ module <slot-no-in> [ class <cmap-name> ] ] | [ class <cmap-name> [ module <slot-no-in> ] ] }
```

Syntax Description

show	Show running system information
policy-map	Show policy maps
interface	Show service policy on interface
control-plane	command is for copp policy
module	(Optional) module number for statistics
class	(Optional) class-name name
<i>cmap-name</i>	(Optional) Name of the class-map
<i>pmap-name</i>	(Optional) Name of the Policy-map

Command Mode

- /exec

show policy-map system

show policy-map system [type { network-qos | qos [input2] | queuing [input | output] }]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	(Optional) Type of the policy-map
system	Active policy in the system
network-qos	(Optional) type network-qos
qos	(Optional) type qos
input2	(Optional) input policy
queuing	(Optional) type queuing
input	(Optional) input policy
output	(Optional) output policy

Command Mode

- /exec

show policy-map type control-plane

```
show policy-map type control-plane [ expand ] [ { name <pmap-name> } ]
```

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
control-plane	command is for copp policy
expand	(Optional) Display the match-criterias along with class-map
name	(Optional) policy-map name
<i>pmap-name</i>	(Optional) Name of the Policy-map

Command Mode

- /exec

show policy-map type network-qos

show policy-map type network-qos [<pmap-name-nq>]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
<i>pmap-name-nq</i>	(Optional) Policy-map name
network-qos	type network-qos

Command Mode

- /exec

show port-channel capacity

show port-channel capacity

Syntax Description

show	Show running system information
port-channel	Show port-channel information
capacity	Capacity information

Command Mode

- /exec

show port-channel compatibility-parameters

show port-channel compatibility-parameters

Syntax Description

show	Show running system information
port-channel	Show port-channel information
compatibility-parameters	Show compatibility parameters

Command Mode

- /exec

show port-channel database

show port-channel database [interface <if0>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
database	Show port-channel database
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)

Command Mode

- /exec

show port-channel fast-convergence

show port-channel fast-convergence

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
fast-convergence	Show port-channel fast-convergence status

Command Mode

- /exec

show port-channel load-balance

```
show port-channel load-balance { [ module <module> ] | { fex { all } } }
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
load-balance	Show port-channel load balance
module	(Optional) slot
<i>module</i>	(Optional) Specify a module number
fex	FEX devices
all	Display all configured FEX port-channel LB

Command Mode

- /exec

show port-channel load-balance forwarding-path1 interface src-interface

```
show port-channel load-balance forwarding-path1 interface <ch-id> src-interface <src-if> { vlan <vlan-id> |
src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> | dst-ipv6
<dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ether-type <ethertype> | ip-prot <prot> }
+
```

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
forwarding-path1	Packet forwarding information
interface	Specify a port-channel number
<i>ch-id</i>	Port-Channel name
vlan	VLAN - for dot1Q tagged packets at ingress
<i>vlan-id</i>	VLAN ID
src-mac	Source MAC Address
<i>src-mac</i>	Source MAC address
dst-mac	Destination MAC Address
<i>dst-mac</i>	Destination MAC address
src-ip	Source IP address
<i>src-ip</i>	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
l4-src-port	Source Port
<i>l4-src-port</i>	Source L4 port
l4-dst-port	Destination Port
<i>l4-dst-port</i>	Destination L4 port

<code>ether-type</code>	Ethernet Type
<i>ethertype</i>	Ethernet Type
<code>src-interface</code>	Optional source interface (physical switch port only)
<i>src-if</i>	Interface name
<code>ip-proto</code>	IP v4/v6 Protocol
<i>prot</i>	IP Protocol

Command Mode

- /exec

show port-channel load-balance forwarding-path interface

```
show port-channel load-balance forwarding-path { interface <ch-id> | hgig } { src-interface <src-if> | vlan
<vlan-id> | src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> |
dst-ipv6 <dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ethertype <ethertype> | protocol
<prot> | gtp-teid <gtp-teid> | ipv6-flow-label <ipv6-flow-label> } + [ module <module> | fex <fex-range> |
hgig-tgid <tgid> ] + [ source-interface <if-id> ]
```

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
forwarding-path	Packet forwarding information
interface	Specify a port-channel number
<i>ch-id</i>	Port-Channel name
hgig	Higig hashing result (only with RTAG7)
vlan	VLAN of the ingress packet i.e. when available
<i>vlan-id</i>	
src-mac	Source MAC Address
<i>src-mac</i>	Source MAC address
dst-mac	Destination MAC Address
<i>dst-mac</i>	Destination MAC address
src-ip	Source IPv4 address
<i>src-ip</i>	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
l4-src-port	Source L4 port
<i>l4-src-port</i>	Source L4 port
l4-dst-port	Destination l4 port
<i>l4-dst-port</i>	Destination L4 port

ethertype	Ethertype of the packet stream
<i>ethertype</i>	
src-interface	Optional source interface (physical switch port only)
<i>src-if</i>	Interface name
source-interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>if-id</i>	(Optional) Interface name
protocol	Protocol
<i>prot</i>	
gtp-teid	gtp-teid
<i>gtp-teid</i>	gtp-teid
ipv6-flow-label	ipv6-flow-label
<i>ipv6-flow-label</i>	ipv6-flow-label
module	(Optional) Module #
<i>module</i>	(Optional)
fex	(Optional) FEX devices
<i>fex-range</i>	(Optional) FEX device range
hgig-tgid	(Optional) Hgig #
<i>tgid</i>	(Optional)

Command Mode

- /exec

show port-channel load-balance hardware forwarding-path interface source

```
show port-channel load-balance hardware forwarding-path { interface <ch-id> | hgig } { source-interface <if-id> } { vlan <vlan-id> | src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> | dst-ipv6 <dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ethertype <ethertype> | protocol <prot> } + [ module <module> | fex <fex-range> | hgig-tgid <tgid> ]
```

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
hardware	ASIC hardware based information
forwarding-path	Packet forwarding information
interface	Specify a port-channel number
<i>ch-id</i>	Port-Channel name
hgig	Higig hashing result (only with RTAG7)
source-interface	Source interface - Required paramter
<i>if-id</i>	Interface name
vlan	VLAN of the ingress packet i.e. when available
<i>vlan-id</i>	
src-mac	Source MAC Address
<i>src-mac</i>	Source MAC address
dst-mac	Destination MAC Address
<i>dst-mac</i>	Destination MAC address
src-ip	Source IPv4 address
<i>src-ip</i>	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address

<code>l4-src-port</code>	Source L4 port
<i>l4-src-port</i>	Source L4 port
<code>l4-dst-port</code>	Destination L4 port
<i>l4-dst-port</i>	Destination L4 port
<code>ethertype</code>	Ethertype of the packet stream
<i>ethertype</i>	
<code>protocol</code>	Protocol
<i>prot</i>	
<code>module</code>	(Optional) Module #
<i>module</i>	(Optional)
<code>fex</code>	(Optional) FEX devices
<i>fex-range</i>	(Optional) FEX device range
<code>hgig-tgid</code>	(Optional) Hgig #
<i>tgid</i>	(Optional)

Command Mode

- /exec

show port-channel rbh-distribution

show port-channel rbh-distribution [interface <if0>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
rbh-distribution	Show RBH distribution for member ports
interface	(Optional) Specify a port-channel interface
<i>if0</i>	(Optional)

Command Mode

- /exec

show port-channel scale-fanout

show port-channel scale-fanout

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
scale-fanout	Enable/disable port-channel scale-fanout when ports span more than 16 ASIC units

Command Mode

- /exec

show port-channel summary

show port-channel [extended-list] summary [interface <if0> | controller]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
extended-list	(Optional) Show port-channels from extended range
summary	Show port-channel summary
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)
controller	(Optional) Show controller configured port-channels

Command Mode

- /exec

show port-channel traffic

show port-channel traffic [interface <if0>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
traffic	Show port-channel traffic statistics

Command Mode

- /exec

show port-channel usage

show port-channel usage

Syntax Description

show	Show running system information
port-channel	Show port-channel information
usage	Show port-channel number usage

Command Mode

- /exec

show port-license

show port-license

Syntax Description

show	Show running system information
port-license	Show port license information

Command Mode

- /exec

show port-profile

show port-profile [name <all_profile_name>]

Syntax Description

show	Show running system information
port-profile	Show port-profile
name	(Optional) port-profile name
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show port-profile brief

show port-profile brief

Syntax Description

show	Show running system information
port-profile	Show port-profile
brief	Brief info about profiles

Command Mode

- /exec

show port-profile expand-interface

show port-profile expand-interface [name <all_profile_name>]

Syntax Description

show	Show running system information
port-profile	Show port-profile
expand-interface	Active profile config applied in a interface
name	(Optional) port-profile name
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show port-profile sync-status

show port-profile sync-status [interface <intfname>]

Syntax Description

show	Show running system information
port-profile	Show port-profile
sync-status	Interfaces out-of-sync with port-profiles
interface	(Optional) Interface name
<i>intfname</i>	(Optional) Name of interface

Command Mode

- /exec

show port-profile usage

show port-profile usage [name <all_profile_name>]

Syntax Description

show	Show running system information
port-profile	Show port-profile
usage	List of interfaces inherited a profile
name	(Optional) port-profile name
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show port-security

show port-security

Syntax Description

port-security	Show secure port information
---------------	------------------------------

Command Mode

- /exec

show port-security address

show port-security address

Syntax Description

port-security	Show secure port information
address	Show secure address

Command Mode

- /exec

show port-security address interface

show port-security address interface <interface-id>

Syntax Description

port-security	Show secure port information
address	Show secure address
interface	Show secure interface
<i>interface-id</i>	ethernet

Command Mode

- /exec

show port-security interface

show port-security interface <interface-id>

Syntax Description

port-security	Show secure port information
interface	Show secure interface
<i>interface-id</i>	ethernet

Command Mode

- /exec

show port-security state

show port-security state

Syntax Description

port-security	Port security related command
state	port security state

Command Mode

- /exec

show port led-status module

show port <port_num> led-status module <module>

Syntax Description

show	Show running system information
port	port
<i>port_num</i>	port number
led-status	led-status of the port
module	module
<i>module</i>	module number

Command Mode

- /exec

show port naming

show port naming

Syntax Description

show	Show running system information
port	Show port information
naming	Show port naming information

Command Mode

- /exec

show postcard-telemetry exporter

show postcard-telemetry exporter [name] [<exportername>]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
exporter	Show POSTCARD Exporter Configuration
name	(Optional) Show a specific POSTCARD Exporter
<i>exportername</i>	(Optional) Specify an exporter

Command Mode

- /exec

show postcard-telemetry flow-profile

show postcard-telemetry flow-profile [name] [<flow-profilename>]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
flow-profile	Show POSTCARD flow Profile Configuration
name	(Optional) Show a specific POSTCARD flow Profile
<i>flow-profilename</i>	(Optional) Specify an flow Profile

Command Mode

- /exec

show postcard-telemetry monitor

show postcard-telemetry monitor [name] [<monitorname> [cache [detailed]]]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
monitor	Show Monitor Configuration
name	(Optional) Show a specific POSTCARD Monitor
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show postcard-telemetry queue-profile

show postcard-telemetry queue-profile [name] [<queue-profilename>]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
queue-profile	Show POSTCARD Queue Profile Configuration
name	(Optional) Show a specific POSTCARD Queue Profile
<i>queue-profilename</i>	(Optional) Specify an Queue Profile

Command Mode

- /exec

show postcard-telemetry sessions

show postcard-telemetry sessions [<monitorname>]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
sessions	Show Session Configuration
<i>monitorname</i>	(Optional) Specify a monitor

Command Mode

- /exec

show postcard-telemetry watchlist

```
show postcard-telemetry watchlist [ name ] [ { <watchlistname> } ]
```

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
watchlist	Show watchlist Configuration
name	(Optional) Show the configuration for a specific POSTCARD Record
<i>watchlistname</i>	(Optional) Specify a watchlist

Command Mode

- /exec

show power inline

show power inline

Syntax Description

show	Show running system information
power	Power over Ethernet

Command Mode

- /exec

show power inline

show power inline <if0>

Syntax Description

show	Show running system information
power	Power over Ethernet
<i>if0</i>	

Command Mode

- /exec

show power inline detail

show power inline <inf> detail

Syntax Description

show	Show running system information
power	Power over Ethernet
<i>inf</i>	
detail	PoE details

Command Mode

- /exec

show power inline police

show power inline police

Syntax Description

show	Show running system information
power	Power over Ethernet
police	Show per-port policing

Command Mode

- /exec

show power inline priority

show power inline priority

Syntax Description

show	Show running system information
power	Power over Ethernet
priority	Show per-port priority

Command Mode

- /exec

show processes

show processes

Syntax Description

show	Show running system information
processes	Show processes

Command Mode

- /exec

show processes cpu

show processes cpu [sort]

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
sort	(Optional) Show processes CPU Info (Sorted by Cpu Util with time base)

Command Mode

- /exec

show processes cpu history

show processes cpu history

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
history	Show processes CPU Util History

Command Mode

- /exec

show processes cpu history data

show processes cpu history data

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
history	Show processes CPU Util History
data	Display the CPU util as data, instead of graph

Command Mode

- /exec

show processes cpu module

show processes cpu module <i0>

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
module	processes CPU Info
<i>i0</i>	module number

Command Mode

- /exec

show processes log

show processes log

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs

Command Mode

- /exec

show processes log details

show processes log details

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
details	Show detail of all logs with stack

Command Mode

- /exec

show processes log pid

show processes log pid <i0>

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
pid	Show detail log info about a specific process
<i>i0</i>	pid of the process

Command Mode

- /exec

show processes log vdc-all

show processes log vdc-all

Syntax Description

TABLE_processes_log_vdc_all	(Optional) all processes log vdc all
show	Show running system information
processes	Show processes
log	Show information about process logs
vdc-all	Show information about process logs in all vdc's

Command Mode

- /exec

show processes memory

show processes memory

Syntax Description

show	Show running system information
processes	Show processes
memory	Show processes Memory Info

Command Mode

- /exec

show processes memory physical

show processes memory physical

Syntax Description

show	Show running system information
processes	Show processes
memory	Show processes Memory Info
physical	Show processes physical Memory

Command Mode

- /exec

show processes memory shared

show processes memory shared [detail | dynamic]

Syntax Description

show	Show running system information
processes	Display process information
memory	Display memory information
shared	Display shared memory info
detail	(Optional) Display shared memory in bytes instead of default kbytes
dynamic	(Optional) Display details of dynamic shared memory segments

Command Mode

- /exec

show processes vdc

show processes vdc <e-vdc2>

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>

Command Mode

- /exec

show processes vdc cpu

show processes vdc <e-vdc2> cpu

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
cpu	Show processes CPU Info

Command Mode

- /exec

show processes vdc log

show processes vdc <e-vdc2> log

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Show information about process logs

Command Mode

- /exec

show processes vdc log details

show processes vdc <e-vdc2> log details

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
details	Show detail of all logs with stack

Command Mode

- /exec

show processes vdc log pid

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

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
pid	Show detail log info about a specific process
<i>i1</i>	pid of the process

Command Mode

- /exec

show processes vdc memory

show processes vdc <e-vdc2> memory

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
memory	Show processes Memory Info

Command Mode

- /exec

show pss debug

show pss debug

Syntax Description

show	Show running system information
pss	display pss information
debug	display pss debug configuration

Command Mode

- /exec

show ptp brief

show ptp brief

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
brief	port states in brief

Command Mode

- /exec

show ptp clock

show ptp clock

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Set local clock attributes

Command Mode

- /exec

show ptp clock foreign-masters record

show ptp clock foreign-masters record [interface <if0>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Set local clock attributes
foreign-masters	foreign-masters
record	record
<i>if0</i>	(Optional)

Command Mode

- /exec

show ptp corrections

show ptp corrections [entries <val>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
-----	---

Command Mode

- /exec

show ptp cost

show ptp cost [interface <if0>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
cost	port costs
<i>if0</i>	(Optional)

Command Mode

- /exec

show ptp counters interface

```
show ptp counters { interface <if0> | all } [ { detail | ipv4 <ip> | ipv6 <ip6> } ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
-----	---

Command Mode

- /exec

show ptp delay summary

show ptp delay summary

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay	delay
summary	summary

Command Mode

- /exec

show ptp detail

show ptp detail

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
detail	port info in detail

Command Mode

- /exec

show ptp domain data

show ptp domain data

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp domain number
data	ptp domain data

Command Mode

- /exec

show ptp interface domain

show ptp interface domain

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
interface	port
domain	ptp port domain

Command Mode

- /exec

show ptp packet-trace

show ptp packet-trace

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
-----	---

Command Mode

- /exec

show ptp parent

show ptp parent

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
parent	parent clock

Command Mode

- /exec

show ptp port interface

show ptp port interface <if0>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
port	port
interface	Enter the port interface
<i>if0</i>	

Command Mode

- /exec

show ptp time-property

show ptp time-property

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
time-property	time property

Command Mode

- /exec

show ptp unicast-negotiation

show ptp unicast-negotiation [interface <if0>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
unicast-negotiation	unicast-negotiation
<i>if0</i>	(Optional)

Command Mode

- /exec



Q Show Commands

- [show qos dcbxp incompatibility interface, on page 1776](#)
- [show qos dcbxp info, on page 1777](#)
- [show qos dcbxp interface, on page 1778](#)
- [show qos shared-policer, on page 1779](#)
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- [show queuing pfc-queue snmp ifIndex, on page 1785](#)
- [show queuing tabular, on page 1786](#)
- [show queuing tah-pfc-queue, on page 1787](#)

show qos dcbxp incompatibility interface

show qos dcbxp incompatibility interface <iface-num>

Syntax Description

show	Show running system information
dcbxp	DCBXP
incompatibility	incompatibility information
interface	incompatibility info for interface
<i>iface-num</i>	Interface

Command Mode

- /exec

show qos dcbxp info

show qos dcbxp info

Syntax Description

show	Show running system information
dcbxp	DCBXP
info	information

Command Mode

- /exec

show qos dcbxp interface

show qos dcbxp interface [<iface>]

Syntax Description

show	Show running system information
qos	QoS
dcbxp	DCBXP
interface	Per-interface information
<i>iface</i>	(Optional) Interface

Command Mode

- /exec

show qos shared-policer

```
show qos shared-policer [ type qos1 ] [ <policer-name> ]
```

Syntax Description

show	Show running system information
shared-policer	Shared policer
type	(Optional) Type of shared policer
qos1	(Optional) type qos
<i>policer-name</i>	(Optional) Shared policer name

Command Mode

- /exec

show queuing

show queuing [interface [<if_list>]] [summary] [module <module>]

Syntax Description

show	commands to display
queuing	Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
summary	(Optional) summary

Command Mode

- /exec

show queuing burst-detect

```
show queuing burst-detect [ [ interface <if_name> [ queue <queue_num> ] ] [ module <module> ] [ last <val>
seconds ] [ fex <chassis-id> ] [ detail ] [ nir ] [ module <module> ] [ detail ] ]
```

Syntax Description

show	commands to display
queuing	Queuing related information
burst-detect	Out of Band micro-burst queue statistics
interface	(Optional) Interface
<i>if_name</i>	(Optional) interface name
queue	(Optional) Queue number for displaying statistics
<i>queue_num</i>	(Optional) Queue number
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
last	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>val</i>	(Optional) time in seconds
seconds	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
fex	(Optional) FEX id
<i>chassis-id</i>	(Optional) FEX number
detail	(Optional) detailed statistics
<i>if-str</i>	(Optional) Interface name
nir	(Optional) Network Insights Resources database

Command Mode

- /exec

show queuing llfc-queue

show queuing llfc-queue [interface <if_list>] [module <module>] [detail]

Syntax Description

show	commands to display
queuing	Queuing related information
llfc-queue	LLFC Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
detail	(Optional) Show detailed LLFC Queuing WD information

Command Mode

- /exec

show queuing pfc-queue

show queuing pfc-queue [interface <if_list>] [module <module>] [detail]

Syntax Description

show	commands to display
queuing	Queuing related information
pfc-queue	PFC Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
detail	(Optional) Show detailed PFC Queuing WD information

Command Mode

- /exec

show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex

show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex <ifindex>

Syntax Description

show	commands to display
queuing	Queuing related information
pfc-queue	PFC Queuing related information
interface	Interface for displaying queuing config
snmp	commands for snmp
watchdogIfQueueTable	Table
ifIndex	port ifIndex
<i>ifindex</i>	interfaces ifIndex

Command Mode

- /exec

show queuing pfc-queue snmp ifIndex

show queuing pfc-queue snmp ifIndex <ifidx>

Syntax Description

show	Show running system information
queuing	Queuing related information
pfc-queue	PFC Queuing related information
snmp	Snmp information
ifIndex	Interface index
<i>ifidx</i>	Index

Command Mode

- /exec

show queuing tabular

show queuing tabular [non-zero [drop-only]] [interface <if_list>] [module <module>]

Syntax Description

show	commands to display
queuing	Queuing related information
tabular	QoS stats in tabular form
non-zero	(Optional) Interface for non-zero stats
drop-only	(Optional) Interface for non-zero drop-only stats
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show queuing tah-pfc-queue

show queuing tah-pfc-queue [interface <if_list>] [module <module>] [detail]

Syntax Description

show	commands to display
queuing	Queuing related information
tah-pfc-queue	PFC Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
detail	(Optional) Show detailed PFC Queuing WD information

Command Mode

- /exec

■ show queuing tah-pfc-queue



R Show Commands

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show radius-cfs

show radius-cfs

Syntax Description

show	Show running system information
radius-cfs	Show radius cfs state

Command Mode

- /exec

show radius-server

show radius-server

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information

Command Mode

- /exec

show radius-server

show radius-server { <host> }

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
<i>host</i>	DNS name or IP address

Command Mode

- /exec

show radius-server directed-request

show radius-server directed-request

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
directed-request	Show directed server enable configuration

Command Mode

- /exec

show radius-server groups

show radius-server groups [<s0>]

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
groups	Show RADIUS server group configuration information
s0	(Optional) RADIUS server group name

Command Mode

- /exec

show radius-server sorted

show radius-server sorted

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
sorted	Show RADIUS servers sorted by name

Command Mode

- /exec

show radius-server statistics

show radius-server statistics <host0>

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
statistics	Show RADIUS statistics
<i>host0</i>	DNS name or IP address

Command Mode

- /exec

show radius status

show radius status

Syntax Description

show	Show running system information
radius	Show RADIUS Information
status	Show RADIUS cfs distribution status

Command Mode

- /exec

show redundancy status

show redundancy status

Syntax Description

show	
redundancy	Show system redundancy status
status	Current redundancy status

Command Mode

- /exec

show regexp

```
show { ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 { unicast | multicast } ] } regexp <regexp-str> [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	Display BGP information for all address families
regexp	Display routes matching the AS path regular expression
<i>regexp-str</i>	Regular expression to match the AS paths

Command Mode

- /exec

show reload

show reload

Syntax Description

show	Show running system information
reload	Display information about scheduled reload

Command Mode

- /exec

show resource

show resource [<res-mgr-res-known-name>] [hidden-too | with-flags]

Syntax Description

show	Show running system information
resource	Show resource configuration for VDC
<i>res-mgr-res-known-name</i>	(Optional) Resource name
hidden-too	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
with-flags	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show rmon

show rmon { alarms | events | hcalarms | info | logs }

Syntax Description

show	Show running system information
rmon	Display RMON statistics
alarms	Display the RMON alarm table
events	Display the RMON event table
hcalarms	Display the RMON HC(High Capacity) Alarm table
info	Display the RMON info
logs	Display the RMON event log table

Command Mode

- /exec

show role

show role [name <arg3>]

Syntax Description

show	Show running system information
role	Show role configuration
name	(Optional) Enter the role name
<i>arg3</i>	(Optional) Enter the role name

Command Mode

- /exec

show role feature-group

show role feature-group [name <arg4>] [detail]

Syntax Description

show	Show running system information
role	Show role configuration
feature-group	Role feature group
name	(Optional) Enter the feature-group name
<i>arg4</i>	(Optional) Feature-group name
detail	(Optional) Detailed information including feature rules

Command Mode

- /exec

show role feature

show role feature [name <arg5> | detail]

Syntax Description

show	Show running system information
role	Show role configuration
feature	Role feature
name	(Optional) Enter the feature name
<i>arg5</i>	(Optional) Feature name
detail	(Optional) Detailed information including feature rules

Command Mode

- /exec

show role status

show role status

Syntax Description

show	Show running system information
role	Show role configuration
status	Display role status

Command Mode

- /exec

show rollback log exec

show rollback log { exec | verify }

Syntax Description

show	Show running system information
rollback	Show rollback
log	show rollback log
exec	show rollback execution log
verify	show rollback verify log

Command Mode

- /exec

show rollback status

show rollback status

Syntax Description

show	Show running system information
rollback	show rollback
status	show status of last rollback operation

Command Mode

- /exec

show route-map

show route-map [<route-map-name> | <route-map-cfg-name>]

Syntax Description

show	Show running system information
route-map	Route-map information
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-cfg-name</i>	(Optional) Known route-map name

Command Mode

- /exec

show route-map brief

show route-map [<route-map-name> | <route-map-cfg-name>] brief

Syntax Description

show	Show running system information
route-map	Route-map information
brief	Show client list that uses this route-map
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-cfg-name</i>	(Optional) Known route-map name

Command Mode

- /exec

show route-map dynamic

show route-map dynamic [<route-map-name> | <route-map-cfg-name>]

Syntax Description

show	Show running system information
route-map	Route-map information
dynamic	Dynamically created route-map
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-cfg-name</i>	(Optional) Known route-map name

Command Mode

- /exec

show route-map pbr-statistics

```
show route-map { <pbr_rmap_name> | <pbr_rmap_cfg_name> } pbr-statistics
```

Syntax Description

show	Show running system information
route-map	Route-map information
<i>pbr_rmap_name</i>	Route-map name
<i>pbr_rmap_cfg_name</i>	Known route-map name
pbr-statistics	PBR statistics

Command Mode

- /exec

show router-guard

```
show router-guard [ vlan <vlan_id> ]
```

Syntax Description

show	Show running system information
router-guard	Shows router guard config details for all interfaces
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID

Command Mode

- /exec

show router-guard

```
show router-guard [ vlan <vlan_id> ]
```

Syntax Description

show	Show running system information
router-guard	Shows router guard config details for all interfaces
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID

Command Mode

- /exec

show routing-context

show routing-context

Syntax Description

show	Show running system information
routing-context	Display the current routing context

Command Mode

- /exec

show routing

```
show routing [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr> | {
<ip-prefix> [ { longer-prefixes | shorter-prefixes } ] } ] [ { <protocol> [ all ] } | { bind-label <bind-lbl> |
next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [ since <stime>
] [ until <utime> ] } } ] + [ summary [ cached ] | detail | summary-counter-consistency-check ] [ vrf {
<vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
<i>ip-addr</i>	(Optional) Display single route longest match lookup
<i>ip-prefix</i>	(Optional) Display single exact match route
longer-prefixes	(Optional) Display matching routes with mask-lengths \geq prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths \leq prefix
<i>protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
<i>next-hop</i>	(Optional) Next hop address

next-hop-v6	(Optional) Display routes with this V6 next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
detail	(Optional) Display routes in full detail
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show routing clients

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] clients [ <client> | <protocol> ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
clients	Display urib client information
<i>client</i>	(Optional) Display single urib client information
<i>protocol</i>	(Optional) Display single urib client information

Command Mode

- /exec

show routing hash

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] hash <source> <dest> [ ip-proto <ip-proto> ] { [ gtpu-teid <gtpu-teid> ] } | { [ ttl [ <ttl>
[ dest-port <dest-port> ] ] ] } | { [ udf <value> length <length> [ dest-port <dest-port> ] ] } | { [ <src-port>
<dest-port> ] } } [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name> | <vrf-known-name>
| <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hash	Display load-balancing hash information
<i>source</i>	Source IPv4 address of unicast flow or group address for multicast flow
<i>dest</i>	Destination IPv4 address of unicast flow or source address for multicast flow
<i>src-port</i>	(Optional) Source-port
<i>dest-port</i>	(Optional) Destination-port
in-interface	(Optional) Incoming Interface for Packet.Option valid on Tomahawk platform only
<i>in-interface</i>	(Optional) Interface Name
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
gtpu-teid	(Optional) GTPu TEID for the packet
<i>gtpu-teid</i>	(Optional) GTPu TEID for the packet

<code>ttl</code>	(Optional) TTL value for the packet
<i>ttl</i>	(Optional) TTL value for the packet
<code>udf</code>	(Optional) UDF information for the packet
<i>value</i>	(Optional) UDF value for the packet
<code>length</code>	(Optional) Length in bits from udf offset
<i>length</i>	(Optional) Enter Length in bits from udf offset
<code>dest-port</code>	(Optional) Destination-port
<i>dest-port</i>	(Optional) Destination-port
<code>module</code>	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show routing hidden-nh

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] hidden-nh
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hidden-nh	Display hidden next-hop information

Command Mode

- /exec

show routing ipv6

```
show routing ipv6 [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ipv6-addr> | { <ipv6-prefix>
[ { longer-prefixes | shorter-prefixes } ] } ] [ { <ipv6-protocol> [ all ] } | { bind-label <bind-lbl> | next-hop
<next-hop> } | { interface <interface> } | { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary [
cached ] | summary-counter-consistency-check | { [ detail ] [ deleted ] } ] [ vrf { <vrf-name> |
<vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
l3vm-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rpf	(Optional) Display RPF information for multicast source
longer-prefixes	(Optional) Display matching routes with mask-lengths >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
<i>ipv6-protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
<i>srv6-funct</i>	(Optional) Srv6 function
next-hop	(Optional) Display routes with this next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time

since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deleted	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display routes in full detail

Command Mode

- /exec

show routing ipv6 clients

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] clients [ <client> | <ipv6-protocol> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
clients	Display u6rib client information
<i>client</i>	(Optional) Display single u6rib client information
<i>ipv6-protocol</i>	(Optional) Display single u6rib client information

Command Mode

- /exec

show routing ipv6 hash

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] hash [ mpls <ipv6-prefix> [ eos ] ] <source> <dest> [ ip-proto <ip-proto> ] { [ ipv6-flowlabel <ipv6-flowlabel> ] } { [ <src-port> <dest-port> ] } { [ ttl <ttl> [ dest-port <dest-port> ] ] } { [ udf <value> length <length> [ dest-port <dest-port> ] ] } { [ gtpu-teid <gtpu-teid> ] } [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hash	Display load-balancing hash information
mpls	(Optional) MPLS path load-balancing hash information
eos	(Optional) Set End-of-Stack to 1
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
ipv6-flowlabel	(Optional) Flow label in the IPV6 packet
<i>ipv6-flowlabel</i>	(Optional) Flow label in the IPV6 packet
<i>src-port</i>	(Optional) Source-port
<i>dest-port</i>	(Optional) Destination-port
ttl	(Optional) TTL value for the packet
<i>ttl</i>	(Optional) TTL value for the packet
udf	(Optional) UDF information for the packet
<i>value</i>	(Optional) UDF value for the packet

length	(Optional) Length in bits from udf offset
<i>length</i>	(Optional) Enter Length in bits from udf offset
dest-port	(Optional) Destination-port
<i>dest-port</i>	(Optional) Destination-port
gtpu-teid	(Optional) GTPu TEID for the packet
<i>gtpu-teid</i>	(Optional) GTPu TEID for the packet
in-interface	(Optional) Incoming Interface for Packet.Option valid on Tomahawk platform only.
<i>in-interface</i>	(Optional) Interface Name
module	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show routing ipv6 hidden-nh

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] hidden-nh
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hidden-nh	Display hidden next-hop information

Command Mode

- /exec

show routing ipv6 memory estimate

show routing ipv6 [unicast] memory estimate [routes <route-count> next-hops <nh-count>] [labels]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
memory	Display u6rib memory information
estimate	Display u6rib memory estimate
routes	(Optional) Display u6rib memory estimate for # routes
<i>route-count</i>	(Optional) Number of routes
next-hops	(Optional) Display u6rib memory estimate for # next-hops per route
<i>nh-count</i>	(Optional) Number of next-hops per route
labels	(Optional) When the routes are associated with next hop labels

Command Mode

- /exec

show routing ipv6 memory statistics

show routing ipv6 [unicast] memory statistics

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast routing information
memory	Display u6rib memory information
statistics	Display u6rib memory statistics

Command Mode

- /exec

show routing ipv6 multicast bandwidth

show routing ipv6 multicast bandwidth [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
bandwidth	High priority flow bw in kbps
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show routing ipv6 multicast clients

show routing ipv6 multicast clients [<client-name>] [detail]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
clients	Display multicast routing client information
<i>client-name</i>	(Optional) Multicast routing client name
detail	(Optional) Display detailed route attributes

Command Mode

- /exec

show routing ipv6 multicast lisp encap

```
{ show routing ipv6 multicast lisp encap }
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
lisp	LISP related information
encap	All the encap indices

Command Mode

- /exec

show routing ipv6 multicast mdt encapsulation

show routing ipv6 multicast mdt encapsulation [detail] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
mdt	Multicast Distribution Tree
encapsulation	Encapsulation Information
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show routing ipv6 multicast memory estimate

show routing ipv6 multicast memory estimate [groups <group-count> sources-per-group <source-count> oifs-per-entry <oif-count> [mdt-encap-entries <encap-entry-count>]]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
memory	Display mrib memory information
estimate	Display mrib memory estimate
groups	(Optional) Display mrib memory estimate for # groups
<i>group-count</i>	(Optional) Number of groups
sources-per-group	(Optional) Display mrib memory estimate for # sources per group
<i>source-count</i>	(Optional) Number of sources per route
oifs-per-entry	(Optional) Display mrib memory estimate for # oifs per (S,G) or (*,G) entry
<i>oif-count</i>	(Optional) Number of oifs per entry
mdt-encap-entries	(Optional) Display mrib memory estimate for # mdt encap entries
<i>encap-entry-count</i>	(Optional) Number of mdt encap entries

Command Mode

- /exec

show routing ipv6 multicast sr

```
show routing ipv6 multicast sr [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
sr	Service Reflect Rules
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show routing ipv6 nhlfe

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] nhlfe [ stats ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
nhlfe	Display NHLFE db
stats	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show routing ipv6 recursive-next-hop

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] recursive-next-hop [ <ipv6-addr> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
recursive-next-hop	Display recursive next-hop table

Command Mode

- /exec

show routing memory estimate

```
show routing [ ip | ipv4 ] [ unicast ] memory estimate [ routes <route-count> [ next-hops <nh-count>
<nh-unique> ] [ next-hops-v6 <nh6-count> <nh6-unique> ] [ next-hops-srte <srte-count> <srte-unique> ] ] [
labels ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
memory	Display urib memory information
estimate	Display urib memory estimate
routes	(Optional) Display urib memory estimate for # routes
<i>route-count</i>	(Optional) Number of routes
next-hops	(Optional) Display urib memory estimate for # next-hops per route
<i>nh-count</i>	(Optional) Number of next-hops per route
<i>nh-unique</i>	(Optional) Number of unique next-hops (between 1 and route-count*nh-count)
next-hops-v6	(Optional) Display urib memory estimate for # V6 next-hops per route
<i>nh6-count</i>	(Optional) Number of V6 next-hops per route
<i>nh6-unique</i>	(Optional) Number of unique V6 next-hops (between 1 and route-count*nh6-count)
next-hops-srte	(Optional) Display urib memory estimate for # srte next-hops per route
<i>srte-count</i>	(Optional) Number of srte next-hops per route
<i>srte-unique</i>	(Optional) Number of unique srte next-hops (between 1 and route-count*srte-count)
labels	(Optional) When the routes are associated with next hop labels

Command Mode

- /exec

show routing memory statistics

```
show routing [ ip | ipv4 ] [ unicast ] memory statistics [ debug ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
memory	Display urib memory information
statistics	Display urib memory statistics
debug	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show routing multicast clients

show routing [ip | ipv4] multicast clients [<client-name>] [detail]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
clients	Display multicast routing client information
<i>client-name</i>	(Optional) Multicast routing client name
detail	(Optional) Display detailed route attributes

Command Mode

- /exec

show routing multicast lisp encap

```
{ show routing [ ip | ipv4 ] multicast lisp encap }
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
lisp	LISP related information
encap	All the encap indices

Command Mode

- /exec

show routing multicast mdt encapsulation

```
show routing [ ip | ipv4 ] multicast mdt encapsulation [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
mdt	Multicast Distribution Tree
encapsulation	Encapsulation Information
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show routing multicast memory estimate

show routing [ip | ipv4] multicast memory estimate [groups <group-count> sources-per-group <source-count> oifs-per-entry <oif-count> [mdt-encap-entries <encap-entry-count>]]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
memory	Display mrib memory information
estimate	Display mrib memory estimate
groups	(Optional) Display mrib memory estimate for # groups
<i>group-count</i>	(Optional) Number of groups
sources-per-group	(Optional) Display mrib memory estimate for # sources per group
<i>source-count</i>	(Optional) Number of sources per route
oifs-per-entry	(Optional) Display mrib memory estimate for # oifs per (S,G) or (*,G) entry
<i>oif-count</i>	(Optional) Number of oifs per entry
mdt-encap-entries	(Optional) Display mrib memory estimate for # mdt encap entries
<i>encap-entry-count</i>	(Optional) Number of mdt encap entries

Command Mode

- /exec

show routing multicast sr

show routing [ip | ipv4] multicast sr [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
sr	Service Reflect Rules
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show routing nhlfe

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] nhlfe [ stats ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
nhlfe	Display URIB NHLFE db
stats	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show routing recursive-next-hop

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] recursive-next-hop [ <ip-addr> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
recursive-next-hop	Display recursive next-hop table
<i>topology-name</i>	(Optional) topology name
<i>ip-addr</i>	(Optional) Display single recursive virtual next-hop

Command Mode

- /exec

show routing vxlan-hash peer-ip

```
show routing vxlan-hash peer-ip <peer-ip> <inner-src-mac> <inner-dst-mac> [ <inner-src-ip> <inner-dst-ip>
] [ <inner-src-ip6> <inner-dst-ip6> ] [ ip-proto <ip-proto> ] [ <inner-src-port> <inner-dst-port> ] [ module
<module-id> ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vxlan-hash	Display load-balancing information for vxlan
peer-ip	Peer IP address
<i>peer-ip</i>	Peer IP
<i>inner-src-mac</i>	Inner Source MAC Address
<i>inner-dst-mac</i>	Inner Destination MAC Address
<i>inner-src-ip</i>	(Optional) Inner Source IP
<i>inner-dst-ip</i>	(Optional) Inner Destination IP
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
<i>inner-src-port</i>	(Optional) Inner Source-port
<i>inner-dst-port</i>	(Optional) Inner Destination-port
module	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show routing vxlan-hash peer-ipv6

```
show routing vxlan-hash peer-ipv6 <peer-ipv6> <inner-src-mac> <inner-dst-mac> [ <inner-src-ip>
<inner-dst-ip> ] [ <inner-src-ip6> <inner-dst-ip6> ] [ ip-PROTO <ip-PROTO> ] [ <inner-src-port> <inner-dst-port>
] [ module <module-id> ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vxlan-hash	Display load-balancing information for vxlan
peer-ipv6	Peer IPv6 address
<i>inner-src-mac</i>	Inner Source MAC Address
<i>inner-dst-mac</i>	Inner Destination MAC Address
<i>inner-src-ip</i>	(Optional) Inner Source IP
<i>inner-dst-ip</i>	(Optional) Inner Destination IP
ip-PROTO	(Optional) IP Protocol information for the packet
<i>ip-PROTO</i>	(Optional) IP Protocol information for the packet
<i>inner-src-port</i>	(Optional) Inner Source-port
<i>inner-dst-port</i>	(Optional) Inner Destination-port
module	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show rscn event-tov vsan

show rscn event-tov vsan <i0>

Syntax Description

show	Show running system information
event-tov	show event time out value
vsan	show event time out value
<i>i0</i>	VSAN id

Command Mode

- /exec

show rscn pending-diff vsan

show rscn pending-diff vsan <i0>

Syntax Description

show	Show running system information
pending-diff	show difference b/w pending and active configuration
vsan	show difference b/w pending and active configuration
<i>i0</i>	VSAN id

Command Mode

- /exec

show rscn pending vsan

show rscn pending vsan <i0>

Syntax Description

show	Show running system information
pending	show pending configuration
vsan	show pending configuration
<i>i0</i>	VSAN id

Command Mode

- /exec

show rscn scr-table

show rscn scr-table [vsan <i0>]

Syntax Description

show	Show running system information
scr-table	show State Change Registration table
vsan	(Optional) show table for given vsan
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show rscn session status vsan

show rscn session status vsan <i0>

Syntax Description

show	Show running system information
session	show rscn session status
status	show rscn session status
vsan	show internals for session history
<i>i0</i>	VSAN id range

Command Mode

- /exec

show rscn statistics

```
show rscn statistics { [ vsan <i0> ] | detail [ vsan <i1> ] }
```

Syntax Description

show	Show running system information
statistics	show RSCN Statistics
vsan	(Optional) show statistics for given vsan
<i>i0</i>	(Optional) VSAN id range
detail	show statistics for each type of RSCN
vsan	(Optional) show statistics for given vsan
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show running-config

show running-config [sanitized]

Syntax Description

show	Show running system information
running-config	Current operating configuration
sanitized	(Optional) Current operating configuration with sensitive information (passwords) removed

Command Mode

- /exec

show running-config aaa

show running-config aaa [all]

Syntax Description

show	show running-cfg
running-config	show running system information
aaa	Display aaa configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config aclmgr

show running-config aclmgr [all | inactive-if-config]

Syntax Description

show	Show running system information
running-config	Current operating configuration
aclmgr	show running config for aclmgr
all	(Optional) show running config with defaults
inactive-if-config	(Optional) show running config for inactive-policies

Command Mode

- /exec

show running-config adjmgr

show running-config adjmgr [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
adjmgr	Display adjmgr information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config all

show running-config all [sanitized]

Syntax Description

show	Show running system information
running-config	Current operating configuration
all	Current operating configuration with defaults
sanitized	(Optional) Current operating configuration including defaults with sensitive information (passwords) removed

Command Mode

- /exec

show running-config app-hosting

show running-config app-hosting

Syntax Description

show	Show running system information
running-config	Current operating configuration
app-hosting	show running config for app-hosting

Command Mode

- /exec

show running-config arp

show running-config arp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
arp	Display arp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config assoc

show running-config assoc [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
assoc	Original ID to Translated ID Association
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config backup

show running-config { backup | flexlink } [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
backup	Show running config for Switchport Backup
flexlink	Show running config for Switchport Backup
all	(Optional) Show config with defaults

Command Mode

- /exec

show running-config bfd

show running-config bfd [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
bfd	show running config for bfd
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config bgp

show running-config bgp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
bgp	Display bgp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config bloggerd

show running-config bloggerd [all]

Syntax Description

show	show running-cfg
running-config	show running system information
bloggerd	Display bloggerd configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config callhome

show running-config callhome [all]

Syntax Description

show	show running-cfg
running-config	show running system information
callhome	Display callhome configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cdp

show running-config cdp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
cdp	Display cdp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cert-enroll

show running-config cert-enroll [all]

Syntax Description

show	show running-cfg
running-config	show running system information
cert-enroll	Display certificates configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cfs

show running-config cfs [all]

Syntax Description

show	Show running system information
running-config	Current operation configuration
cfs	Display cfs configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config clock_manager

show running-config clock_manager [all]

Syntax Description

running-config	Current operating configuration
clock_manager	show running config for clock manager
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config config-profile

show running-config config-profile [<all_conf_profile_name>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
config-profile	Display port-profile configuration
<i>all_conf_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show running-config controller

show running-config controller

Syntax Description

show	Show running system information
running-config	Current operating configuration
controller	controller

Command Mode

- /exec

show running-config copp

show running-config copp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
copp	Control-Plane Policing
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config dhcp

show running-config dhcp [all]

Syntax Description

show	Show running system information
running-config	Current operation configuration
dhcp	Display dhcp snoop configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config diagnostic

show running-config diagnostic [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
diagnostic	Display diagnostic information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config diff

show running-config diff [unified]

Syntax Description

show	Show running system information
running-config	Current operating configuration
diff	Show the difference between running and startup configuration in context format
unified	(Optional) Show the difference between running and startup configuration in unified format

Command Mode

- /exec

show running-config dot1x

show running-config dot1x [all]

Syntax Description

show	show running-cfg
running-config	show running system information
dot1x	Display dot1x configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config ecp

show running-config ecp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ecp	ECP (Edge Control Protocol)
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config eem

show running-config eem

Syntax Description

show	Show running system information
running-config	Show the system running configuration
eem	Show the event manager running configuration

Command Mode

- /exec

show running-config eigrp

show running-config eigrp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
eigrp	Display eigrp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config eltm

show running-config eltm

Syntax Description

show	Show running system information
running-config	Current operation configuration
eltm	Display eltm configurations

Command Mode

- /exec

show running-config epbr

show running-config epbr

Syntax Description

show	show running-cfg
running-config	show running system information
epbr	epbr

Command Mode

- /exec

show running-config evb

show running-config evb [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
evb	EVB (Edge Virtual Bridge)
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config exclude

show running-config exclude <feature-list> +

Syntax Description

show	Show running system information
running-config	Current operating configuration
exclude	Exclude running configuration of specified features
<i>feature-list</i>	Exclude features

Command Mode

- /exec

show running-config expand-port-profile

show running-config expand-port-profile

Syntax Description

show	Show running system information
running-config	Current operating configuration
expand-port-profile	Expand port profile

Command Mode

- /exec

show running-config fabric forwarding

show running-config fabric forwarding [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabric multicast

show running-config fabric multicast [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabric	Fabric
multicast	Multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabricpath

show running-config fabricpath [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabricpath	fabricpath information
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config fabricpath domain default

show running-config fabricpath domain default [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabricpath	fabricpath information
domain	Enter fabricpath IS-IS domain configuration mode
default	default fabricpath domain
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabricpath switch-id

show running-config fabricpath switch-id [all]

Syntax Description

running-config	Current operating configuration
fabricpath	fabricpath information
switch-id	fabricpath switch-id configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config fabricpath topology

show running-config fabricpath topology [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
fabricpath	fabricpath Module Information
topology	Fabricpath topology Information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fcoe_mgr

show running-config fcoe_mgr [all]

Syntax Description

show	show running-cfg
running-config	show running system information
fcoe_mgr	Display fcoe_mgr configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config fsync_mgr

show running-config fsync_mgr [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fsync_mgr	Frequency Synchronization Manager
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config hardware-telemetry

show running-config hardware-telemetry [all]

Syntax Description

running-config	Current operating configuration
hardware-telemetry	show running config for hardware-telemetry
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config hsrp

show running-config hsrp [all]

Syntax Description

show	Show system information
running-config	System running configuration
hsrp	HSRP running configuration
all	(Optional) Show HSRP running configuration defaults

Command Mode

- /exec

show running-config icam

show running-config icam

Syntax Description

show	show running-cfg
running-config	show running system information
icam	icam services

Command Mode

- /exec

show running-config icmpv6

show running-config icmpv6 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
icmpv6	Display icmpv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config igmp

show running-config igmp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
igmp	Display igmp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config imp

show running-config imp [all]

Syntax Description

show	Show system information
running-config	System running configuration
imp	IMP running configuration
all	(Optional) Show IMP running configuration defaults

Command Mode

- /exec

show running-config interface

show running-config interface [<if0>] [all] [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
<i>if0</i>	(Optional) interface type and number in module/slot format
all	(Optional) show running config with defaults
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config interface

show running-config interface <if0> [membership] [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
<i>if0</i>	interface type and number in module/slot format
membership	(Optional) Show membership information
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config intersight

show running-config intersight

Syntax Description

show	Show running system information
running-config	Current operation configuration
intersight	Display intersight configurations

Command Mode

- /exec

show running-config ip

show running-config ip [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
ip	Display ip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ipqos

show running-config ipqos [all | inactive-if-config]

Syntax Description

show	Show running system information
running-config	Current operating configuration
all	(Optional) show running config with defaults
inactive-if-config	(Optional) show running config for inactive-policies

Command Mode

- /exec

show running-config ipv6

show running-config ipv6 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
ipv6	Display ipv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config isis

show running-config isis [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
isis	Display isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config l3vm

show running-config l3vm [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
l3vm	Display l3vm information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config ldap

show running-config ldap [all]

Syntax Description

show	show running-cfg
running-config	show running system information
ldap	Display ldap configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config license

show running-config license [all]

Syntax Description

show	show
running-config	show running system information
license	Display licensing configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config lisp

show running-config lisp [all]

Syntax Description

show	Show running system information
running-config	Current operationng configuration
lisp	Display lisp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config lldp

show running-config lldp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
lldp	Display lldp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config macsec

show running-config macsec

Syntax Description

show	Show running system information
running-config	Current operating configuration
macsec	Show CTS information

Command Mode

- /exec

show running-config mdns

show running-config mdns [all]

Syntax Description

show	Show running system information
running-config	Show running system information
mdns	Display MDNS information
all	(Optional) Current operating configuration with defaults

Command Mode

- /exec

show running-config mfwd

show running-config { mfwd | mcastfwd } [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
mcastfwd	Display MCASTFWD information
mfwd	Display MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config mfv6

show running-config { mfv6 | mcastfv6 } [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
mcastfv6	Display IPV6 MCASTFWD information
mfv6	Display IPV6 MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config mld

show running-config mld [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
mld	Display MLD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config mmode

show running-config mmode [all]

Syntax Description

show	Show running system information
running-config	Show running configuration
mmode	Display maintenance mode running configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config monitor

show running-config monitor [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
monitor	Configure Ethernet SPAN sessions
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config mpls static

show running-config mpls static [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
mpls	Display MPLS status and configuration
static	Static Label Bindings
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show running-config mpls strip

show running-config mpls strip [all]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
running-config	System running configuration
all	(Optional) Show running configuration for STRIPCL with defaults

Command Mode

- /exec

show running-config msdp

show running-config msdp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
msdp	Display msdp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config nat

show running-config nat [all]

Syntax Description

show	show running-cfg
running-config	show running system information
nat	Display NAT configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config nbm

show running-config nbm

Syntax Description

show	Show running system information
running-config	Current operating configuration
nbm	Non Blocking Multicast

Command Mode

- /exec

show running-config ngoam

show running-config ngoam [all]

Syntax Description

show	Show running system information
running-config	Show running system information
ngoam	ngoam configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config ntp

show running-config ntp [all]

Syntax Description

show	Show information
running-config	Show running system configuration
ntp	Show NTP information
all	(Optional) Show all NTP running configuration

Command Mode

- /exec

show running-config nv overlay

show running-config nv overlay [all]

Syntax Description

show	Show system information
running-config	System running configuration
nv	NVE running configuration
overlay	NVE running configuration
all	(Optional) Show NVE running configuration defaults

Command Mode

- /exec

show running-config nxsdk

show running-config nxsdk [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
nxsdk	NXOS SDK
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config ofm

show running-config ofm [all]

Syntax Description

show	Show running system information
running-config	Show running system information
ofm	Display Overlay Flow/Policy Manager information
all	(Optional) Current operating configuration with defaults

Command Mode

- /exec

show running-config openconfig

show running-config openconfig [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
openconfig	OpenConfig Model Service App
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ospf

show running-config ospf [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ospf	Display ospf information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ospfv3

show running-config ospfv3 [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ospfv3	Display ospfv3 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config otv-isis

show running-config otv-isis [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
otv-isis	Display otv-isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config param-list

show running-config param-list [<plistname>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
param-list	Display param-list configuration
<i>plistname</i>	(Optional) Enter the name of the param list

Command Mode

- /exec

show running-config pim

show running-config pim [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
pim	Display pim information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config pim6

show running-config pim6 [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
pim6	Display pim6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config poe

show running-config poe [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
poe	Power over Ethernet
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config port-profile

show running-config port-profile [<all_profile_name>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
port-profile	Display port-profile configuration
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show running-config port-security

show running-config port-security [all]

Syntax Description

show	show running-cfg
running-config	show running system information
port-security	Display port-security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config ptp

show running-config ptp [all]

Syntax Description

running-config	Current operating configuration
ptp	show running config for ptp
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config radius

show running-config radius [all]

Syntax Description

show	show running-cfg
running-config	show running system information
radius	Display radius configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config rip

show running-config rip [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
rip	Display rip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config routing ip multicast

show running-config routing { ip | ipv4 } multicast [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
routing	Display routing information
ip	Display IP information
ipv4	Display IP information
multicast	Display multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config routing ipv6 multicast

show running-config routing ipv6 multicast [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config rpm

show running-config rpm [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
rpm	Display Route Policy Manager (RPM) information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config scheduler

show running-config scheduler [all]

Syntax Description

show	show running-cfg
running-config	show running system information
scheduler	Show scheduler config or data
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config section

show running-config section <section>

Syntax Description

show	Show running system information
running-config	Current operating configuration
section	show only a particular section of running-config (in format needed for 'merge config' command)
<i>section</i>	the section to show, a regular expression, (use a dot for a space)

Command Mode

- /exec

show running-config security

show running-config security [all]

Syntax Description

show	show running-cfg
running-config	show running system information
security	Display security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config segment-routing

show running-config segment-routing [all]

Syntax Description

show	Show running system information
running-config	Show running configuration
segment-routing	Display segment-routing running configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config service-reflect

show running-config service-reflect

Syntax Description

show	Show running system information
running-config	Current operationg configuration
service-reflect	Display NAT feature service-reflect commands

Command Mode

- /exec

show running-config services

show running-config services

Syntax Description

show	show running-cfg
running-config	show running system information
services	services

Command Mode

- /exec

show running-config services

show running-config services

Syntax Description

show	show running-cfg
running-config	show running system information
services	services

Command Mode

- /exec

show running-config sflow

show running-config sflow [all]

Syntax Description

running-config	Current operating configuration
sflow	show running config for sflow
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config sla responder

show running-config sla responder

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
responder	Show information about sla-responder

Command Mode

- /exec

show running-config sla sender

show running-config sla sender

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
sender	Show information about sla-sender

Command Mode

- /exec

show running-config sla twamp-server

show running-config sla twamp-server

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
twamp-server	Show IPSLA IPPM TWAMP server configuration

Command Mode

- /exec

show running-config snmp

show running-config snmp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
snmp	Display snmp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config spanning-tree

show running-config spanning-tree [<all> | interface <interface_range>]

Syntax Description

show	Show running system information
running-config	Current operating configuration
spanning-tree	Show spanning tree information
<i>all</i>	(Optional)
interface	(Optional) Specify an interface as a target for the command
<i>interface_range</i>	(Optional)

Command Mode

- /exec

show running-config srte

show running-config srte

Syntax Description

show	Show running system information
running-config	Current operating configuration
srte	SRTE

Command Mode

- /exec

show running-config storm-control

show running-config storm-control

Syntax Description

show	Show running system information
running-config	Current operating configuration
storm-control	show config for storm-control

Command Mode

- /exec

show running-config switch

show running-config { switch-profile | include-switch-profile }

Syntax Description

show	Show running system information
running-config	Current operating configuration
switch-profile	Show switch-profile information
include-switch-profile	Show running and switch-profile configuration

Command Mode

- /exec

show running-config sync

show running-config sync [all]

Syntax Description

running-config	Current operating configuration
sync	show running config for sync
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config tacacs

show running-config tacacs + [all]

Syntax Description

show	show running-cfg
running-config	show running system information
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config telemetry

show running-config telemetry [all]

Syntax Description

show	show running system configuration
running-config	Current operating configuration
telemetry	Display telemetry configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config track

show running-config track [all]

Syntax Description

show	Show running system information
running-config	Show the system running information
track	Show track running configuration
all	(Optional) Show track running configuration defaults

Command Mode

- /exec

show running-config tunnel-encryption

show running-config tunnel-encryption

Syntax Description

show	Show running system information
running-config	Current operating configuration
tunnel-encryption	Show information about Tunnel Encryption Manager

Command Mode

- /exec

show running-config udd

show running-config udd [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
udd	Show udd configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vdc-all

show running-config vdc-all [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vdc-all	Display config from all VDC
all	(Optional) Display config from all VDC including defaults

Command Mode

- /exec

show running-config vdc

show running-config vdc [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vdc	Show Virtual Device Contexts
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config virtual-service

show running-config virtual-service

Syntax Description

show	Show running system information
running-config	Current operating configuration
virtual-service	Show running config for virtualization services

Command Mode

- /exec

show running-config vlan

show running-config vlan <vlan-id> [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config vlan

show running-config vlan <vlan-id> [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config vlan

show running-config vlan

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands

Command Mode

- /exec

show running-config vmtracker

show running-config vmtracker [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vmtracker	show running config for vmtracker
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vpc

show running-config vpc [all]

Syntax Description

running-config	Current operating configuration
vpc	show running config for vPC
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vrf

show running-config vrf <vrf-cfg-name> [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
vrf	Display VRF information
<i>vrf-cfg-name</i>	Configurable VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config vrf default

show running-config vrf default [all]

Syntax Description

show	Show running system information
running-config	Current operationng configuration
vrf	Display VRF information
default	Known VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config vrrp

show running-config vrrp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vrrp	Display VRRP running configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vrrpv3

show running-config vrrpv3 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vrrpv3	Show running config for VRRPv3
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vshd

show running-config vshd

Syntax Description

show	Show running system information
running-config	Current operating configuration
vshd	Show running config for vshd

Command Mode

- /exec

show running-config vtp

show running-config vtp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vtp	Show running configuration for VTP
all	(Optional) Show running configuration for VTP with defaults

Command Mode

- /exec

show running-config wwnm

show running-config wwnm

Syntax Description

show	Show running system information
running-config	Current running configuration
wwnm	Display WWN Manager running configuration

Command Mode

- /exec

show running-config zone

show running-config zone

Syntax Description

show	Show running system information
running-config	Current operating configuration
zone	Display zone server running configuration

Command Mode

- /exec

show running-config zone vsan

show running-config zone vsan <vsan-id>

Syntax Description

show	Show running system information
running-config	Current operating configuration
zone	Display zone server running configuration per vsan
vsan	Vsan commands
<i>vsan-id</i>	Vsan id

Command Mode

- /exec



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show san-port-channel compatibility-parameters

show san-port-channel compatibility-parameters

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
compatibility-parameters	Show san-port-channel compatibility-parameters

Command Mode

- /exec

show san-port-channel consistency

show san-port-channel consistency

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency

Command Mode

- /exec

show san-port-channel consistency detail

show san-port-channel consistency detail

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency
detail	Show san-port-channel distributed databases of all modules

Command Mode

- /exec

show san-port-channel database

show san-port-channel database [interface <ifid> | all]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
database	Show san-port-channel database
interface	(Optional) Specify a port-channel
<i>ifid</i>	(Optional)
all	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show san-port-channel summary

show san-port-channel summary

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
summary	Show san-port-channel summary

Command Mode

- /exec

show san-port-channel usage

show san-port-channel usage

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
usage	Show san-port-channel usages

Command Mode

- /exec

show scheduler config

show scheduler config

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
config	Display scheduler config

Command Mode

- /exec

show scheduler job

show scheduler job [name <s0>]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
job	Display job information
name	(Optional) Specify the name of job
s0	(Optional) Specify the job name

Command Mode

- /exec

show scheduler logfile

show scheduler logfile

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
logfile	Display scheduler job output log

Command Mode

- /exec

show scheduler schedule

show scheduler schedule [name <s0>]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
schedule	Display schedule information
name	(Optional) Specify the name of schedule
s0	(Optional) Specify the schedule name

Command Mode

- /exec

show segment-routing

show segment-routing [detail]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
detail	(Optional) Show detailed information

Command Mode

- /exec

show segment-routing clients

show segment-routing clients

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
clients	Show client info

Command Mode

- /exec

show segment-routing ipv4 connected-prefix-sid-map

show segment-routing ipv4 connected-prefix-sid-map

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
ipv4	Show info for IPv4 address-family
connected-prefix-sid-map	Show prefix-sid mapping

Command Mode

- /exec

show segment-routing mpls

show segment-routing mpls [detail]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
detail	(Optional) Show detailed information

Command Mode

- /exec

show segment-routing mpls clients

show segment-routing mpls clients

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
clients	Show client info

Command Mode

- /exec

show segment-routing mpls ipv4 connected-prefix-sid-map

show segment-routing mpls ipv4 connected-prefix-sid-map

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
ipv4	Show info for IPv4 address-family
connected-prefix-sid-map	Show prefix-sid mapping

Command Mode

- /exec

show sflow

show sflow

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration

Command Mode

- /exec

show sflow statistics

show sflow statistics

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration
statistics	Display sFlow statistics

Command Mode

- /exec

show snapshots

show snapshots

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch

Command Mode

- /exec

show snapshots compare

show snapshots compare <snapshot-name-T1> <snapshot-name-T2>

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2

Command Mode

- /exec

show snapshots compare ipv4routes

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv4routes

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
ipv4routes	Compare ipv4 route information

Command Mode

- /exec

show snapshots compare ipv6routes

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv6routes

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
ipv6routes	Compare ipv6 route information

Command Mode

- /exec

show snapshots compare summary

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> summary

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
summary	Compare summary information

Command Mode

- /exec

show snapshots dump

show snapshots dump <snapshot-name> <section-name>

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
<i>snapshot-name</i>	Name of a snapshot
<i>section-name</i>	Name of snapshot section

Command Mode

- /exec

show snapshots dump

show snapshots dump <snapshot-name>

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
<i>snapshot-name</i>	Name of a snapshot

Command Mode

- /exec

show snapshots sections

show snapshots sections

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
sections	User-specified snapshot sections

Command Mode

- /exec

show snmp

show snmp

Syntax Description

show	Show running system information
snmp	show snmp information

Command Mode

- /exec

show snmp community

show snmp community

Syntax Description

show	Show running system information
snmp	show snmp information
community	show snmp community strings

Command Mode

- /exec

show snmp context

show snmp context

Syntax Description

show	Show running system information
snmp	show snmp information
context	show snmp context mapping entries

Command Mode

- /exec

show snmp engineID

show snmp engineID

Syntax Description

show	Show running system information
snmp	show snmp information
engineID	show snmp engineID

Command Mode

- /exec

show snmp group

show snmp group

Syntax Description

show	Show running system information
snmp	show snmp information
group	show snmp group

Command Mode

- /exec

show snmp host

show snmp host

Syntax Description

show	Show running system information
snmp	show snmp information
host	show snmp hosts

Command Mode

- /exec

show snmp nms-statistics

show snmp nms-statistics

Syntax Description

show	Show running system information
snmp	Show snmp information
nms-statistics	Show SNMP NMS statistics

Command Mode

- /exec

show snmp oid-statistics

show snmp oid-statistics [last-access]

Syntax Description

show	Show running system information
snmp	Show snmp information
oid-statistics	Show SNMP oid statistics
last-access	(Optional) Show SNMP oid statistics of last-access

Command Mode

- /exec

show snmp sessions

show snmp sessions

Syntax Description

show	Show running system information
snmp	show snmp information
sessions	show snmp sessions

Command Mode

- /exec

show snmp source-interface

show snmp source-interface

Syntax Description

show	Show running system information
snmp	show snmp information
source-interface	show source-interface through which notifications are sent

Command Mode

- /exec

show snmp trap

show snmp trap

Syntax Description

show	Show running system information
snmp	show snmp information
trap	show snmp traps

Command Mode

- /exec

show snmp user

```
show snmp user [ <s0> [ engineID <s1> ] ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
user	show SNMPv3 users
<i>s0</i>	(Optional) Name of the user
engineID	(Optional) engineID
<i>s1</i>	(Optional) Target's SNMP engineID(colon separated) for SNMPv3 inform

Command Mode

- /exec

show sockets client

```
show sockets client { [ pid <pid> ] [ tcp | udp | raw ] [ detail ] [ kstack-ns-all ] }
```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
client	Display sockets client information
pid	(Optional) Display specific client process information
<i>pid</i>	(Optional) Display client process <pid>
tcp	(Optional) Display TCP clients
udp	(Optional) Display UDP clients
raw	(Optional) Display RAW clients
detail	(Optional) Display socket details
kstack-ns-all	(Optional) Show kernel clients for all namespaces

Command Mode

- /exec

show sockets connection

```
show sockets connection [ pid <pid> | tcp | udp | raw ] [ local { <srcIP> | <srcIP6> } ] [ foreign { <dstIP> | <dstIP6> } ] [ detail ] [ keydetails ]
```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
connection	Display connection information
pid	(Optional) Display specific client process connection status
<i>pid</i>	(Optional) Display client process connection status <pid>
tcp	(Optional) Display all TCP connections
udp	(Optional) Display all UDP connections
raw	(Optional) Display all raw connections
local	(Optional) Display all TCP connections with specified local address
<i>srcIP</i>	(Optional) Display all TCP connections with specified local address
foreign	(Optional) Display all TCP connections with specified foreign address
<i>dstIP</i>	(Optional) Display all TCP connections with specified foreign address
detail	(Optional) Display detailed connection information
keydetails	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show sockets local-port-range

show sockets local-port-range

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
local-port-range	Display local port range

Command Mode

- /exec

show sockets ns-port-kiosk

show sockets ns-port-kiosk

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
ns-port-kiosk	Display port kiosk for netstack socket clients

Command Mode

- /exec

show sockets statistics

show sockets statistics [all | tcp | tcp6 | tcpsum | udp | udp6 | udpsum | raw | raw6 | rawsum]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
statistics	Display sockets statistics
all	(Optional) Display TCP/UDP/RAW v4/v6 protocols statistics
tcp	(Optional) Display TCP v4 protocol statistics
tcp6	(Optional) Display TCP v6 protocol statistics
tcpsum	(Optional) Display sum of TCP v4 and TCP v6 protocols statistics
udp	(Optional) Display UDP v4 protocol statistics
udp6	(Optional) Display UDP v6 protocol statistics
udpsum	(Optional) Display sum of UDP v4 and UDP v6 protocols statistics
raw	(Optional) Display RAW v4 protocol statistics
raw6	(Optional) Display RAW v6 protocol statistics
rawsum	(Optional) Display sum of RAW v4 and RAW v6 protocols statistics

Command Mode

- /exec

show sockets tcp keychain binding

show sockets tcp keychain binding

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
tcp	TCP information
keychain	Keychain information
binding	Binding information reagarding RPM

Command Mode

- /exec

show software authenticity file

show software authenticity { file <uri0> | running }

Syntax Description

show	show information
software	signifies information about current software
authenticity	signifies image signature
file	show verification information of a file
<i>uri0</i>	file to be verified
running	Show running image information

Command Mode

- /exec

show software authenticity keys

show software authenticity keys

Syntax Description

show	show information
software	signifies information about current software
authenticity	signifies image signature
keys	show installed verification keys

Command Mode

- /exec

show spanning-tree

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ]
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
<i>verbosity</i>	verbosity
active	Report on active interfaces only

Command Mode

- /exec

show spanning-tree blockedports

```
{ show spanning-tree [ vlan <vlan-id> ] blockedports
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees

Command Mode

- /exec

show spanning-tree bridge

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] bridge [ priority [ system-id ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
bridge	Status and configuration of this bridge
address	(Optional) Mac address of this bridge
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
protocol	(Optional) Spanning tree protocol
brief	(Optional) Brief summary of the status and configuration output
detail	(Optional) Detailed of the status and configuration
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension

Command Mode

- /exec

show spanning-tree inconsistentports

```
{ show spanning-tree [ vlan <vlan-id> ] inconsistentports
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
inconsistentports	Show inconsistent ports

Command Mode

- /exec

show spanning-tree interface

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] interface <interface-id>
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	
<i>verbosity</i>	verbosity
active	Report on active instances only

Command Mode

- /exec

show spanning-tree interface

```
{ show spanning-tree [ vlan <vlan-id> ] interface <interface-id> { cost | inconsistency | edge | priority | rootcost | state } }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	
cost	Port path cost
inconsistency	Port inconsistency state
edge	Edge Port configuration
priority	Port priority
rootcost	Path cost to root
state	Port spanning tree state

Command Mode

- /exec

show spanning-tree issu-impact

show spanning-tree issu-impact

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
issu-impact	Show whether STP meets ISSU criteria

Command Mode

- /exec

show spanning-tree mst

{ show spanning-tree mst [<mst-id>]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
<i>mst-id</i>	(Optional) MST instance range, example: 0-3,5,7-9
detail	Detailed information

Command Mode

- /exec

show spanning-tree mst configuration

{ show spanning-tree mst configuration

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration

Command Mode

- /exec

show spanning-tree mst configuration digest

{ show spanning-tree mst configuration digest

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration
digest	Display MST configuration digest

Command Mode

- /exec

show spanning-tree mst interface

{ show spanning-tree mst [<mst-id>] interface <interface-id>

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
<i>mst-id</i>	(Optional) MST instance range, example: 0-3,5,7-9
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	Specify an interface as a target for the command
detail	Detailed information

Command Mode

- /exec

show spanning-tree pathcost method

{ show spanning-tree pathcost method

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
pathcost	Show Spanning pathcost options
method	Default pathcost calculation method

Command Mode

- /exec

show spanning-tree root

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] root [ priority [ system-id ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
root	Status and configuration of the root bridge
address	(Optional) Mac address of this bridge
cost	(Optional) Path cost from this bridge to the root
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
port	(Optional) Root port
brief	(Optional) Brief summary of interface information
detail	(Optional) Detailed information
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension

Command Mode

- /exec

show spanning-tree summary

show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] summary

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
summary	Summary of port states

Command Mode

- /exec

show spanning-tree summary totals

show spanning-tree summary totals

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
summary	Summary of port states
totals	Only show totals

Command Mode

- /exec

show sprom

```
show sprom { backplane <i0> | module <module> <i1> | xbar <santa-cruz-range> <i2> | powersupply <i3>
| fan <i4> | sup | stby-sup | all | all2 | backplane2 | module2 <module2> | powersupply2 <i5> | sup2 | switchcard
}
```

Syntax Description

show	Show running system information
spro	show SPROM contents
backplane	show backplane clock module spro contents
<i>i0</i>	please enter instance of backplane spro
module	show linecard module spro contents
<i>module</i>	please enter module number
<i>i1</i>	please enter instance of module spro
xbar	show xbar fabric spro contents
<i>santa-cruz-range</i>	please enter the xbar number
<i>i2</i>	please enter spro instance number
powersupply	show powersupply spro contents
<i>i3</i>	please enter powersupply number
fan	show fan module spro contents
<i>i4</i>	please enter fan number
sup	show supervisor spro contents
switchcard	show switchcard spro contents
stby-sup	show standby supervisor spro contents
all	show all spros contents
all2	All spro contents
backplane2	Backplane spro contents
module2	Linecard spro contents
<i>module2</i>	Linecard module number
powersupply2	Powersupply spro contents
<i>i5</i>	Powersupply module number

sup2	Supervisor sprom contents
------	---------------------------

Command Mode

- /exec

show srte pce ipv4 peer

show srte pce ipv4 peer [<pce_address>]

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
pce	Show PCC related information
ipv4	Show ipv4 pcc information
peer	Show PCE peers
<i>pce_address</i>	(Optional) PCE address of the peer

Command Mode

- /exec

show srte policy

```
show srte policy [ { <policy_name_val> } | { color <color_val> endpoint { <end_point_val> | <ipv6-addr> } } | { policy-id <policy_id_val> } ] [ holddown ] [ detail ] [ all ]
```

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
color	(Optional) Show policies with the color
endpoint	(Optional) Show Policies with the destination
<i>end_point_val</i>	(Optional) Endpoint for the policy
<i>ipv6-addr</i>	(Optional) IPv6 endpoint SID
<i>policy_name_val</i>	(Optional) Policy name of the policy
<i>color_val</i>	(Optional) Color of the policy
<i>policy_id_val</i>	(Optional) Policy_id of the policy
policy-id	(Optional) Show Policy for the policy-id
holddown	(Optional) Show Policies that are in holddown
detail	(Optional) Display detailed information

Command Mode

- /exec

show srte policy fh

show srte policy fh

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
fh	Show existing policies firsthop state

Command Mode

- /exec

show srte policy proactive-policy-monitoring

```
show srte policy proactive-policy-monitoring [ { brief } | { color <color_val> endpoint <end_point_val> } |
{ session-id <session_id_val> } | { name <name> } ]
```

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
proactive-policy-monitoring	Show existing policies proactive monitoring state
brief	(Optional) Show brief information for sessions
color	(Optional) Show promon sessions related to policy color
endpoint	(Optional) Show promon sessions related to policy destination
name	(Optional) Show promon sessions related to policy name
<i>end_point_val</i>	(Optional) Endpoint for the policy
<i>color_val</i>	(Optional) Color of the policy
<i>session_id_val</i>	(Optional) session id of the promon session
session-id	(Optional) Show promon session for session-id
<i>name</i>	(Optional) Policy name of the policy

Command Mode

- /exec

show srte policy summary

show srte policy summary

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
summary	Show policy summary info

Command Mode

- /exec

show srv6 clients

show srv6 clients

Syntax Description

show	Show running system information
srv6	srv6
clients	Sid Manager Client

Command Mode

- /exec

show srv6 locator

show srv6 locator [detail]

Syntax Description

show	Show running system information
srv6	srv6
locator	Locator DB
detail	(Optional) Locator details

Command Mode

- /exec

show srv6 manager

show srv6 manager

Syntax Description

show	Show running system information
srv6	srv6
manager	Manager

Command Mode

- /exec

show srv6 sid

show srv6 sid [<ipv6-addr>] [detail]

Syntax Description

show	Show running system information
srv6	srv6
sid	SID DB
detail	(Optional) Print SID details

Command Mode

- /exec

show srv6 sid counters

show srv6 sid <ipv6-addr> counters

Syntax Description

show	Show running system information
srv6	srv6
sid	SID DB
counters	Print SID counters

Command Mode

- /exec

show ssh key

```
show ssh key [ { dsa [ md5 ] | rsa [ md5 ] | ecdsa | [ md5 ] } ]
```

Syntax Description

show	Show running system information
ssh	Show SSH information
key	Show ssh keys
dsa	(Optional) Show dsa ssh keys
rsa	(Optional) Show rsa ssh keys
ecdsa	(Optional) Show ecdsa ssh keys
md5	(Optional) Show Fingerprint in MD5 Format

Command Mode

- /exec

show ssh server

show ssh server

Syntax Description

show	Show running system information
ssh	Show SSH information
server	Show whether ssh server is enabled or not

Command Mode

- /exec

show ssx details

show ssx details

Syntax Description

ssx	Display SSX information
details	Show SSX details

Command Mode

- /exec

show ssx exporter

show ssx exporter { all | <exportername> }

Syntax Description

ssx	Display SSX information
exporter	Show exporter details
all	All sessions
<i>exportername</i>	SSX Exporter to display

Command Mode

- /exec

show ssx monitor

show ssx monitor { all | <monitorname> }

Syntax Description

ssx	Display SSX information
monitor	Show monitor details
all	All sessions
<i>monitorname</i>	SSX Monitor to display

Command Mode

- /exec

show ssx record

```
show ssx record { all | <recordname> }
```

Syntax Description

ssx	Display SSX information
record	Show record details
all	All sessions
<i>recordname</i>	SSX Record to display

Command Mode

- /exec

show startup-config

show startup-config { log | mdp-log | poap-log } [bootstrap]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mdp-log	Displays execution log of last used Model Driven Programmability(MDP) ASCII startup configuration
log	Displays execution log of last used ASCII startup configuration
poap-log	Displays execution log of last used POAP ASCII startup configuration
bootstrap	(Optional) Bootstrap config replay execution log

Command Mode

- /exec

show startup-config

show startup-config [sanitized]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
sanitized	(Optional) Current startup configuration with sensitive information (passwords) removed

Command Mode

- /exec

show startup-config aaa

show startup-config aaa

Syntax Description

show	show startup-cfg
startup-config	show startup system information
aaa	Display aaa configuration

Command Mode

- /exec

show startup-config aclmgr

show startup-config aclmgr [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
aclmgr	show startup config for aclmgr
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config adjmgr

show startup-config adjmgr [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
adjmgr	Display adjmgr information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config app-hosting

show startup-config app-hosting

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
app-hosting	show startup config for app-hosting

Command Mode

- /exec

show startup-config arp

show startup-config arp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
arp	Display arp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config assoc

show startup-config assoc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
assoc	Original ID to Translated ID Association
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config backup

```
show startup-config { backup | flexlink } [ all ]
```

Syntax Description

show	Show running system information
startup-config	System startup-config commands
backup	Show startup config for Switchport Backup
flexlink	Show startup config for Switchport Backup
all	(Optional) Show config with defaults

Command Mode

- /exec

show startup-config bfd

show startup-config bfd [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
bfd	show startup config for bfd
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config bgp

show startup-config bgp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
bgp	Display bgp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config bloggerd

show startup-config bloggerd [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
bloggerd	Display bloggerd configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config callhome

show startup-config callhome

Syntax Description

show	show startup-cfg
startup-config	show startup system information
callhome	Display callhome configuration

Command Mode

- /exec

show startup-config cdp

show startup-config cdp [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
cdp	Display cdp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config cert-enroll

show startup-config cert-enroll

Syntax Description

show	show startup-cfg
startup-config	show startup system information
cert-enroll	Display certificates configuration

Command Mode

- /exec

show startup-config cfs

show startup-config cfs [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
cfs	Display cfs configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config config-profile

show startup-config config-profile [<all_conf_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
config-profile	Display port-profile configuration
<i>all_conf_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config copp

show startup-config copp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
copp	Control-Plane Policing
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config dhcp

show startup-config dhcp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
dhcp	Display dhcp snoop configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config diagnostic

show startup-config diagnostic [all]

Syntax Description

show	Show running system information
startup-config	Contents of startup configuration
diagnostic	Diagnostic configuration
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config dot1x

show startup-config dot1x

Syntax Description

show	show startup-cfg
startup-config	show startup system information
dot1x	Display dot1x configuration

Command Mode

- /exec

show startup-config ecp

show startup-config ecp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ecp	ECP (Edge Control Protocol)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config eem

show startup-config eem

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
eem	Show the event manager startup configuration

Command Mode

- /exec

show startup-config eigrp

show startup-config eigrp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eigrp	Display eigrp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config eltm

show startup-config eltm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eltm	Display eltm configurations

Command Mode

- /exec

show startup-config epbr

show startup-config epbr

Syntax Description

show	show startup-cfg
startup-config	show startup system information
epbr	epbr

Command Mode

- /exec

show startup-config evb

show startup-config evb [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
evb	EVB (Edge Virtual Bridge)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config exclude

show startup-config exclude <feature-list> +

Syntax Description

show	Show running system information
startup-config	Current startup configuration
exclude	Exclude startup configuration of specified features
<i>feature-list</i>	Exclude features

Command Mode

- /exec

show startup-config expand-port-profile

show startup-config expand-port-profile

Syntax Description

show	Show running system information
startup-config	System startup-config commands
expand-port-profile	Expand port profile

Command Mode

- /exec

show startup-config fabric forwarding

show startup-config fabric forwarding [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabric multicast

show startup-config fabric multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
multicast	Multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabricpath

show startup-config fabricpath

Syntax Description

show	Show running system information
startup-config	System startup-config commands
fabricpath	fabricpath information

Command Mode

- /exec

show startup-config fabricpath domain default

show startup-config fabricpath domain default [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabricpath	fabricpath information
domain	Enter fabricpath IS-IS domain configuration mode
default	default fabricpath domain
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabricpath switch-id

show startup-config fabricpath switch-id

Syntax Description

startup-config	Current startup configuration
fabricpath	fabricpath information
switch-id	fabricpath switch-id configuration

Command Mode

- /exec

show startup-config fabricpath topology

show startup-config fabricpath topology [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabricpath	fabricpath Module Information
topology	Fabricpath topology Information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fcoe_mgr

show startup-config fcoe_mgr

Syntax Description

show	show startup-cfg
startup-config	show startup system information
fcoe_mgr	Display fcoe_mgr configuration

Command Mode

- /exec

show startup-config fsync_mgr

show startup-config fsync_mgr [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
fsync_mgr	Frequency Synchronization Manager
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config glbp

show startup-config glbp

Syntax Description

show	Show system information
startup-config	System startup configuration
glbp	GLBP startup configuration

Command Mode

- /exec

show startup-config hardware-telemetry

show startup-config hardware-telemetry [all]

Syntax Description

show	Show system information
startup-config	Current startup configuration
hardware-telemetry	show startup config for hardware-telemetry
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config hsrp

show startup-config hsrp

Syntax Description

show	Show system information
startup-config	System startup configuration
hsrp	HSRP startup configuration

Command Mode

- /exec

show startup-config icam

show startup-config icam

Syntax Description

show	show startup-cfg
startup-config	show startup system information
icam	icam services

Command Mode

- /exec

show startup-config icmpv6

show startup-config icmpv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
icmpv6	Display icmpv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config igmp

show startup-config igmp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
igmp	Display igmp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config imp

show startup-config imp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
imp	Display imp information
all	(Optional) Display start config with defaults clis

Command Mode

- /exec

show startup-config interface

show startup-config interface [<if0>] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
<i>if0</i>	(Optional) interface type and number in module/slot format
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config interface

show startup-config interface <if0> [membership] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
<i>if0</i>	interface type and number in module/slot format
membership	(Optional) Show membership information
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config intersight

show startup-config intersight

Syntax Description

show	Show system information
startup-config	Current startup configuration
intersight	Display intersight configurations

Command Mode

- /exec

show startup-config ip

show startup-config ip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ip	Display ip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ipqos

show startup-config ipqos [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config ipv6

show startup-config ipv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ipv6	Display ipv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config isis

show startup-config isis [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
isis	Display isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config l3vm

show startup-config l3vm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
l3vm	Display l3vm information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config ldap

show startup-config ldap

Syntax Description

show	show startup-cfg
startup-config	show startup system information
ldap	Display ldap configuration

Command Mode

- /exec

show startup-config license

show startup-config license [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
license	Display licensing configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config lisp

show startup-config lisp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
lisp	Display lisp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config lldp

```
show startup-config lldp [ all ]
```

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
lldp	Display lldp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config macsec

show startup-config macsec

Syntax Description

show	Show running system information
startup-config	show startup system information
macsec	Show CTS information

Command Mode

- /exec

show startup-config mdns

show startup-config mdns

Syntax Description

show	show startup-cfg
startup-config	show startup system information
mdns	MDNS startup configuration

Command Mode

- /exec

show startup-config mfwd

show startup-config { mfwd | mcastfwd } [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mcastfwd	Display MCASTFWD information
mfwd	Display MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config mfv6

```
show startup-config { mfv6 | mcastfv6 } [ all ]
```

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mcastfv6	Display IPV6 MCASTFWD information
mfv6	Display IPV6 MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config mld

show startup-config mld [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mld	Display MLD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config mmode

show startup-config mmode [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
mmode	Display maintenance mode startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config monitor

show startup-config monitor

Syntax Description

show	Show running system information
startup-config	Current startup configuration
monitor	Configure Ethernet SPAN sessions

Command Mode

- /exec

show startup-config mpls static

show startup-config mpls static [all]

Syntax Description

show	Show running system information
startup-config	Current operating configuration
mpls	Display MPLS status and configuration
static	Static Label Bindings
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show startup-config mpls strip

show startup-config mpls strip [all]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
startup-config	System startup configuration
all	(Optional) Show startup configuration for STRIPCL with defaults

Command Mode

- /exec

show startup-config msdp

show startup-config msdp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
msdp	Display msdp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config nat

show startup-config nat [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
nat	show startup config for nat
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config nbm

show startup-config nbm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
nbm	Non Blocking Multicast

Command Mode

- /exec

show startup-config ngoam

show startup-config ngoam

Syntax Description

show	Show running system information
startup-config	Show startup system information
ngoam	ngoam configuration

Command Mode

- /exec

show startup-config ntp

show startup-config ntp [all]

Syntax Description

show	Show information
startup-config	Show startup system configuration
ntp	Show NTP information
all	(Optional) Show all NTP startup configuration

Command Mode

- /exec

show startup-config nv overlay

show startup-config nv overlay [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
nv	NVE startup configuration
overlay	NVE startup configuration
all	(Optional) Show NVE config with defaults

Command Mode

- /exec

show startup-config nxsdk

show startup-config nxsdk [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
nxsdk	NXOS SDK
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config ofm

show startup-config ofm [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
ofm	Overlay Flow/Policy Manager startup configuration
all	(Optional) Show config with defaults

Command Mode

- /exec

show startup-config openconfig

show startup-config openconfig [all]

Syntax Description

show	Show startup system information
startup-config	Current startup configuration
openconfig	OpenConfig Model Service App
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config ospf

show startup-config ospf [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospf	Display ospf information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ospfv3

show startup-config ospfv3 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospfv3	Display ospfv3 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config otv-isis

show startup-config otv-isis [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
otv-isis	Display otv-isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config param-list

show startup-config param-list [<plistname>]

Syntax Description

show	Show startup-cfg
startup-config	show startup configuration
param-list	Display param-list configuration
<i>plistname</i>	(Optional) Enter the name of the param list

Command Mode

- /exec

show startup-config pim

show startup-config pim [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim	Display pim information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config pim6

show startup-config pim6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim6	Display pim6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config poe

show startup-config poe [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
poe	Power over Ethernet
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config port-profile

show startup-config port-profile [<all_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
port-profile	Display port-profile configuration
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config port-security

show startup-config port-security [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
port-security	Display port-security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config ptp

show startup-config ptp [all]

Syntax Description

show	show system information
startup-config	show startup system information
ptp	Show startup configuration for ptp
all	(Optional) Show startup configuration for PTP with defaults

Command Mode

- /exec

show startup-config radius

show startup-config radius

Syntax Description

show	show startup-cfg
startup-config	show startup system information
radius	Display radius configuration

Command Mode

- /exec

show startup-config rip

show startup-config rip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rip	Display rip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config routing ip multicast

show startup-config routing { ip | ipv4 } multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ip	Display IP information
ipv4	Display IP information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config routing ipv6 multicast

show startup-config routing ipv6 multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config rpm

show startup-config rpm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rpm	Display Route Policy Manager (RPM) information
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config scheduler

show startup-config scheduler [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
scheduler	Show scheduler config or data
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config security

show startup-config security

Syntax Description

show	show startup-cfg
startup-config	show startup system information
security	Display security configuration

Command Mode

- /exec

show startup-config segment-routing

show startup-config segment-routing [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
segment-routing	Display segment-routing startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config services

show startup-config services

Syntax Description

show	show startup-cfg
startup-config	show startup system information
services	services

Command Mode

- /exec

show startup-config sflow

```
show startup-config { sflow } [ all ]
```

Syntax Description

show	Show system information
startup-config	Current startup configuration
sflow	show startup config for sflow
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config sla responder

show startup-config sla responder

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
responder	Show information about sla-responder

Command Mode

- /exec

show startup-config sla sender

show startup-config sla sender

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
sender	Show information about sla-sender

Command Mode

- /exec

show startup-config sla twamp-server

show startup-config sla twamp-server

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
twamp-server	Show information about twamp-server

Command Mode

- /exec

show startup-config snmp

show startup-config snmp [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
snmp	Display snmp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config srte

show startup-config srte

Syntax Description

show	Show running system information
startup-config	Current operating configuration
srte	SRTE

Command Mode

- /exec

show startup-config storm-control

show startup-config storm-control

Syntax Description

show	Show running system information
startup-config	Current startup configuration
storm-control	show config for storm-control

Command Mode

- /exec

show startup-config switch

show startup-config { switch-profile | include-switch-profile }

Syntax Description

show	Show running system information
startup-config	System startup configuration
switch-profile	Show switch-profile information
include-switch-profile	Show startup and switch-profile configuration

Command Mode

- /exec

show startup-config sync

show startup-config sync [all]

Syntax Description

startup-config	Current startup configuration
sync	show startup config for sync
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config tacacs

show startup-config tacacs +

Syntax Description

show	show startup-cfg
startup-config	show startup system information

Command Mode

- /exec

show startup-config telemetry

show startup-config telemetry [all]

Syntax Description

show	show startup system configuration
startup-config	show startup system information
telemetry	Display telemetry configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config track

show startup-config track

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
track	Show the track startup configuration

Command Mode

- /exec

show startup-config tunnel-encryption

show startup-config tunnel-encryption

Syntax Description

show	Show running system information
startup-config	show startup system information
tunnel-encryption	Show information about Tunnel Encryption Manager

Command Mode

- /exec

show startup-config udd

show startup-config udd

Syntax Description

show	Show running system information
startup-config	Current startup configuration
udd	Show udd configuration

Command Mode

- /exec

show startup-config vdc-all

show startup-config vdc-all

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vdc-all	Display config from all VDC

Command Mode

- /exec

show startup-config vdc

show startup-config vdc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
vdc	Show Virtual Device Contexts
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config virtual-service

show startup-config virtual-service

Syntax Description

show	Show running system information
startup-config	System startup-config commands
virtual-service	Show startup config for virtualization services

Command Mode

- /exec

show startup-config vlan

show startup-config vlan

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands

Command Mode

- /exec

show startup-config vlan

show startup-config vlan <vlan-id>

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show startup-config vmtracker

show startup-config vmtracker [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
vmtracker	Show VMTracker configuration
all	(Optional) Show VMTracker config with defaults

Command Mode

- /exec

show startup-config vpc

show startup-config vpc [all]

Syntax Description

startup-config	Current startup configuration
vpc	show startup config for vPC
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config vrf

```
show startup-config vrf <vrf-cfg-name> [ all ]
```

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
<i>vrf-cfg-name</i>	Configurable VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrf default

show startup-config vrf default [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
default	Known VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrrpv3

show startup-config vrrpv3 [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
vrrpv3	VRRPv3 startup configuration
all	(Optional) show startup config of VRRPv3 with defaults

Command Mode

- /exec

show startup-config vshd

show startup-config vshd

Syntax Description

show	Show startup system information
startup-config	Current startup configuration
vshd	Show startup config for vshd

Command Mode

- /exec

show startup-config vtp

show startup-config vtp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vtp	Show startup configuration for VTP
all	(Optional) Show startup configuration for VTP with defaults

Command Mode

- /exec

show startup-config wwnm

show startup-config wwnm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
wwnm	Display WWN Manager startup configuration

Command Mode

- /exec

show startup-config zone

show startup-config zone

Syntax Description

show	Show running system information
startup-config	Current startup configuration
zone	Display zone server startup configuration

Command Mode

- /exec

show startup-config zone vsan

show startup-config zone vsan <vsan-id>

Syntax Description

show	Show running system information
startup-config	Current startup configuration
zone	Display zone server startup configuration per vsan
vsan	Vsan commands
<i>vsan-id</i>	Vsan id

Command Mode

- /exec

show summary

```
show { ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 [ { unicast | multicast } ] ] } summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show switch-profile

```
show switch-profile [ <profile-name> ] { session-history | status commit }
```

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
session-history	Switch-profile session-history
<i>profile-name</i>	(Optional) switch-profile name
status	Switch-profile sync status
commit	Switch-profile last commit status

Command Mode

- /exec

show switch-profile

show switch-profile

Syntax Description

show	Show running system information
switch-profile	Show switch-profiles

Command Mode

- /exec

show switch-profile buffer

show switch-profile [<profile-name>] buffer

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
buffer	buffered commands
<i>profile-name</i>	(Optional) switch-profile name

Command Mode

- /exec

show switch-profile peer

```
show switch-profile [ <profile-name> ] peer [ <dest-ip> ] [ details ]
```

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
<i>profile-name</i>	(Optional) switch-profile name
peer	peer info
<i>dest-ip</i>	(Optional) IPv4 address (A.B.C.D) of destination
details	(Optional) information in detail

Command Mode

- /exec

show switch-profile status

show switch-profile [<profile-name>] status

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
status	Switch-profile sync status
<i>profile-name</i>	(Optional) switch-profile name

Command Mode

- /exec

show switching-mode

show switching-mode

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode

Command Mode

- /exec

show switching-mode fabric-speed

show switching-mode fabric-speed

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode
fabric-speed	Show the fabric speed

Command Mode

- /exec

show system acl

show system acl

Syntax Description

show	Show running system information
system	System management commands
acl	ACL parameters

Command Mode

- /exec

show system auto-collect tech-support

show system auto-collect tech-support

Syntax Description

show	Show running system information
system	System management commands
auto-collect	Auto collection of information
tech-support	Collect tech-support in case of service causing supervisor reset

Command Mode

- /exec

show system boottime

show system boottime

Syntax Description

show	Show running system information
system	System-related show commands
boottime	Show platform boot time of each module

Command Mode

- /exec

show system config reload-pending

show system config reload-pending

Syntax Description

show	Show running system information
system	System-related show commands
config	Config commands which require reload
reload-pending	Commands which require a reload

Command Mode

- /exec

show system cores

show system cores

Syntax Description

show	Show running system information
system	System-related show commands
cores	Displays core transfer option

Command Mode

- /exec

show system default switchport

show system default switchport

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show system default zone

show system default zone

Syntax Description

show	Show running system information
system	System-related show commands
default	Show system default values
zone	Show default values for zone

Command Mode

- /exec

show system device-connector claim-info

show system device-connector claim-info

Syntax Description

show	Show running system information
system	Show system information
device-connector	Show intersight device-connector information
claim-info	Device Identifier and Security token

Command Mode

- /exec

show system device-connector log

show system device-connector log { dc | dcgrpc | cnmi | nae | sim | compliance }

Syntax Description

show	Show running system information
system	Show system information
device-connector	Show intersight device-connector information
log	Log file contents
dc	Device connector logs
dcgrpc	GRPC server logs
cnmi	CNMI logs
nae	Nae logs
sim	SIM Agent logs
compliance	Config compliance logs

Command Mode

- /exec

show system error-id

```
show system error-id { list | <i0> }
```

Syntax Description

show	Show running system information
system	System-related show commands
error-id	Show description about errors
list	Show description about all error IDs
<i>i0</i>	Show description about specific error

Command Mode

- /exec

show system exception-info

show system exception-info

Syntax Description

show	Show running system information
system	System-related show commands
exception-info	Show last exception log information

Command Mode

- /exec

show system fabric-mode

show system fabric-mode

Syntax Description

show	Show running system information
system	Show system information
fabric-mode	Show the fabric operation mode information

Command Mode

- /exec

show system fast-reload stabilization-timer

show system fast-reload stabilization-timer

Syntax Description

show	Show running system information
system	System management commands
fast-reload	fast-reload software
stabilization-timer	Network stabilization time in seconds before fast-reload can be executed after the previous reload

Command Mode

- /exec

show system image-verification

show system image-verification

Syntax Description

show	Show running system information
system	Show system information
image-verification	image signature verification status

Command Mode

- /exec

show system inband cpu-mac log threshold

show system inband cpu-mac log threshold

Syntax Description

show	Show running system information
system	System-related show commands
inband	Show Inband related information
cpu-mac	Show CPU-MACs related information
log	Show log information
threshold	Show inband threshold

Command Mode

- /exec

show system inband queuing statistics

show system inband queuing statistics

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
statistics	Inband statistics

Command Mode

- /exec

show system inband queuing status

show system inband queuing status

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
status	Selective Packet Discard Information

Command Mode

- /exec

show system login

show system login

Syntax Description

show	Show running system information
system	System-related show commands
login	Display Secure Login Configurations and State

Command Mode

- /exec

show system login failures

show system login failures

Syntax Description

show	Show running system information
system	System-related show commands
login	Secure Login
failures	Display Login failures in the current watch period

Command Mode

- /exec

show system memory-thresholds

show system memory-thresholds

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show system mode

show system mode

Syntax Description

show	Show running system information
system	System configuration commands
mode	Show system mode

Command Mode

- /exec

show system nve infra-vlans

show system nve infra-vlans

Syntax Description

show	Show running system information
system	System-related show commands
nve	Show NVE information
infra-vlans	Show NVE infra-vlans related information

Command Mode

- /exec

show system poap

show system poap

Syntax Description

show	Show running system information
system	Show system information
poap	Show information related to POAP

Command Mode

- /exec

show system pss shrink status

show system pss shrink status [details]

Syntax Description

show	Show running system information
system	System-related show commands
pss	Displays last pss shrink status
shrink	Displays last pss shrink status
status	Displays last pss shrink status
details	(Optional) Displays last pss shrink status details

Command Mode

- /exec

show system redundancy ha status

show system redundancy ha status

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
ha	vdc redundancy status
status	all vdc redundancy status

Command Mode

- /exec

show system redundancy status

show system redundancy status

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
status	Current redundancy status

Command Mode

- /exec

show system reset-reason

show system reset-reason <s0> <santa-cruz-range>

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
<i>s0</i>	Show xbar module reset reason
<i>santa-cruz-range</i>	please enter the xbar module number

Command Mode

- /exec

show system reset-reason

show system reset-reason

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason

Command Mode

- /exec

show system reset-reason module

show system reset-reason module <module>

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
module	Show per module reset-reason code
<i>module</i>	please enter module number

Command Mode

- /exec

show system resources

show system resources

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources

Command Mode

- /exec

show system resources all-modules

show system resources all-modules

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
all-modules	Show system resources for all available modules

Command Mode

- /exec

show system routing mode

show system routing mode

Syntax Description

show	Show running system information
system	Show system information
routing	Show routing related information
mode	Show mode related information

Command Mode

- /exec

show system security

show system security [common-criteria | consent-token]

Syntax Description

show	Show running system information
system	System Management commands
security	Security Management commands
common-criteria	(Optional) Show if common-criteria mode is enabled or disabled
consent-token	(Optional) Show if consent-token mode is enabled or disabled

Command Mode

- /exec

show system simulate fan-presence

show system simulate fan-presence

Syntax Description

show	Show running system information
system	System management commands
simulate	Simulate Fan Presence
fan-presence	Simulate Fan Presence

Command Mode

- /exec

show system standby manual-boot

show system standby manual-boot

Syntax Description

show	Show running system information
system	System-related show commands
standby	Displays system standby manual boot option
manual-boot	Displays system standby manual boot option

Command Mode

- /exec

show system switch-mode

show system switch-mode

Syntax Description

show	Show running system information
system	System-related show commands
switch-mode	Show current operational mode of the switch

Command Mode

- /exec

show system uptime

show system uptime

Syntax Description

show	Show running system information
system	System-related show commands
uptime	Show how long the system has been up and running

Command Mode

- /exec

show system verify bios flash

```
show system verify bios { flash <i0> [ module <module> ] | protection <i1> [ module <module1> ] }
```

Syntax Description

show	Show running system information
system	System-related show commands
verify	Verify commands
bios	Verify bios
flash	verify bios flash or protection status
<i>i0</i>	Select primary or alternate flash
module	(Optional) Module number
<i>module</i>	(Optional) Enter module number
protection	verify bios flash or protection status
<i>i1</i>	Select primary or alternate flash
module	(Optional) Module number
<i>module1</i>	(Optional) Enter module number

Command Mode

- /exec

show system vlan reserved

show system vlan reserved

Syntax Description

show	Show running system information
system	system wide configuration
vlan	VLAN status
reserved	Show system VLAN allocation

Command Mode

- /exec



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show table-map

show table-map [<tmap-name> | <default-tmap-enum-name>]

Syntax Description

show	Show running system information
table-map	Table maps
TABLE_tmap	(Optional) all tmap xml sessions
<i>tmap-name</i>	(Optional) Show a particular table map
<i>default-tmap-enum-name</i>	(Optional)

Command Mode

- /exec

show tacacs-server

show tacacs-server

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information

Command Mode

- /exec

show tacacs-server

```
show tacacs-server { <host0> }
```

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
<i>host0</i>	DNS name or IP address

Command Mode

- /exec

show tacacs-server directed-request

show tacacs-server directed-request

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
directed-request	Show directed server enable configuration

Command Mode

- /exec

show tacacs-server groups

show tacacs-server groups [<s0>]

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
groups	Show TACACS+ server group configuration information
<i>s0</i>	(Optional) TACACS+ server group name

Command Mode

- /exec

show tacacs-server sorted

show tacacs-server sorted

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
sorted	Show TACACS+ servers sorted by server name

Command Mode

- /exec

show tacacs-server statistics

show tacacs-server statistics { <host0> }

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
statistics	Show TACACS statistics
<i>host0</i>	DNS name or IP address

Command Mode

- /exec

show tech-support

show tech-support [time-optimized] [forced] [debug-enable]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
forced	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
debug-enable	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support aaa

show tech-support aaa

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
aaa	Display aaa information

Command Mode

- /exec

show tech-support acl

show tech-support acl [{ commands | detail [commands] }]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
acl	Show information for acl technical support
commands	(Optional) Show commands run as part of acl technical support
detail	(Optional) Show detailed information for acl technical support
commands	(Optional) Show commands run as part of acl technical support

Command Mode

- /exec

show tech-support aclmgr

show tech-support aclmgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclmgr	ACL commands
detail	(Optional) Detailed Tech Support

Command Mode

- /exec

show tech-support aclmgr compressed

show tech-support aclmgr compressed <uri0> [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclmgr	ACL commands
compressed	Save compressed aclqos technical support
<i>uri0</i>	Enter filename to store
detail	(Optional) Detailed Tech Support

Command Mode

- /exec

show tech-support aclqos

show tech-support aclqos

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclqos	Show information for aclqos technical support

Command Mode

- /exec

show tech-support aclqos compressed

show tech-support aclqos compressed <uri0>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclqos	Show information for aclqos technical support
compressed	Save compressed aclqos technical support
<i>uri0</i>	Enter filename to store

Command Mode

- /exec

show tech-support adjmgr

show tech-support adjmgr [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
adjmgr	Display Adjmgr information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support all

show tech-support all [space-optimized] [time-optimized]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all	Gather detailed information for troubleshooting
space-optimized	(Optional) Gather tech-support info. using less memory and disk space
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space

Command Mode

- /exec

show tech-support all binary

show tech-support all binary <uri0>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all	Gather detailed information for troubleshooting
binary	Gather tech support for all applications in binary format
<i>uri0</i>	Select destination filesystem to save the binary output (NOTE: The output file name will be automatically generated and cannot be chosen)

Command Mode

- /exec

show tech-support analytics

show tech-support analytics [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
analytics	Show Analytics tech-support information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support app-hosting

show tech-support app-hosting [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
app-hosting	Gather detailed information for appmgr troubleshooting
commands	(Optional) Show commands executed as part of show tech-support app-hosting commands

Command Mode

- /exec

show tech-support arp

show tech-support arp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
arp	Display ARP information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ascii-cfg

show tech-support ascii-cfg

Syntax Description

show	Show running system information
tech-support	Show information for technical support personnel
ascii-cfg	Show ascii-cfg information for technical support personnel

Command Mode

- /exec

show tech-support assoc_mgr

show tech-support assoc_mgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
assoc_mgr	Gather detailed information for assoc_mgr troubleshooting

Command Mode

- /exec

show tech-support backup

show tech-support { backup | flexlink }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
backup	Gather detailed information for Switchport Backup troubleshooting
flexlink	Gather detailed information for Switchport Backup troubleshooting

Command Mode

- /exec

show tech-support bcm

show tech-support bcm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bcm	bcm hardware info

Command Mode

- /exec

show tech-support bfd

show tech-support bfd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bfd	BFD commands

Command Mode

- /exec

show tech-support bgp

show tech-support bgp [brief | detailed]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bgp	Display BGP status and configuration
brief	(Optional) Brief information
detailed	(Optional) Detailed information

Command Mode

- /exec

show tech-support biosd

show tech-support biosd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
biosd	Gather bios install log for trouble shooting

Command Mode

- /exec

show tech-support bloggerd-all

show tech-support bloggerd-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bloggerd-all	Gather detailed information for bloggerd troubleshooting from ALL modules

Command Mode

- /exec

show tech-support bloggerd

show tech-support bloggerd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bloggerd	Gather detailed information for bloggerd troubleshooting

Command Mode

- /exec

show tech-support bootvar

show tech-support bootvar

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bootvar	Gather detailed information for bootvar troubleshooting

Command Mode

- /exec

show tech-support brief

show tech-support brief

Syntax Description

show	Show running system summary information
tech-support	Gather information for troubleshooting
brief	Gather summary information for troubleshooting

Command Mode

- /exec

show tech-support callhome

show tech-support callhome

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
callhome	callhome troubleshooting information

Command Mode

- /exec

show tech-support cdp

show tech-support cdp

Syntax Description

show	show running system information
tech-support	Gather information for troubleshooting
cdp	Gather information for CDP trouble shooting

Command Mode

- /exec

show tech-support cert-enroll

show tech-support cert-enroll

Syntax Description

show	show commands
tech-support	Gather information for troubleshooting
cert-enroll	Display certificates information

Command Mode

- /exec

show tech-support cfs

```
show tech-support cfs [ { commands | name <cfs-dyn-app-name> [ commands1 ] } ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cfs	Gather detailed information for cfs troubleshooting
commands	(Optional) CFS show tech commands
name	(Optional) Gather detailed information of cfs for a specified application
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
commands1	(Optional) CFS application show tech commands

Command Mode

- /exec

show tech-support cli

show tech-support cli

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cli	Gather information for parser troubleshooting

Command Mode

- /exec

show tech-support clis

show tech-support clis [brief] [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
clis	Gather information for CLI Server troubleshooting
brief	(Optional) Detailed information
commands	(Optional) Show commands executed as part of show tech-support clis

Command Mode

- /exec

show tech-support clock_manager

show tech-support clock_manager

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
clock_manager	Gather detailed information for clock manager troubleshooting

Command Mode

- /exec

show tech-support commands

show tech-support commands

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
commands	Show commands executed as part of show tech-support commands

Command Mode

- /exec

show tech-support controller

show tech-support controller

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
controller	Gather information for Controller troubleshooting

Command Mode

- /exec

show tech-support copp

show tech-support copp

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
copp	Gather information for copp trouble shooting

Command Mode

- /exec

show tech-support cores

```
show tech-support cores [ filename { <uri0> | <uri1> [ vrf <vrf-known-name> ] } [ archive { <core-count> | all } ] ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cores	Debugging information for process crashes
filename	(Optional) Create a file with the process crash debugging information and latest core files. Default is show_tech_cores.tar.gz
<i>uri0</i>	(Optional) Destination file system, path, and filename
<i>uri1</i>	(Optional) Destination file system, path, and filename
vrf	(Optional) Enter the vrf name
<i>vrf-known-name</i>	(Optional) VRF name
archive	(Optional) Gather core files from the logflash archive not just the current ones to place in the compressed file
<i>core-count</i>	(Optional) Number of most recent archived core files to gather from logflash
all	(Optional) Attempt to gather all archived core files from logflash

Command Mode

- /exec

show tech-support dcbx

show tech-support dcbx

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dcbx	Gather detailed information for DCBX component

Command Mode

- /exec

show tech-support details

show tech-support details [space-optimized] [time-optimized] [debug-enable]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
details	Gather detailed information for troubleshooting
space-optimized	(Optional) Gather tech-support info. using less memory and disk space
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
debug-enable	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support device-alias

show tech-support device-alias

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
device-alias	Show device-alias technical support information

Command Mode

- /exec

show tech-support dhclient

show tech-support dhclient

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
dhclient	Gather information for dhclient trouble shooting

Command Mode

- /exec

show tech-support dhcp

show tech-support dhcp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dhcp	Gather detailed information for dhcp troubleshooting

Command Mode

- /exec

show tech-support dme

show tech-support dme [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dme	Gather detailed information for dme troubleshooting
commands	(Optional) Show commands executed as part of show tech-support dme

Command Mode

- /exec

show tech-support dot1x

show tech-support dot1x

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
dot1x	Display dot1x information

Command Mode

- /exec

show tech-support dpvm

show tech-support dpvm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dpvm	Show information for dpvm technical support

Command Mode

- /exec

show tech-support ecp

show tech-support ecp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ecp	ECP (Edge Control Protocol)

Command Mode

- /exec

show tech-support eem

show tech-support eem

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
eem	Show EEM tech-support information

Command Mode

- /exec

show tech-support eigrp

show tech-support eigrp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
eigrp	Display EIGRP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support eltm

show tech-support eltm [detail]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
eltm	eltm debug info
detail	(Optional) Detailed information

Command Mode

- /exec

show tech-support epbr

show tech-support epbr

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
epbr	EPBR

Command Mode

- /exec

show tech-support epp

show tech-support epp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
epp	Gather detailed information for EPP troubleshooting

Command Mode

- /exec

show tech-support ethpm

show tech-support ethpm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ethpm	Gather detailed information for ETHPM troubleshooting

Command Mode

- /exec

show tech-support ethport

show tech-support ethport

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ethport	Gather detailed information for ETHPORT troubleshooting

Command Mode

- /exec

show tech-support evb

show tech-support evb

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
evb	EVB (Edge Virtual Bridge)

Command Mode

- /exec

show tech-support fabric forwarding

show tech-support fabric forwarding

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)

Command Mode

- /exec

show tech-support fabric multicast

show tech-support fabric multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabric	Fabric
multicast	Multicast information

Command Mode

- /exec

show tech-support fabricpath isis

show tech-support fabricpath isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
fabricpath	fabricpath information
isis	Fabricpath IS-IS information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support fabricpath topology

show tech-support fabricpath topology [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabricpath	Gather detailed information for Fabricpath troubleshooting
topology	Gather detailed information for Topology troubleshooting
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support fast-reload

show tech-support fast-reload

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fast-reload	Gather information for troubleshooting fast-reload timings

Command Mode

- /exec

show tech-support fc-fcoe

show tech-support fc-fcoe

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fc-fcoe	Gather information for FC-FCOE mgr trouble shooting

Command Mode

- /exec

show tech-support fc2

show tech-support fc2 [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fc2	Show information for fc2 technical support
commands	(Optional) Show commands run as part of fc2 technical support

Command Mode

- /exec

show tech-support fcdomain

show tech-support fcdomain [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcdomain	Gather detailed information for fcdomain troubleshooting
commands	(Optional) Show commands run as part of fcdomain technical support

Command Mode

- /exec

show tech-support fcns

show tech-support fcns [vsan <i0>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcns	Show information for fcns technical support
vsan	(Optional) Show technical support information for a specified vsan
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show tech-support fcs

show tech-support fcs

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcs	Gather detailed information for fcs troubleshooting

Command Mode

- /exec

show tech-support feature

show tech-support feature [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
feature	Gather detailed information for feature troubleshooting
commands	(Optional) Show commands executed as part of show tech-support feature

Command Mode

- /exec

show tech-support fib-all

show tech-support fib-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fib-all	Gather detailed information for FC/FCoE FIB from all modules

Command Mode

- /exec

show tech-support fib module

show tech-support fib module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fib	Gather detailed information for FC/FCoE FIB troubleshooting
module	Gather info related to a fib
<i>module</i>	Enter module number

Command Mode

- /exec

show tech-support fips

show tech-support fips

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fips	show tech support information for security

Command Mode

- /exec

show tech-support flogi

show tech-support flogi

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
flogi	Gather detailed information for flogi troubleshooting

Command Mode

- /exec

show tech-support flow-redirect

show tech-support flow-redirect

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
flow-redirect	Pacl wide mtc ndb redirect

Command Mode

- /exec

show tech-support forwarding l2 multicast

show tech-support forwarding l2 multicast

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l2	layer 2 debug information
multicast	multicast

Command Mode

- /exec

show tech-support forwarding l2 multicast vdc-all

show tech-support forwarding l2 multicast vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l2	layer 2 debug information
multicast	multicast
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l2 unicast

show tech-support forwarding l2 unicast [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
forwarding	Forwarding debug info
l2	layer 2 debug info
unicast	unicast
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support forwarding l3 multicast

show tech-support forwarding l3 multicast

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast

Command Mode

- /exec

show tech-support forwarding l3 multicast detail

show tech-support forwarding l3 multicast detail

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
detail	detail

Command Mode

- /exec

show tech-support forwarding l3 multicast detail vdc-all

show tech-support forwarding l3 multicast detail vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
detail	detail
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l3 multicast vdc-all

show tech-support forwarding l3 multicast vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l3 unicast

show tech-support forwarding l3 unicast [module <module>] [list]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
module	(Optional) module
<i>module</i>	(Optional) module number
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support forwarding l3 unicast detail

show tech-support forwarding l3 unicast detail [module <module>] [list]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
detail	detailed show tech including platform commands
module	(Optional) module
<i>module</i>	(Optional) module number
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support forwarding l3 unicast detail vdc-all

show tech-support forwarding l3 unicast detail vdc-all [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
detail	detailed show tech including platform commands
vdc-all	vdc-all
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support forwarding l3 unicast vdc-all

show tech-support forwarding l3 unicast vdc-all [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
vdc-all	vdc-all
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support forwarding mpls

show tech-support forwarding mpls [module <module>] [evpn]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
mpls	mpls related information
module	(Optional) module
<i>module</i>	(Optional) module number
evpn	(Optional) evpn related tech support

Command Mode

- /exec

show tech-support forwarding multicast

show tech-support forwarding multicast [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
multicast	multicast
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support forwarding multicast nat

show tech-support forwarding multicast nat

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
multicast	multicast
nat	Inat/Enat debug information

Command Mode

- /exec

show tech-support forwarding srv6

show tech-support forwarding srv6 [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
srv6	srv6 debug information
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support frequency synchronization

show tech-support frequency synchronization

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
frequency	Gather detailed information for frequency synchronization troubleshooting
synchronization	Gather detailed information for frequency synchronization troubleshooting

Command Mode

- /exec

show tech-support fspf

show tech-support fspf [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fsfp	Show information for fspf technical support
commands	(Optional) Show commands run as part of fspf technical support

Command Mode

- /exec

show tech-support fsync_mgr

show tech-support fsync_mgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
fsync_mgr	Gather information for fsync_mgr troubleshooting
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support gold

show tech-support gold

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
gold	Show gold tech-support information

Command Mode

- /exec

show tech-support gpixm

show tech-support gpixm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
gpixm	Gather detailed information for GLOBAL-PIXM troubleshooting

Command Mode

- /exec

show tech-support ha

show tech-support ha [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
commands	(Optional) Show commands executed as part of show tech-support ha commands

Command Mode

- /exec

show tech-support ha module

show tech-support ha module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
module	Gather info related to a module
<i>module</i>	Enter module number

Command Mode

- /exec

show tech-support ha_short

show tech-support ha_short [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha_short	Gather shortened version of HA tech-support for troubleshooting
commands	(Optional) Show commands executed as part of show tech-support ha commands

Command Mode

- /exec

show tech-support ha standby

show tech-support ha standby [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
standby	Gather detailed information for HA troubleshooting from standby supervisor
commands	(Optional) Show commands executed as part of show tech-support ha standby commands

Command Mode

- /exec

show tech-support hardware-telemetry

show tech-support hardware-telemetry

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
hardware-telemetry	Hardware Telemetry Information

Command Mode

- /exec

show tech-support hsrp

show tech-support hsrp

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
hsrp	Show hsrp tech-support information

Command Mode

- /exec

show tech-support hsrp brief

show tech-support hsrp brief

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
hsrp	Show hsrp tech-support information
brief	Show tech-support information in brief

Command Mode

- /exec

show tech-support icam

show tech-support icam [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
icam	icam - TCAM Analytics
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support icmpv6

show tech-support icmpv6 [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
icmpv6	Display Icmpv6 information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support im

show tech-support im

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
im	Gather detailed information for IM troubleshooting

Command Mode

- /exec

show tech-support imp

show tech-support imp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
imp	IMP commands

Command Mode

- /exec

show tech-support inband counters

show tech-support inband counters

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
inband	Gather all information about inband data path
counters	Gather all counters in inband data path

Command Mode

- /exec

show tech-support include-time

show tech-support include-time

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
include-time	Gather tech-support and capture time taken to execute each command

Command Mode

- /exec

show tech-support install

show tech-support install

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
install	Gather detailed information for rpm/package install operation

Command Mode

- /exec

show tech-support interface-vlan

show tech-support interface-vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
interface-vlan	Gather detailed information for interface-vlan troubleshooting

Command Mode

- /exec

show tech-support interfaces all

show tech-support interfaces all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
interfaces	Gather information for interfaces troubleshooting
all	Gather detailed information for interfaces troubleshooting

Command Mode

- /exec

show tech-support intersight

show tech-support intersight

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
intersight	intersight tech support

Command Mode

- /exec

show tech-support ip

show tech-support ip [brief | static-routes]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
brief	(Optional) Brief information
static-routes	(Optional) Static-Routes information

Command Mode

- /exec

show tech-support ip igmp

show tech-support ip igmp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
igmp	Display IGMP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip igmp snooping

show tech-support ip igmp snooping [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip msdp

show tech-support ip msdp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
msdp	Display MSDP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip pim

show tech-support ip pim [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
pim	PIM global configuration commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipqos

show tech-support ipqos [server-only] [all] [snmp]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
server-only	(Optional) Dump the tech-support information only from IP QoS Manager server only
all	(Optional) Dump the tech-support information IP QoS Manager plus brief summary of system
snmp	(Optional) Dump the tech-support information only from IP QoS Manager server only (SNMP only)

Command Mode

- /exec

show tech-support ipv6

show tech-support ipv6 [brief | static-routes]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
brief	(Optional) Brief information
static-routes	(Optional) Static-Routes information

Command Mode

- /exec

show tech-support ipv6 mfwd

show tech-support ipv6 mfwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mfwd	Display MCASTFWD v6 status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 mld

show tech-support ipv6 mld [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 mld snooping

show tech-support ipv6 mld snooping [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 multicast

show tech-support ipv6 multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
multicast	Display V6 Multicast information

Command Mode

- /exec

show tech-support ipv6 pim

show tech-support ipv6 pim [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
pim	PIM6 global configuration commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support isis

show tech-support isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
isis	IS-IS events
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support issu

show tech-support issu [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
issu	Gather detailed information for issu troubleshooting
commands	(Optional) Show commands executed as part of show tech-support issu command

Command Mode

- /exec

show tech-support kstack

show tech-support kstack

Syntax Description

show	
tech-support	tech-support information
kstack	kstack information

Command Mode

- /exec

show tech-support l2

show tech-support l2

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2	Gather detailed information for layer 2 troubleshooting

Command Mode

- /exec

show tech-support l2fm

show tech-support l2fm

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info

Command Mode

- /exec

show tech-support l2fm clients

show tech-support l2fm clients [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2fm	l2fm debug info
clients	debug info of l2fm clients only running on linecard(mtm)
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support l2fm detail

show tech-support l2fm detail [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2fm	l2fm debug info
detail	All info related to l2fm
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support l2fm l2dbg

show tech-support l2fm l2dbg [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info
l2dbg	tech support capturing additional debug info for l2fm(l2dbg)
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support l2fm l2dbg

```
show tech-support l2fm l2dbg [ module <module> ]
```

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info
l2dbg	tech support capturing additional debug info for l2fm(l2dbg)
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support l2rib

show tech-support l2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2rib	Display L2RIB information

Command Mode

- /exec

show tech-support l3vm

show tech-support l3vm [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l3vm	Display VRF information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support l3vpn

show tech-support l3vpn [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l3vpn	BGP l3vpn information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support lacp

show tech-support lacp [all]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lacp	Gather detailed information for LACP component
all	(Optional) Gather detailed information of LACP and related components

Command Mode

- /exec

show tech-support ldap

show tech-support ldap

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
ldap	Display ldap information

Command Mode

- /exec

show tech-support license

show tech-support license

Syntax Description

show	show commands
tech-support	Gather information for troubleshooting
license	Display licensing information

Command Mode

- /exec

show tech-support lim

show tech-support lim

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lim	Gather detailed information for LIM troubleshooting

Command Mode

- /exec

show tech-support lisp

show tech-support lisp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lisp	LISP show commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support lldp

show tech-support lldp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lldp	Gather detailed information for LLDP troubleshooting

Command Mode

- /exec

show tech-support logging

show tech-support logging

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
logging	Show information on logging for technical support staff

Command Mode

- /exec

show tech-support m2rib

show tech-support m2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
m2rib	Gather detailed information for M2RIB troubleshooting

Command Mode

- /exec

show tech-support macsec

show tech-support macsec

Syntax Description

tech-support	Gather information for troubleshooting
macsec	Gather information for macsec troubleshooting

Command Mode

- /exec

show tech-support macsec detail

show tech-support macsec detail [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
macsec	macsec debug info
detail	All info related to MACsec
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support mdns

show tech-support mdns

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mdns	mDNS

Command Mode

- /exec

show tech-support memory

show tech-support memory

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
memory	Gather detailed information of memory for Kernal debugging

Command Mode

- /exec

show tech-support mfwd

show tech-support mfwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mfwd	Display MCASTFWD status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mmode

show tech-support mmode

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mmode	Gather information for troubleshooting mmode

Command Mode

- /exec

show tech-support module

show tech-support module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
module	Gather info related to a module
<i>module</i>	Enter module number

Command Mode

- /exec

show tech-support module all

show tech-support module all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
module	Gather info related to a module
all	Gather info related to all modules in the system

Command Mode

- /exec

show tech-support monitor

show tech-support monitor

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitor	Gather detailed information for monitor troubleshooting

Command Mode

- /exec

show tech-support monitor erspan

show tech-support monitor erspan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitor	Gather detailed information for monitor troubleshooting
erspan	Gather detailed information for erspan session troubleshooting

Command Mode

- /exec

show tech-support monitorc-all

show tech-support monitorc-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitorc-all	Gather detailed information for LC MONITORC troubleshooting

Command Mode

- /exec

show tech-support mpls manager

```
{ show tech-support mpls manager }
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	MPLS
manager	MPLS-Mgr

Command Mode

- /exec

show tech-support mpls oam

show tech-support mpls oam

Syntax Description

show	Show running system information
tech-support	Gather MPLS OAM information
mpls	Display MPLS status and configuration
oam	Gather MPLS OAM information

Command Mode

- /exec

show tech-support mpls static

show tech-support mpls static [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	Display MPLS status and configuration
static	Display STATIC configuration and status for troubleshooting
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mpls strip

show tech-support mpls strip

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
mpls	MPLS
strip	Gather MPLS label strip troubleshooting info

Command Mode

- /exec

show tech-support mpls switching

show tech-support mpls switching

Syntax Description

show	Show running system information
tech-support	Gather MPLS switching information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database

Command Mode

- /exec

show tech-support mpls fwd

show tech-support mpls fwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mplsfwd	Display MPLS forwarding information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support multicast-vxlan-evpn

show tech-support multicast-vxlan-evpn

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
multicast-vxlan-evpn	Multicast VxLAN EVPN feature

Command Mode

- /exec

show tech-support multicast

show tech-support [ip | ipv4] multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information

Command Mode

- /exec

show tech-support mvpn

show tech-support mvpn [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mvpn	Display Multicast VPN information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support nat

show tech-support nat

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nat	Gather information for troubleshooting NAT

Command Mode

- /exec

show tech-support nbm

show tech-support nbm [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
nbm	Non Blocking Multicast
brief	(Optional) Minimal information

Command Mode

- /exec

show tech-support nbm group

show tech-support nbm group <grp> [source <src>] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
nbm	Non Blocking Multicast
group	Multicast group
<i>grp</i>	Multicast group address
source	(Optional) Source IP address
<i>src</i>	(Optional) Source unicast IP address
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

show tech-support netflow

show tech-support netflow [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
netflow	Show NetFlow tech-support information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support netstack

show tech-support netstack

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting

Command Mode

- /exec

show tech-support netstack detail

show tech-support netstack detail

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting
detail	Gather detailed information for NETSTACK troubleshooting

Command Mode

- /exec

show tech-support nexus9000v

show tech-support nexus9000v

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
nexus9000v	Gather information for Nexus 9000v virtualization infrastructure trouble shooting

Command Mode

- /exec

show tech-support ngoam

show tech-support ngoam

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
ngoam	ngoam

Command Mode

- /exec

show tech-support npacl

show tech-support npacl [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npacl	Display npacl information
brief	(Optional) Brief npacl information

Command Mode

- /exec

show tech-support npv

show tech-support npv

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npv	Show information for NPV technical support staff

Command Mode

- /exec

show tech-support ns

show tech-support ns

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ns	Gather detailed information for northstar asic

Command Mode

- /exec

show tech-support ntp

show tech-support ntp

Syntax Description

show	show running system information
tech-support	Gather information for trouble shooting
ntp	Gather information for NTP trouble shooting

Command Mode

- /exec

show tech-support nve

show tech-support nve

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
nve	Display NVE information

Command Mode

- /exec

show tech-support nxapi

show tech-support nxapi

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxapi	Gather detailed information for nxapi troubleshooting

Command Mode

- /exec

show tech-support nxsdk

show tech-support nxsdk

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxsdk	NXOS SDK

Command Mode

- /exec

show tech-support object-store

show tech-support object-store

Syntax Description

show	Show Object Store
tech-support	Gather information for troubleshooting
object-store	Gather information from object store for Controller troubleshooting

Command Mode

- /exec

show tech-support ofm

show tech-support ofm [vni-interface]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ofm	Overlay Flow Manager
vni-interface	(Optional) Dump the tech-support info for OFM vni-intf

Command Mode

- /exec

show tech-support ofm

show tech-support ofm [server-only] [flow-interface] [all]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
server-only	(Optional) Dump the tech-support information only from Overlay Flow Manager server only
flow-interface	(Optional) Dump the tech-support info for OFM ELTM IFTMC and SDK components
all	(Optional) Dump the tech-support information OFM plus brief summary of system

Command Mode

- /exec

show tech-support openconfig

show tech-support openconfig

Syntax Description

show	Show
tech-support	Gathering information for troubleshooting openconfig
openconfig	OpenConfig Model Service App

Command Mode

- /exec

show tech-support ospf

show tech-support ospf [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ospf	Display OSPF status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ospfv3

show tech-support ospfv3 [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ospfv3	Display OSPFv3 status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support otv isis

show tech-support otv isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
otv	IS-IS events
isis	IS-IS events
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support page

show tech-support page [time-optimized] [forced]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
page	Page through the output
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
forced	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support patch

show tech-support patch

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
patch	Gather detailed information for patch troubleshooting

Command Mode

- /exec

show tech-support pbr

{ show tech-support pbr }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pbr	Display Policy Based Routing (PBR) information

Command Mode

- /exec

show tech-support pfstat

show tech-support pfstat

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pfstat	Gather detailed information for pfstat troubleshooting

Command Mode

- /exec

show tech-support pie

show tech-support pie

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pie	Gather detailed information of feature pie debugging

Command Mode

- /exec

show tech-support pixm-all

show tech-support pixm-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixm-all	Gather detailed information for PIXM troubleshooting

Command Mode

- /exec

show tech-support pixm

show tech-support pixm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixm	Gather detailed information for vdc-local-PIXM troubleshooting

Command Mode

- /exec

show tech-support pixmc-all

show tech-support pixmc-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixmc-all	Gather detailed information for LC PIXMC troubleshooting

Command Mode

- /exec

show tech-support pktmgr

show tech-support pktmgr [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pktmgr	Display Packet Manager information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support platform-sdk

show tech-support platform-sdk

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
platform-sdk	Gather detailed information for platform-sdk troubleshooting

Command Mode

- /exec

show tech-support platform

show tech-support platform

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
platform	Get platform related information

Command Mode

- /exec

show tech-support plcmgr

show tech-support plcmgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
plcmgr	Policy Manager
detail	(Optional) Print more details (e.g. messages,etc)

Command Mode

- /exec

show tech-support pltfm-config

show tech-support pltfm-config

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pltfm-config	Gather detailed information for pltfm-config troubleshooting

Command Mode

- /exec

show tech-support pnp

show tech-support pnp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pnp	Show Technical support for Plug and Play

Command Mode

- /exec

show tech-support poap

show tech-support poap

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
poap	Gather detailed information for poap troubleshooting

Command Mode

- /exec

show tech-support poe

show tech-support poe

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
poe	Gather information for PoE trouble shooting

Command Mode

- /exec

show tech-support port-channel

show tech-support port-channel

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-channel	Gather detailed information for port channel troubleshooting

Command Mode

- /exec

show tech-support port-client-all

show tech-support port-client-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-client-all	Gather detailed information for LC port client troubleshooting

Command Mode

- /exec

show tech-support port-security

show tech-support port-security

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
port-security	Port security related command

Command Mode

- /exec

show tech-support port

show tech-support port

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port	Gather detailed information for port manager troubleshooting

Command Mode

- /exec

show tech-support port

show tech-support { port-profile | config-profile }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-profile	Gather information for troubleshooting port-profiles
config-profile	Gather information for troubleshooting config-profiles

Command Mode

- /exec

show tech-support private-vlan

show tech-support private-vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
private-vlan	Gather detailed information for private-vlan troubleshooting

Command Mode

- /exec

show tech-support pss

show tech-support pss

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pss	Gather detailed information for PSS troubleshooting

Command Mode

- /exec

show tech-support ptp

show tech-support ptp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ptp	Gather detailed information for PTP troubleshooting

Command Mode

- /exec

show tech-support radius

show tech-support radius

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
radius	Display radius information

Command Mode

- /exec

show tech-support rib

show tech-support rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rib	Gather detailed information for rib troubleshooting

Command Mode

- /exec

show tech-support rip

show tech-support rip [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rip	Display RIP routing protocol status
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing

show tech-support routing [ip | ipv4] [unicast] [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing ipv6

show tech-support routing ipv6 [unicast] [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing ipv6 multicast

show tech-support routing ipv6 multicast [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display V6 Multicast information
brief	(Optional) Display brief information

Command Mode

- /exec

show tech-support routing multicast

show tech-support routing [ip | ipv4] multicast [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information
brief	(Optional) Display brief information

Command Mode

- /exec

show tech-support rpm

```
{ show tech-support rpm }
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rpm	Display Route Policy Manager (RPM) information

Command Mode

- /exec

show tech-support rscn

show tech-support rscn [vsan <i0>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vsan	(Optional) Show technical support information for a specified vsan
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show tech-support sal

show tech-support sal

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sal	Show SAL tech-support information

Command Mode

- /exec

show tech-support san-port-channel

show tech-support san-port-channel

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san-port-channel	Gather detailed information for san port channel troubleshooting

Command Mode

- /exec

show tech-support san

show tech-support san

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san	Gather information for SAN trouble shooting

Command Mode

- /exec

show tech-support satmgr

show tech-support satmgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
satmgr	Gather detailed information for satmgr troubleshooting

Command Mode

- /exec

show tech-support security

show tech-support security

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
security	show tech support information for security

Command Mode

- /exec

show tech-support segment-routing

show tech-support segment-routing

Syntax Description

show	Show running system information
tech-support	Gather tech-support information
segment-routing	Segment-routing tech-support

Command Mode

- /exec

show tech-support services

show tech-support services [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
services	Services
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support session-mgr

show tech-support session-mgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
session-mgr	Gather information for troubleshooting session manager

Command Mode

- /exec

show tech-support sflow

show tech-support sflow

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sflow	Gather detailed information for sflow feature

Command Mode

- /exec

show tech-support single-jericho

show tech-support single-jericho

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
single-jericho	Gather detailed information for single-jericho troubleshooting

Command Mode

- /exec

show tech-support sksd

show tech-support sksd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sksd	show tech support information for sksd

Command Mode

- /exec

show tech-support sla responder

show tech-support sla responder [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
responder	Configure sla-responder tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support sla sender

show tech-support sla sender [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
sender	Configure sla-sender tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support sla twamp-server

show tech-support sla twamp-server [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
twamp-server	Configure sla-twamp-server tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support slowdrain

show tech-support slowdrain [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
slowdrain	Gather detailed information for slowdrain troubleshooting
commands	(Optional) Show commands executed as part of show tech-support slowdrain command

Command Mode

- /exec

show tech-support smm

show tech-support smm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
smm	Shared memory

Command Mode

- /exec

show tech-support snmp

show tech-support snmp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
snmp	Gather info related to snmp

Command Mode

- /exec

show tech-support sockets

show tech-support sockets [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sockets	Display sockets status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support spm

show tech-support spm [<application>] [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
spm	Service Policy Manager
<i>application</i>	(Optional) Specify an application
detail	(Optional) Print more details (e.g. messages,etc)

Command Mode

- /exec

show tech-support srte

show tech-support srte

Syntax Description

show	Show running system information
tech-support	Gather SRTE information
srte	Segment-Routing Traffic Eng

Command Mode

- /exec

show tech-support statsclient

show tech-support statsclient [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
statsclient	Gather statsclient tech-support
module	(Optional) Gather info related to one module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show tech-support stp

show tech-support stp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
stp	Gather detailed information for STP troubleshooting

Command Mode

- /exec

show tech-support sup-filesys

show tech-support sup-filesys

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sup-filesys	File-sys related issue

Command Mode

- /exec

show tech-support super-bridging

show tech-support super-bridging

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
super-bridging	Gather detailed information for super-bridging troubleshooting

Command Mode

- /exec

show tech-support sysmgr

show tech-support sysmgr [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sysmgr	Gather detailed information for sysmgr troubleshooting
commands	(Optional) Show commands executed as part of show tech-support sysmgr

Command Mode

- /exec

show tech-support tacacs

show tech-support tacacs +

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting

Command Mode

- /exec

show tech-support telemetry

show tech-support telemetry

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
telemetry	Gather information for telemetry troubleshooting

Command Mode

- /exec

show tech-support track

show tech-support track

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
track	Show track tech-support information

Command Mode

- /exec

show tech-support trm-pd

show tech-support trm-pd [detail]

Syntax Description

show	Show tech-support
tech-support	Gather information for troubleshooting
trm-pd	TRM platform components
detail	(Optional) Display detailed TRM PD

Command Mode

- /exec

show tech-support trm

show tech-support trm [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
trm	Tenant Routed Multicast information
detail	(Optional) Detailed tech-support for all components

Command Mode

- /exec

show tech-support tunnel-encryption

show tech-support tunnel-encryption [detail]

Syntax Description

tech-support	Gather information for troubleshooting
tunnel-encryption	Gather information for Tunnel-Encryption troubleshooting
detail	(Optional) Detailed information

Command Mode

- /exec

show tech-support tunnel

```
show tech-support tunnel [ { commands | detail [ commands1 ] } ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
tunnel	Gather detailed information for tunnel troubleshooting
commands	(Optional) Lists commands under 'show tunnel tech-support' command
detail	(Optional) Gather detailed information for tunnel troubleshooting
commands1	(Optional) Lists commands under 'Show tech-support tunnel detail' commands

Command Mode

- /exec

show tech-support u2rib

show tech-support u2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
u2rib	Gather detailed information for U2RIB troubleshooting

Command Mode

- /exec

show tech-support udd

show tech-support udd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
udd	Gather detailed information for udd troubleshooting

Command Mode

- /exec

show tech-support usd-all

show tech-support usd-all [time-optimized]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
usd-all	Gather detailed information for LC USD troubleshooting
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space

Command Mode

- /exec

show tech-support vdc

show tech-support vdc

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vdc	Gather detailed information for VDC troubleshooting

Command Mode

- /exec

show tech-support virtual-service

show tech-support virtual-service

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
virtual-service	Gather information for virtualization services trouble shooting

Command Mode

- /exec

show tech-support vlan

show tech-support vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vlan	Gather detailed information for VLAN troubleshooting

Command Mode

- /exec

show tech-support vmtracker

show tech-support vmtracker

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vmtracker	VMTRACKER commands

Command Mode

- /exec

show tech-support vpc

show tech-support vpc

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vpc	Gather detailed information for VPC troubleshooting

Command Mode

- /exec

show tech-support vrrp

show tech-support vrrp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vrrp	Show information for vrrp technical support

Command Mode

- /exec

show tech-support vrrp brief

show tech-support vrrp brief

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vrrp	Show information for vrrp technical support
brief	Show information for vrrp technical support in brief

Command Mode

- /exec

show tech-support vrrpv3

show tech-support vrrpv3 [detail]

Syntax Description

vrrpv3	VRRPv3 configuration commands
show	Show running system information
tech-support	Gather information for trouble shooting
detail	(Optional) Detailed output

Command Mode

- /exec

show tech-support vsan

show tech-support vsan [<i0> | commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vsan	Gather detailed information for vsan troubleshooting
<i>i0</i>	(Optional) VSAN id range
commands	(Optional) Show commands run as part of vsan technical support

Command Mode

- /exec

show tech-support vshd

show tech-support vshd

Syntax Description

show	Show running system information
tech-support	Show information for technical support
vshd	Show vshd information for technical support

Command Mode

- /exec

show tech-support vtp

show tech-support vtp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vtp	Gather detailed information for vtp troubleshooting

Command Mode

- /exec

show tech-support vvlan

show tech-support vvlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vvlan	Gather detailed information for Voice VLAN troubleshooting

Command Mode

- /exec

show tech-support vxlan-evpn

show tech-support vxlan-evpn

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
vxlan-evpn	VxLAN evpn feature

Command Mode

- /exec

show tech-support vxlan

show tech-support vxlan

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
vxlan	VxLAN feature

Command Mode

- /exec

show tech-support vxlan platform

show tech-support vxlan platform

Syntax Description

show	Show tech-support
tech-support	Gather information for troubleshooting
vxlan	VxLAN components
platform	VxLAN platform components

Command Mode

- /exec

show tech-support xbar

show tech-support xbar

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
xbar	Show xbar tech-support information

Command Mode

- /exec

show tech-support xml

show tech-support xml

Syntax Description

show	show running system information
tech-support	Gather information for trouble shooting
xml	Gather information for xml trouble shooting

Command Mode

- /exec

show tech-support xos

show tech-support xos [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
xos	Cross-OS Library Information and Traces
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support zone

show tech-support zone [[commands] [vsan <i0>]]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
zone	Show information for zoneserver technical support
vsan	(Optional) Show technical support information for a specified vsan
commands	(Optional) Show tech-support commands for zoneserver
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show telemetry config errors

show telemetry config errors

Syntax Description

show	Show running system information
telemetry	Show telemetry info
config	config errors information
errors	show telemetry configuration errors information

Command Mode

- /exec

show telemetry control database

```
show telemetry control { database [ subscriptions | destination-groups | destinations | [ { [ sensor-paths |
sensor-groups ] [ detail ] } ] ] | stats }
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
control	Show telemetry control
database	Show database
subscriptions	(Optional) Show subscriptions
destination-groups	(Optional) Show destination-groups
destinations	(Optional) Show destinations
sensor-paths	(Optional) Show sensor-paths
sensor-groups	(Optional) Show sensor-groups
detail	(Optional) Show completed id
stats	Show stats

Command Mode

- /exec

show telemetry data collector brief

show telemetry data collector { brief | details }

Syntax Description

show	Show running system information
telemetry	Show telemetry info
data	Show telemetry data info
collector	Show telemetry data collector info
brief	Show component level data collection stats
details	Show path level data collection stats

Command Mode

- /exec

show telemetry dynamic configuration

show telemetry dynamic configuration

Syntax Description

show	Show information
telemetry	Show telemetry info
dynamic	Show telemetry dynamic configuration
configuration	Show telemetry dynamic configuration

Command Mode

- /exec

show telemetry event collector stats

show telemetry event collector { stats | errors }

Syntax Description

show	Show running system information
telemetry	Show telemetry info
event	Show telemetry event info
collector	Show telemetry event collector info
stats	Show all tm stat info
errors	Show all tm error info

Command Mode

- /exec

show telemetry pipeline stats

show telemetry pipeline stats

Syntax Description

show	Show running system information
telemetry	Show telemetry info
pipeline	Show telemetry pipeline info
stats	Show all telemetry pipeline stats

Command Mode

- /exec

show telemetry port-counters

show telemetry port-counters [interface <if_name>]

Syntax Description

show	Show information
telemetry	Show telemetry info
port-counters	Show telemetry port-counters
interface	(Optional) Show telemetry port-counters interface
<i>if_name</i>	(Optional) Physical interface

Command Mode

- /exec

show telemetry syslog-filter

show telemetry syslog-filter

Syntax Description

show	Show running system information
telemetry	Show telemetry info
syslog-filter	syslog filter information

Command Mode

- /exec

show telemetry transport

show telemetry transport { sessions | stats | errors | all }

Syntax Description

show	Show running system information
telemetry	Show telemetry info
transport	Show telemetry transport info
stats	Show all tm stat info
errors	Show all tm error info
sessions	Show transport sessions info
all	Show all transport info

Command Mode

- /exec

show telemetry transport

```
show telemetry transport [ { <session_id> [ { stats | errors | kafka-info } ] | kafka } ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
transport	Show telemetry transport info
<i>session_id</i>	(Optional) Session id
stats	(Optional) Show all tm stat info
errors	(Optional) Show all tm error info
kafka	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
kafka-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show telemetry usability

show telemetry usability { all | environment | interface | vxlan | resources }

Syntax Description

show	Show running system information
telemetry	Show telemetry info
usability	Usability path information
all	show all the usability path query information
environment	show environment query information
interface	show interface query information
vxlan	show vxlan query information
resources	show system resources query information

Command Mode

- /exec

show telemetry yang direct-path cisco-nxos-device

show telemetry yang direct-path cisco-nxos-device

Syntax Description

show	Show running system information
telemetry	Show telemetry info
yang	yang direct path information
direct-path	yang direct path information
cisco-nxos-device	show cisco nxos device direct path information

Command Mode

- /exec

show telnet server

show telnet server

Syntax Description

show	Show running system information
telnet	Show telnet server configuration
server	Show telnet server configuration

Command Mode

- /exec

show terminal

show terminal

Syntax Description

show	Show running system information
terminal	Display terminal configuration parameters

Command Mode

- /exec

show terminal lock

show terminal lock

Syntax Description

show	Show running system information
terminal	Display terminal configuration parameters
lock	Display the session holding the terminal lock

Command Mode

- /exec

show terminal output xml version

show terminal output xml version

Syntax Description

show	Show running system information
terminal	Display
output	Display
xml	Display
version	Display

Command Mode

- /exec

show time-range

show time-range [<time_range_name>]

Syntax Description

show	Show running system information
time-range	Define time range entries
<i>time_range_name</i>	(Optional) Time range name

Command Mode

- /exec

show time-stamp hpt brief

show time-stamp hpt brief

Syntax Description

time-stamp	timestamping
hpt	high precision timestamping
brief	port hpt state list

Command Mode

- /exec

show time-stamp running-config last-changed

show time-stamp running-config last-changed

Syntax Description

show	Show running system information
time-stamp	Time running-config last changed
running-config	Current operating configuration
last-changed	Running configuration last changed

Command Mode

- /exec

show topology

show topology [vsan <i0>]

Syntax Description

show	Show running system information
topology	Show information of connected switches
vsan	(Optional) Enter VSAN
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show topology isl

```
show topology isl [ [ vsan <i0> ] [ detail ] ]
```

Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id range
detail	(Optional) Gives detailed information on isl

Command Mode

- /exec

show topology isl

```
show topology isl [ [ san-port-channel <i1> ] [ detail ] ]
```

Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
san-port-channel	(Optional) Specify the san-port-channel
<i>i1</i>	(Optional) san-port-channel number
detail	(Optional) Gives detailed information on isl

Command Mode

- /exec

show topology isl

show topology isl [detail]

Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
detail	(Optional) Gives detailed information on isl

Command Mode

- /exec

show trace callhome

show trace callhome

Syntax Description

show	Show XOS trace information
trace	Show logging configuration and contents of logfile
callhome	Show callhome logging configuration

Command Mode

- /exec

show track

show track { [<object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list threshold weight | list threshold percentage] } [dynamic]

Syntax Description

show	Negate a command or set its defaults
track	Tracking information
dynamic	(Optional) Entry created by client through API
<i>object-id</i>	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage

Command Mode

- /exec

show track brief

show track { [<object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list threshold weight | list threshold percentage] } [dynamic] brief

Syntax Description

show	Negate a command or set its defaults
track	Tracking information
dynamic	(Optional) Entry created by client through API
<i>object-id</i>	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage
brief	Brief output

Command Mode

- /exec

show troubleshoot l2 mac vlan

show troubleshoot l2 mac <mac-addr> vlan <vlan-id> [detail]

Syntax Description

show	Show running system information
troubleshoot	Display troubleshoot data dump
l2	Display l2 information
mac	MAC address
<i>mac-addr</i>	address
vlan	Vlan ID
<i>vlan-id</i>	vlan number
detail	(Optional) Print detailed debugging info for mac/interface

Command Mode

- /exec

show troubleshoot l2 port-channel

```
show troubleshoot l2 port-channel [ interface <ch-id> ]
```

Syntax Description

show	Show running system information
troubleshoot	Display troubleshoot data dump
l2	Display l2 information
port-channel	Switched Port Channel
interface	(Optional) Interface
<i>ch-id</i>	(Optional) Port-Channel name

Command Mode

- /exec

show troubleshoot l3 vrf

```
show troubleshoot l3 { ipv4 { <dip4-prefix> | <ip-prefix> } [ src-ip <sip4-prefix> ] | ipv6 { <dip6-prefix> | <ip6-prefix> } [ src-ip <sip6-prefix> ] } vrf <vrf-name>
```

Syntax Description

show	
troubleshoot	Display troubleshoot data dump
l3	Display l3 information
ipv4	Choose IPv4 address
ipv6	Choose IPv6 address
<i>dip4-prefix</i>	Display single exact match route for Destination IP
<i>ip-prefix</i>	Display single exact match route, specify prefix/mask
vrf	check routes for a specific VRF
<i>vrf-name</i>	vrf name
src-ip	(Optional) Source IP for routing hash CLI
<i>sip4-prefix</i>	(Optional) Source IPv4 address

Command Mode

- /exec

show trunk protocol

show trunk protocol

Syntax Description

show	Show running system information
trunk	Show trunk information
protocol	Show trunk protocol information

Command Mode

- /exec

show ttag brief

show ttag brief

Syntax Description

ttag	enable ingress packet with ttag on this interface
brief	ttag port in brief list

Command Mode

- /exec

show ttag brief

show ttag brief

Syntax Description

ttag	enable ingress packet with ttag on this interface
brief	ttag port in brief list

Command Mode

- /exec

show tunnel-encryption info global

show tunnel-encryption info global

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-encryption manager information
info	Show information
global	Show tunnel global information

Command Mode

- /exec

show tunnel-encryption policy

show tunnel-encryption policy [<policy_name>]

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-encryption manager information
policy	Show Tunnel-Encryption policy information
<i>policy_name</i>	(Optional) Name of Tunnel-encryption Policy

Command Mode

- /exec

show tunnel-encryption session

show tunnel-encryption session [peer-ip <peer_ipaddress_v4>] [detail]

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-Encryption Manager information
session	Show session information
peer-ip	(Optional) Specify peer-address
<i>peer_ipaddress_v4</i>	(Optional) IP Address in format A.B.C.D
detail	(Optional) Show sessions detailed information

Command Mode

- /exec

show tunnel-encryption statistics

show tunnel-encryption statistics [peer-ip <peer_ipaddress_v4>]

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-Encryption Manager information
statistics	Show Tunnel-Encryption statistics
peer-ip	(Optional) Specify peer-address
<i>peer_ipaddress_v4</i>	(Optional) IP Address in format A.B.C.D

Command Mode

- /exec

show tunnel-profile

show tunnel-profile [<profile-name>]

Syntax Description

show	Show running system information
tunnel-profile	Tunnel Profile
<i>profile-name</i>	(Optional) Name of the Tunnel Profile

Command Mode

- /exec



U Show Commands

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- [show uddl global, on page 2563](#)
- [show uddl neighbors, on page 2564](#)
- [show upgrade history, on page 2565](#)
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- [show userpassphrase sequence keyboard length, on page 2574](#)
- [show users, on page 2575](#)

show udd

show udd [<if0>]

Syntax Description

show	Show running system information
udd	UDLD status and configuration on one or all interfaces
<i>if0</i>	(Optional) Enter an interface name if only one single interface status is desired

Command Mode

- /exec

show udd global

show udd global

Syntax Description

show	Show running system information
udd	UDLD protocol
global	UDLD global status and configuration on all interfaces

Command Mode

- /exec

show udd neighbors

show udd neighbors

Syntax Description

show	Show running system information
udd	UDLD protocol
neighbors	UDLD neighbor interfaces

Command Mode

- /exec

show upgrade history

show upgrade history

Syntax Description

show	Show running system information
upgrade	Show the upgrade history
history	Show the upgrade history of software and firmware

Command Mode

- /exec

show upgrade history details

show upgrade history details

Syntax Description

show	Show running system information
upgrade	Show the upgrade history
history	Show the upgrade history of software and firmware
details	Show the upgrade history details

Command Mode

- /exec

show user-account

show user-account [<s0>]

Syntax Description

show	Show running system information
TABLE_template	(Optional)
TABLE_role	(Optional)
TABLE_keys	(Optional)

Command Mode

- /exec

show username keypair

show username <s0> keypair

Syntax Description

show	Show running system information
username	Show user information.
keypair	Show SSH keypairs
<i>s0</i>	user name

Command Mode

- /exec

show username passphrase timevalues

show username <username> passphrase timevalues

Syntax Description

show	Show running system information
username	Configure user information.
<i>username</i>	user name
passphrase	user passphrase
timevalues	passphrase lifetime, warningtime and gracetime

Command Mode

- /exec

show userpassphrase

show userpassphrase { default-lifetime | default-warntime | default-gracetime | timevalues }

Syntax Description

show	Show running system information
userpassphrase	user passphrase
default-lifetime	passphrase default lifetime
default-warntime	passphrase default warningtime
default-gracetime	passphrase default gracetime
timevalues	passphrase lifetime, warning time and gracetime

Command Mode

- /exec

show userpassphrase

show userpassphrase { min-length | max-length | length }

Syntax Description

show	Show running system information
userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
length	passphrase min and max length

Command Mode

- /exec

show userpassphrase min-unique

show userpassphrase min-unique

Syntax Description

show	Show running system information
userpassphrase	User passphrase
min-unique	Count for the number of passwords that cannot be reused

Command Mode

- /exec

show userpassphrase sequence alphabet length

show userpassphrase sequence alphabet length

Syntax Description

show	Show running system information
userpassphrase	user passphrase
sequence	Control character sequences in passphrases
alphabet	Control runs of sequential alphabetical characters
length	Maximum number of sequential characters

Command Mode

- /exec

show userpassphrase sequence keyboard length

show userpassphrase sequence keyboard length

Syntax Description

show	Show running system information
userpassphrase	user passphrase
sequence	Control character sequences in passphrases
keyboard	Control runs of sequential keyboard characters
length	passphrase min and max length

Command Mode

- /exec

show users

show users

Syntax Description

show	Show running system information
users	Show the current users logged in the system

Command Mode

- /exec



V Show Commands

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show vdc

```
{ show vdc [ <e-vdc2> ] [ feature-set | detail | membership [ all | status | module <module> ] | shared membership ]
```

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
<i>e-vdc2</i>	(Optional) Enter Virtual Device Context <vdc-id>
detail	(Optional) Show detailed vdc information
membership	(Optional) Show vdc interface membership information
shared	(Optional) Show the shared interfaces in a vdc
membership	(Optional) Show the shared interfaces in a vdc
module	(Optional) Show vdc interface membership information for a specific module only
<i>module</i>	(Optional) Show vdc interface membership information for a specific module only
status	(Optional) Show vdc related port-status
feature-set	(Optional) Show vdc feature-set information
all	(Optional) Show offline modules as well

Command Mode

- /exec

show vdc current-vdc

show vdc current-vdc

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
current-vdc	Show which vdc you are currently in

Command Mode

- /exec

show vdc fcoe-vlan-range

show vdc fcoe-vlan-range

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
fcoe-vlan-range	vlangs reserved for FCoE

Command Mode

- /exec

show vdc resource

show vdc resource [<res-mgr-res-known-name>] [detail | hidden-too | with-flags] +

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
resource	Show resource configuration across VDCs
<i>res-mgr-res-known-name</i>	(Optional) Resource name
detail	(Optional) Show detail resource configuration
hidden-too	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
with-flags	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show vdc resource

```
show vdc <id> resource [ <res-mgr-res-known-name> ]
```

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
<i>id</i>	Enter Virtual Device Context <vdc-id>
resource	Show resource configuration for VDC
<i>res-mgr-res-known-name</i>	(Optional) Resource name

Command Mode

- /exec

show vdc resource template

show vdc resource template [<res-mgr-template-known-name-all>]

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
resource	Show resource configuration for VDC
template	Resource template configuration
<i>res-mgr-template-known-name-all</i>	(Optional) Resource template name

Command Mode

- /exec

show version

show version

Syntax Description

show	
version	Show the software version

Command Mode

- /exec

show version epld

show version epld <uri0>

Syntax Description

show	Show running system information
version	Show the software version
epld	Show EPLD versions available in EPLD image
<i>uri0</i>	Local URI containing EPLD Image

Command Mode

- /exec

show version image

show version image <uri0>

Syntax Description

show	Show running system information
version	Show the software version
image	Show the software version of a given image
<i>uri0</i>	Enter URI

Command Mode

- /exec

show version module

show version module <module>

Syntax Description

show	Show running system information
version	Show the software version
module	Show the software version of a Module
<i>module</i>	Enter module number

Command Mode

- /exec

show version module epld

show version module <module> epld

Syntax Description

show	Show running system information
version	Show the software version
module	Show the software version of a Module
<i>module</i>	Enter module number
epld	Show a module's current EPLD versions

Command Mode

- /exec

show virtual-service

```
show virtual-service [ { list } | { global } | { detail [ name <virt_serv_name> ] } | { core [ name <virt_serv_name_core> ] } ]
```

Syntax Description

show	Show running system information
virtual-service	Display virtualization service information
global	(Optional) Virtual service global information
list	(Optional) List virtual services
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
core	(Optional) Core information
name	(Optional) Information for a specific virtual service
<i>virt_serv_name</i>	(Optional) Name of a virtual service
<i>virt_serv_name_core</i>	(Optional) Name of a virtual service

Command Mode

- /exec

show virtual-service storage pool list

show virtual-service storage pool list

Syntax Description

show	Show running system information
virtual-service	Display virtualization service storage pool information
storage	Storage information about virtual service
pool	Storage pool information about virtual service
list	List storage pool for virtual service

Command Mode

- /exec

show virtual-service tech-support

show virtual-service tech-support

Syntax Description

show	Show running system information
virtual-service	Gather information for virtualization services trouble shooting
tech-support	Gather information for trouble shooting

Command Mode

- /exec

show virtual-service utilization name

show virtual-service utilization name <virt_serv_name>

Syntax Description

show	Show running system information
virtual-service	Display virtualization service utilization information
utilization	Utilization information about virtual service
name	Utilization of a virtual service
<i>virt_serv_name</i>	Name of a virtual service

Command Mode

- /exec

show virtual-service version

show virtual-service version { { installed } | { name <virt_serv_name> installed } }

Syntax Description

show	Show running system information
virtual-service	Display virtualization service version information
version	Version information about virtual service
installed	Installed version
name	Version of a virtual service
<i>virt_serv_name</i>	Name of a virtual service

Command Mode

- /exec

show vlan

show vlan [controller]

Syntax Description

show	Show running system information
vlan	VLAN status
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show vlan access-list

show vlan access-list <vacl-name> [<inp_seqno>]

Syntax Description

show	Show running system information
vlan	VLAN status
access-list	Vlan access list
<i>vacl-name</i>	List name
<i>inp_seqno</i>	(Optional) Sequence number
<i>vacl_name</i>	(Optional) List name

Command Mode

- /exec

show vlan access-map

show vlan access-map [<vacl-name>]

Syntax Description

show	Show running system information
vlan	VLAN status
access-map	List VLAN access maps
<i>vacl-name</i>	(Optional) List name
<i>vacl_name</i>	(Optional) List name

Command Mode

- /exec

show vlan all-ports

show vlan all-ports

Syntax Description

show	Show running system information
vlan	VLAN status
all-ports	Show all ports on VLAN

Command Mode

- /exec

show vlan counters

show vlan counters

Syntax Description

show	Show running system information
vlan	Vlan commands
counters	display counters

Command Mode

- /exec

show vlan dot1Q tag native

show vlan dot1Q tag native

Syntax Description

show	Show running system information
vlan	VTP VLAN status
dot1Q	Display dot1q parameters
tag	Display tag parameters
native	Display native vlan tagging

Command Mode

- /exec

show vlan fcoe

show vlan fcoe [<vlan-id>]

Syntax Description

show	Show running system information
fcoe	FCOE Congiguration
vlan	Original VLAN Status

Command Mode

- /exec

show vlan filter

```
show vlan filter [ access-map <vacl-name> | vlan <vlan> ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
filter	Information about VLAN filters
access-map	(Optional) Show the VLANs where an access-map is applied
<i>vacl-name</i>	(Optional) List name
vlan	(Optional) Show the access-map applied to a VLAN
<i>vlan</i>	(Optional) VLAN number

Command Mode

- /exec

show vlan id

show vlan id <vlan-id>

Syntax Description

show	Show running system information
vlan	VLAN status
id	VLAN status by VLAN id
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show vlan id counters

show vlan id <vlan-id> counters

Syntax Description

show	Show running system information
vlan	Vlan commands
id	VLAN status by VLAN id
counters	display counters
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show vlan id vn-segment

show vlan id <vlan-id> vn-segment

Syntax Description

show	Show running system information
vlan	VLAN status
id	VLAN status by VLAN id
vn-segment	Show vn-segment mapping
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show vlan name

show vlan name <vname>

Syntax Description

show	Show running system information
vlan	VLAN status
name	VLAN status by VLAN name
<i>vname</i>	A vlan name with size 32 (128 if long vlan name enabled)

Command Mode

- /exec

show vlan private-vlan

show vlan [id <vlan-id>] private-vlan

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
<i>vlan-id</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information

Command Mode

- /exec

show vlan private-vlan type

show vlan [id <vlan-id>] private-vlan type

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
<i>vlan-id</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information
type	Private VLAN type information

Command Mode

- /exec

show vlan xbrief

show vlan xbrief [controller | cli]

Syntax Description

show	Show running system information
vlan	VLAN status
xbrief	All VLAN status in brief
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
cli	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show vlan xsummary

show vlan xsummary

Syntax Description

show	Show running system information
vlan	VLAN status
xsummary	VLAN summary information

Command Mode

- /exec

show vmtracker

```
show vmtracker [ connection <conn_name> ] { { info { { [ interface <intf_id> ] { summary | detail | host |  
vm | port-group } } } { vxlan-segment | vxlan-vms } } } | event-history }
```

Syntax Description

<i>show</i>	Show running system information
<i>vmtracker</i>	Show vmtracker info
<i>connection</i>	(Optional) Show vmtracker configured connections

Command Mode

- /exec

show vmtracker certificate

show vmtracker certificate

Syntax Description

show	Show running system information
vmtracker	Show vmtracker info
certificate	Show the default certificate used

Command Mode

- /exec

show vmtracker fabric auto-config

```
show vmtracker fabric auto-config [ interface <intf_id> ] [ vlan <vlan_id> ] [ status { success | pending | failure | skipped } ]
```

Syntax Description

show	Show running system information
vmtracker	VMTRACKER commands
fabric	VM Tracker Fabric paramters
auto-config	VM Tracker Fabric AutoConfiguration
interface	(Optional) Display vmtracker interface information
<i>intf_id</i>	(Optional) Interface name to display
vlan	(Optional) vlan to display
<i>vlan_id</i>	(Optional) VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
status	(Optional) Auto-config status
success	(Optional) Success
pending	(Optional) Pending
failure	(Optional) Failure
skipped	(Optional) Skipped

Command Mode

- /exec

show vmtracker status

show vmtracker [connection <conn_name>] status

Syntax Description

show	Show running system information
vmtracker	Show vmtracker info
connection	(Optional) Show vmtracker configured connections
<i>conn_name</i>	(Optional) Show vmtracker Connection name
status	Show vmtracker connection status

Command Mode

- /exec

show vpc

show vpc [brief]

Syntax Description

vpc	Virtual Port Channel configuration
brief	(Optional) Brief display of vPC status

Command Mode

- /exec

show vpc

```
show vpc { <vpc-number> | brief vpc <vpc-number> }
```

Syntax Description

vpc	Virtual Port Channel configuration
brief	Brief display of vPC status
<i>vpc-number</i>	Enter a Virtual Port Channel number

Command Mode

- /exec

show vpc consistency-parameters

```
show vpc consistency-parameters { global | vni | interface <if> | vpc <vpc-num> }
```

Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
global	Global Parameters
vni	Show vPC Consistency Parameters vni
<i>if</i>	
<i>vpc-num</i>	Enter a Virtual Port Channel number

Command Mode

- /exec

show vpc consistency-parameters vlans

show vpc consistency-parameters vlans [vnseg]

Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
vlans	vlans
vnseg	(Optional) Display vlan to vn-segment map

Command Mode

- /exec

show vpc fabric-ports

show vpc fabric-ports

Syntax Description

vpc	Virtual Port Channel configuration
fabric-ports	Show ports that are part of uplink virtual-peerlink

Command Mode

- /exec

show vpc orphan-ports

show vpc orphan-ports

Syntax Description

vpc	Virtual Port Channel configuration
orphan-ports	Show ports that are not part of vPC but have common VLANs

Command Mode

- /exec

show vpc peer-keepalive

show vpc peer-keepalive

Syntax Description

vpc	Virtual Port Channel configuration
peer-keepalive	vPC keepalive status

Command Mode

- /exec

show vpc role

show vpc role

Syntax Description

vpc	Virtual Port Channel configuration
role	vPC role status

Command Mode

- /exec

show vpc statistics peer-keepalive

show vpc statistics peer-keepalive

Syntax Description

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

Command Mode

- /exec

show vpc statistics vpc

show vpc statistics { vpc <vpc_num> | peer-link }

Syntax Description

vpc	Virtual Port Channel configuration
statistics	Statistics
<i>vpc_num</i>	Virtual Port Channel number
peer-link	stats for peer-link

Command Mode

- /exec

show vpc virtual-peerlink dest reachable

show vpc virtual-peerlink dest reachable

Syntax Description

show	Show running system information
vpc	vPC related information
virtual-peerlink	virtual-peerlink Related show commands
dest	dest info
reachable	dest reachability

Command Mode

- /exec

show vpc virtual-peerlink vlan consistency

show vpc virtual-peerlink vlan consistency

Syntax Description

show	Show running system information
vpc	vPC related information
virtual-peerlink	virtual-peerlink Related show commands
vlan	vlan info for vPC
consistency	vlan vni consistency

Command Mode

- /exec

show vrf

```
show vrf [ <vrf-name> | <vrf-known-name> | all ] [ order id ] [ detail ] [ passive ]
```

Syntax Description

show	Show running system information
vrf	Display VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display VRF information for all VRFs
order	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
id	(Optional) Order by ID
detail	(Optional) Display VRF detail information
passive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show vrf

show vrf [<vrf-name> | <vrf-known-name> | all]

Syntax Description

show	Show running system information
vrf	Display VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display VRF information for all VRFs

Command Mode

- /exec

show vrrp

```
show vrrp [ [ summary ] | { [ statistics | detail ] [ interface <interface_id> ] [ vr <vr_id> ] [ master | backup |
init ] + } ]
```

Syntax Description

show	Show running system information
vrrp	Show vrrp information
summary	(Optional) Show vrrp summary
statistics	(Optional) Show vrrp statistics
detail	(Optional) Show detailed information
interface	(Optional) Show vrrp info for the interface
<i>interface_id</i>	(Optional)
vr	(Optional) Show vrrp info for the group
<i>vr_id</i>	(Optional) [1-255] enter IPv4 vr group
master	(Optional) Groups in Master state
backup	(Optional) Groups in Backup state
init	(Optional) Groups in Init state

Command Mode

- /exec

show vrrp bfd-sessions

show vrrp bfd-sessions [interface <interface-id> [to <ipaddress>]]

Syntax Description

show	Show running system information
vrrp	Show vrrp information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
to	(Optional) To IP address
<i>ipaddress</i>	(Optional) Sessions to IP address

Command Mode

- /exec

show vrrpv3

show vrrpv3 [brief | detail | statistics] [<intf> [<group_num>]] [<opt_v4_or_v6>] [all]

Syntax Description

show	Show running system information
vrrpv3	VRRPv3 Show commands
all	(Optional) All VRRPV3 information
brief	(Optional) Brief output
detail	(Optional) Detail output
statistics	(Optional) Statistics output
<i>opt_v4_or_v6</i>	(Optional) Enter ipv4 or ipv6
<i>intf</i>	(Optional) Interface
<i>group_num</i>	(Optional) Group Number

Command Mode

- /exec

show vrrs client

show vrrs client [<cname>]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
client	Information about VRRS clients
<i>cname</i>	(Optional) VRRS client name

Command Mode

- /exec

show vrrs pathway

show vrrs pathway [<intf>]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
pathway	Information about VRRS pathways
<i>intf</i>	(Optional) Interface

Command Mode

- /exec

show vrrs server

show vrrs server

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
server	Information about VRRS servers

Command Mode

- /exec

show vrrs tag

show vrrs tag [<tagname>]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
tag	Information about VRRS tags
<i>tagname</i>	(Optional) VRRS tag

Command Mode

- /exec

show vsan

show vsan [<id_in>]

Syntax Description

show	Show running system information
vsan	Vsan commands
<i>id_in</i>	(Optional) VSAN ID range

Command Mode

- /exec

show vsan membership

show vsan [<id_in>] membership

Syntax Description

show	Show running system information
vsan	Vsan commands
<i>id_in</i>	(Optional) VSAN ID range
membership	VSAN membership information

Command Mode

- /exec

show vsan membership interface

show vsan membership interface <if_in>

Syntax Description

show	Show running system information
vsan	Vsan commands
membership	VSAN membership information
interface	Show interface status and information
<i>if_in</i>	Interface range

Command Mode

- /exec

show vsan usage

show vsan usage

Syntax Description

show	Show running system information
vsan	Vsan commands
usage	show VSAN usage in the system

Command Mode

- /exec

show vtp counters

show vtp counters

Syntax Description

show	Show running system information
vtp	VTP information
counters	VTP statistics

Command Mode

- /exec

show vtp interface

show vtp interface [<interface_range>]

Syntax Description

show	Show running system information
vtp	VTP information
interface	VTP interface status and configuration
<i>interface_range</i>	(Optional) Enter interfaces

Command Mode

- /exec

show vtp password

show vtp password [domain <domain-id>]

Syntax Description

show	Show running system information
vtp	VTP information
password	VTP password
domain	(Optional) VTP administrative domain
<i>domain-id</i>	(Optional) Domain index(Domain-id)

Command Mode

- /exec

show vtp status

show vtp status

Syntax Description

show	Show running system information
vtp	VTP information
status	VTP domain status

Command Mode

- /exec

show vtp status



W Show Commands

- [show wred-queue qos-group-map](#), on page 2646
- [show wrr-queue qos-group-map](#), on page 2647
- [show wrr-unicast-bandwidth](#), on page 2648
- [show wwn oui](#), on page 2649
- [show wwn status](#), on page 2650
- [show wwn switch](#), on page 2651
- [show wwn test](#), on page 2652
- [show wwn vsan-wwn](#), on page 2654

show wred-queue qos-group-map

show wred-queue qos-group-map

Syntax Description

show	Show running system information
wred-queue	Show WRED qos-group information
qos-group-map	Display mapping of the qos-group information

Command Mode

- /exec

show wrr-queue qos-group-map

show wrr-queue qos-group-map

Syntax Description

show	Show running system information
wrr-queue	Display mapping of traffic priority (CoS) values to L3 Multicast
qos-group-map	Show wrr-queue qos-group-map

Command Mode

- /exec

show wrr unicast-bandwidth

show wrr unicast-bandwidth

Syntax Description

show	Show running system information
wrr	unicast bandwidth configuration
unicast-bandwidth	rate in percentage of data rate

Command Mode

- /exec

show wwn oui

show wwn oui

Syntax Description

show	Show running system information
wwn	show wwn information
oui	Show oui database

Command Mode

- /exec

show wwn status

show wwn status [{ backplane-prom | block-id <i0> | non-volatile-pss | volatile-pss }]

Syntax Description

show	Show running system information
wwn	show wwn information
status	Show overall WWN Usage and Alarm Status
backplane-prom	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
block-id	(Optional) Enter a block id.
<i>i0</i>	(Optional) Enter a block id.
non-volatile-pss	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
volatile-pss	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show wwn switch

show wwn switch

Syntax Description

show	Show running system information
wwn	show wwn information
switch	Show switch WWN

Command Mode

- /exec

show wwn test

```
show wwn test { get_swwn_from_pwwn <wwn0> | get_pwwn_from_swwn <wwn1> if_index <i0> |
get_ifindex_from_fwwn <wwn2> | get_ifindex_from_pwwn <wwn3> | validate_pwwn_given_swwn <wwn4>
pwwn <wwn5> | get_all_pwwn_for_slot <i1> | get_kc_type_given_swwn <wwn6> pwwn <wwn7> |
get_ifindex_from_pwwn_swwn <wwn8> pwwn <wwn9> }
```

Syntax Description

show	show running system information
wwn	show wwn information
test	show wwn information for testing
get_swwn_from_pwwn	show switch wwn from port wwn
<i>wwn0</i>	port wwn
get_pwwn_from_swwn	show port wwn from switch wwn
<i>wwn1</i>	switch wwn
if_index	interface index
<i>i0</i>	Interface index
get_ifindex_from_fwwn	show ifindex from fabric wwn
<i>wwn2</i>	fabric wwn
get_ifindex_from_pwwn	show ifindex from port wwn
<i>wwn3</i>	port wwn
validate_pwwn_given_swwn	validate port wwn for given swwn
<i>wwn4</i>	switch wwn
pwwn	port wwn
<i>wwn5</i>	port wwn
get_all_pwwn_for_slot	show all port wwn for a given slot
<i>i1</i>	Slot number
get_kc_type_given_swwn	show KC type
<i>wwn6</i>	switch wwn
pwwn	port wwn
<i>wwn7</i>	port wwn

get_ifindex_from_pwwn_swwn	show ifindex for given pwwn and swwn
wwn8	switch wwn
pwwn	port wwn
wwn9	port wwn

Command Mode

- /exec

show wwn vsan-wwn

show wwn vsan-wwn

Syntax Description

show	Show running system information
wwn	show wwn information
vsan-wwn	Show all user configured vsan wwn

Command Mode

- /exec



X Show Commands

- [show](#), on page 2656
- [show xml server logging configuration](#), on page 2657
- [show xml server status](#), on page 2658

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/se16

show xml server logging configuration

show xml server logging configuration

Syntax Description

show	Show running system information
xml	Show xmlagent logging configuration
server	xml agent server
logging	Show logging configuration and contents of logfile
configuration	Show facility logging configuration

Command Mode

- /exec

show xml server status

show xml server status

Syntax Description

show	to display xml agent information
xml	xml agent
server	xml agent server
status	display xml agent information

Command Mode

- /exec



Z Show Commands

- [show zone-attribute-group, on page 2660](#)
- [show zone, on page 2661](#)
- [show zone active, on page 2662](#)
- [show zone analysis, on page 2663](#)
- [show zone ess, on page 2664](#)
- [show zone member, on page 2665](#)
- [show zone name, on page 2667](#)
- [show zone name active, on page 2668](#)
- [show zone name pending, on page 2669](#)
- [show zone pending-diff, on page 2670](#)
- [show zone pending, on page 2671](#)
- [show zone policy, on page 2672](#)
- [show zone smart-zoning auto-conv log errors, on page 2673](#)
- [show zone smart-zoning auto-conv status vsan, on page 2674](#)
- [show zone statistics, on page 2675](#)
- [show zone statistics vsan, on page 2676](#)
- [show zone status, on page 2677](#)
- [show zone vsan, on page 2678](#)
- [show zone vsan, on page 2679](#)
- [show zoneset, on page 2680](#)

show zone-attribute-group

```
show zone-attribute-group [ [ name <s0> ] [ [ pending ] [ vsan <i0> ] ] ]
```

Syntax Description

show	Show running system information
zone-attribute-group	Attribute-group show commands
name	(Optional) Show attributes of a specified attribute-group
<i>s0</i>	(Optional) Enter the name of attr_group
pending	(Optional) Show attributes of a specified attribute-group in session
vsan	(Optional) Show attr_groups belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone

show zone

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show zone active

show zone active [vsan <i0>]

Syntax Description

show	Show running system information
active	Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone analysis

show zone analysis [pending] { active vsan <i0> | vsan1 <i1> | zoneset <s0> vsan2 <i2> }

Syntax Description

show	Show running system information
analysis	Show analysis
pending	(Optional) Show zoneset analysis in the pending database
active	Show active zoneset analysis
vsan	Show active zoneset analysis in the specified VSAN
<i>i0</i>	VSAN id range
vsan1	Show analysis in the specified VSAN
<i>i1</i>	VSAN id range
zoneset	Show zoneset analysis
<i>s0</i>	Zoneset name
vsan2	Show zoneset analysis in the specified VSAN
<i>i2</i>	VSAN id range

Command Mode

- /exec

show zone ess

show zone ess [vsan <i0>]

Syntax Description

show	Show running system information
ess	Show ESS info
vsan	(Optional) Show ESS info belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone member

```
show zone member { fcalias <s0> [ [ active ] [ vsan <i0> ] ] | fcid <fcid1> [ [ lun <lun2> ] [ [ active ] [ vsan1
<i3> ] ] ] | pwwn <wwn4> [ [ lun1 <lun5> ] [ [ active ] [ vsan2 <i6> ] ] ] | device-alias <s7> [ [ lun2 <lun8>
] [ [ active ] [ vsan3 <i9> ] ] ] }
```

Syntax Description

show	Show running system information
member	Show all zones in which the given member is part of
fcalias	Alias Name
<i>s0</i>	Enter the name of fcalias
active	(Optional) Show zones from active database
vsan	(Optional) Displays only those zones which belong to the specified VSAN
<i>i0</i>	(Optional) VSAN id range
fcid	FCID
<i>fcid1</i>	Enter FCID
lun	(Optional) LUN
<i>lun2</i>	(Optional) Enter LUN
active	(Optional) Show zones from active database
vsan1	(Optional) Displays only those zones which belong to the specified VSAN
<i>i3</i>	(Optional) VSAN id range
pwwn	WWN
<i>wwn4</i>	Enter Port WWN
lun1	(Optional) LUN
<i>lun5</i>	(Optional) Enter LUN
active	(Optional) Show zones from active database
vsan2	(Optional) Displays only those zones which belong to the specified VSAN
<i>i6</i>	(Optional) VSAN id range
device-alias	Device-Alias

<i>s7</i>	Enter device-alias
<i>lun2</i>	(Optional) LUN
<i>lun8</i>	(Optional) Enter LUN
<i>active</i>	(Optional) Show zones from active database
<i>vsan3</i>	(Optional) Displays only those zones which belong to the specified VSAN
<i>i9</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone name

show zone name <*s0*>

Syntax Description

show	Show running system information
name	Show members of a specified zone
<i>s0</i>	Enter the name of zone

Command Mode

- /exec

show zone name active

show zone name <s0> active [vsan <i0>]

Syntax Description

show	Show running system information
name	Show members of a specified zone
<i>s0</i>	Enter the name of zone
active	Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone name pending

```
show zone name <s0> pending [ { active [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
name	Show members of a specified zone
<i>s0</i>	Enter the name of zone
pending	Show members of a specified zone in session
active	(Optional) Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) Show zones belonging to the specified VSAN
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone pending-diff

show zone pending-diff [vsan <i0>]

Syntax Description

show	Show running system information
pending-diff	Zone Server pending changes
vsan	(Optional) Show pending changes belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone pending

```
show zone pending [ { active [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
pending	Show members of a specified zone in session
active	(Optional) Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) Show zones belonging to the specified VSAN
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone policy

show zone policy [{ pending [vsan <i0>] | vsan1 <i1> }]

Syntax Description

show	Show running system information
policy	Show zone policies
pending	(Optional) Show zone policies pending
vsan	(Optional) Show zone policies pending in specified VSAN
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) Show zone policies belonging to the specified VSAN
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone smart-zoning auto-conv log errors

show zone smart-zoning auto-conv log errors

Syntax Description

show	Show running system information
smart-zoning	Show smart-zoning commands
auto-conv	Show auto-convert status
log	Show logged messages
errors	Show error-logs for smart-zoning auto-convert

Command Mode

- /exec

show zone smart-zoning auto-conv status vsan

show zone smart-zoning auto-conv status vsan <i0>

Syntax Description

show	Show running system information
smart-zoning	Show smart-zoning commands
auto-conv	Show previous auto-convert status
status	Show previous auto-convert status
vsan	Show previous auto-convert status for a VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zone statistics

show zone statistics

Syntax Description

show	Show running system information
statistics	Show zone server statistics

Command Mode

- /exec

show zone statistics vsan

show zone statistics vsan <i0>

Syntax Description

show	Show running system information
statistics	Show zone server statistics
vsan	Show statistics belonging to the specified VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zone status

```
show zone status [ { vsan <i0> | global } ]
```

Syntax Description

show	Show running system information
status	Show zone server current status
vsan	(Optional) Show zone server current status for a VSAN
global	(Optional) Show zone server global values
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone vsan

show zone [name <s0>] vsan <i0>

Syntax Description

show	Show running system information
name	(Optional) Show members of a specified zone
s0	(Optional) Enter the name of zone
vsan	Show zones belonging to the specified VSAN
i0	VSAN id range

Command Mode

- /exec

show zone vsan

show zone vsan <i0>

Syntax Description

show	Show running system information
vsan	Show zones belonging to the specified VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zoneset

```
show zoneset [ [ name <s0> ] [ [ pending ] [ [ brief ] [ [ active ] [ vsan <i0> ] ] ] ] ]
```

Syntax Description

show	Show running system information
zoneset	Zoneset show commands
name	(Optional) Show members of a specified zoneset
<i>s0</i>	(Optional) Enter the name of zoneset
pending	(Optional) Show members of a specified zoneset in session
brief	(Optional) Show members in brief mode
active	(Optional) Show only active zonesets
vsan	(Optional) Show zonesets belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec



PART II

New, Changed, and Deprecated Commands

- [New, Changed, and Deprecated Show Commands, on page 2683](#)



New, Changed, and Deprecated Show Commands

- [New, Changed, and Deprecated Show Commands in Cisco NX-OS Releases 10.4\(2\) and 10.4\(3\), on page 2684](#)

New, Changed, and Deprecated Show Commands in Cisco NX-OS Releases 10.4(2) and 10.4(3)

New Commands

The following commands are added in these releases.

- show consistency-checker contract { vrf { all | <vrf-known-name> } | rule <rule-id> } [debug-logs] [brief | detail]
- show consistency-checker epbr service-chain { <svcChainName> | all } [brief | detail]
- show epbr service [<svc-name>]
- show epbr service-chain [<chain-name>] [reverse]
- show flow traffic-analytics
- show forwarding distribution multicast unique-v6sources
- show hardware profile dlb
- show interface <ifeth_trans> transceiver alarms
- show interface <ifeth_trans> transceiver performance-monitoring history <bucket_interval> { fec | optics } [interval <interval_value>]
- show key chain [<keychain>] mode decrypt
- show key chain [<keychain> | dynamic] [detail]
- show logging level tpmon
- show platform vboot
- show running-config cryptopqc [all]
- show security-group { { id { <esg-id> | all } } | { name <esg-name> } | { vrf { { <vrf-name> | <vrf-known-name> } { ipv4 | ipv6 } } | all } } | { vlan { <vlan-id> | all } } | { interface { name <iface> | all } } | { type { layer4-7 } } }
- show ssh version
- show ssh { ciphers | macs | keytypes | kexalgorithms }
- show system tech-support blocked-commands status
- show tech-support contracts
- show tech-support transceiver
- show tech-support { { [time-optimized] [forced] [debug-enable] } | [commands] }

Changed Commands

The following commands are modified in these releases.

- OLD: show bgp event-history { cli | detail | errors | events | logs | msgs | objstore | periodic | sdwrap-errors | peer | nve | prefixes | urib | l2rib | rpki | te }
- NEW: show bgp event-history { cli | detail | errors | events | logs | msgs | objstore | periodic | sdwrap-errors | peer | nve | prefixes | urib | l2rib | rpki | te | { rpm { config | eval | keychain } } }
- OLD: show bgp private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { all_private | session | ipc | rnh | srte | oc-database [brief] | lists | rpm-info [route-map <rpm-name> { <ip-prefix> | <ipv6-prefix> }] | attr [{ <ip-prefix> }] | rpm-attribute-cache | rpm-comm-attr-cache | virtual [summary] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]
- NEW: show bgp private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { all_private | session | ipc | rnh | srte | oc-database [brief] | lists | rpm-info { security-group | [route-map <rpm-name> { <ip-prefix> | <ipv6-prefix> }] } | attr [{ <ip-prefix> }] | rpm-attribute-cache | rpm-comm-attr-cache | virtual [summary] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]
- OLD: show configuration session nx-yang { json | xml }
- NEW: show configuration session nx-yang { json | xml | restconf-xml }
- OLD: show consistency-checker membership vlan <vlanid> [[interface [<intf-id> | <ch-id>]]] [private-vlan [interface [<int-id> | <ch-id>]]] [native-vlan] [brief | detail]
- NEW: show consistency-checker membership vlan { <vlanid> [[interface [<intf-id> | <ch-id>]]] [private-vlan [interface [<int-id> | <ch-id>]]] [<vlan_id>]] [native-vlan] } [brief | detail]
- OLD: show consistency-checker { l2-tahoe | l2-mtc } module <module> [unit <unit>] [brief | detail]
- NEW: show consistency-checker { l2-tahoe | l2-mtc | l2-s1 } module <module> [unit <unit>] [brief | detail]
- OLD: show consistency-checker l2-tahoe mac-address <mac-addr> [module <module>] [unit <unit>] [brief | detail]
- NEW: show consistency-checker { l2-tahoe | l2-s1 } mac-address <mac-addr> [module <module>] [unit <unit>] [brief | detail]
- OLD: show diff { running-config <file_uri> [partial] | startup-config <file_uri> } [unified]
- NEW: show diff { running-config <file_uri> [partial [merged]] | startup-config <file_uri> } [unified]
- OLD: show forwarding distribution multicast outgoing-interface-list { L2 | L3 | OTV } [<index>]
- NEW: show forwarding distribution multicast outgoing-interface-list { L2 | L3 | OTV | ir-list } [<index>]
- OLD: show forwarding mpls [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } [label <label-id> | <prefix> | <v6prefix>] | table <table_id> [label <label-id> | <prefix> | <v6prefix>] | label-space <label-space-id> | label <label-id> | <prefix> | <v6prefix>] [stats] [module <module>] [implicit] [platform]

- NEW: show forwarding mpls [[vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]] [table <table_id>] [label-space <label-space-id>] [label <label-id> | <prefix> | <v6prefix>] [stats] [module <module>] [implicit] [platform]
- OLD: show forwarding mpls eompls ir { [vlan [all | <vlan_id>]] [peer [all | <peer_ip>]] }
- NEW: show forwarding mpls eompls ir { vlan { all | <vlan_id> } | peer { all | <peer_ip> } }
- OLD: show hardware deduplication tah-summary [tah-hw-table] [module <module>]
- NEW: show hardware deduplication tah-summary [tah-hw-table | tah-info] [module <module>]
- OLD: show ip adjacency [<interface> [summary] | <ip-addr> [non-best | detail] | detail | summary | non-best | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }]
- NEW: show ip adjacency [<interface> [summary] | <ip-addr> [non-best [detail] | detail] | detail | summary | non-best [detail] | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }]
- OLD: show ip adjacency pt [statistics | consistency]
- NEW: show ip adjacency pt { iod-ip | vrf-ip | vlan-mac } [statistics | consistency]
- OLD: show ip igmp snooping event-history { statistics | <igmp-snoop-event-hist-buf-name> }
- NEW: show ip igmp snooping event-history { statistics | vlan | vlan-events | igmp-snoop-internal | mfdm | mfdm-sum | vpc | rib | coop | object-store }
- OLD: show ip ospf [<tag>] event-history { errors | msgs | statistics | adjacency | event | ha | flooding | lsa | spf | redistribution | ldp | te | rib | hello | spf-trigger | cli | objstore | segrt | rpm { config | eval | keychain } | kernel { kmsg | err } }
- NEW: show ip ospf [<tag>] event-history { errors | msgs | statistics | adjacency | event | ha | flooding | lsa | spf | redistribution | ldp | te | rib | hello | spf-trigger | cli | objstore | segrt | rpm { config | eval | keychain } | sg } | kernel { kmsg | err } }
- OLD: show ip pim event-history { errors | msgs | hello | join-prune | join-prune-summary | data-register-receive | null-register | assert | rp | bidir | pim-internal | packet | vrf | cli | vpc | objstore | txlist | mrib | pim-library | join-prune-tw | mvpn | nbm | pfm }
- NEW: show ip pim event-history { errors | msgs | hello | join-prune | join-prune-summary | data-register-receive | null-register | assert | rp | bidir | pim-internal | packet | vrf | cli | vpc | objstore | txlist | mrib | pim-library | join-prune-tw | mvpn | nbm | pfm | rpm }
- OLD: show ip route [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] }] [{ bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> }] [{ interface <interface> }] [{ updated { [since <stime>] [until <utime>] } }] + [summary [cached] | detail | summary-counter-consistency-check] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]
- NEW: show ip route [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] }] [{ bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> }] [{ interface <interface> }] [{ updated { [since <stime>] [until <utime>] } }] + [summary [cached] | detail [full] | summary-counter-consistency-check] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]

- OLD: show ipv6 mld snooping event-history { statistics | <mld-snoop-event-hist-buf-name> }
- NEW: show ipv6 mld snooping event-history { statistics | vlan | vlan-events | mld-snoop-internal | mfdm | mfdm-sum | vpc | rib | coop | object-store }
- OLD: show license rum id all
- NEW: show license rum id { <report_id> | all } [detail]
- OLD: show nbm flows [group-based [group <group-ip>] | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } | source <source-ip> [group <group-ip>] | group <group-ip> [source <source-ip>] | interface <if-name> | priority { low | critical } [[oif interface <if-name>] | [rpf interface <if-name>]] | [policer { slot <slot> unit <unit> slice <slice> }] | [policer-intf interface <if-name>]] | logical-id { none | any | <lid-val> } | profile-id <prof-id>] [all | active | inactive | no-receiver] [detail] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- NEW: show nbm flows [group-based [group <group-ip>] | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } | source <source-ip> [group <group-ip>] | group <group-ip> [source <source-ip>] | interface <if-name> | priority { low | level <level> | critical } [[oif interface <if-name>] | [rpf interface <if-name>]] | [policer { slot <slot> unit <unit> slice <slice> }] | [policer-intf interface <if-name>]] | logical-id { none | any | <lid-val> } | profile-id <prof-id>] [all | active | inactive | no-receiver] [detail] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- OLD: show nbm flows pending-stitch [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- NEW: show nbm flows pending-stitch [priority { low | level <level> | critical | all }] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- OLD: show nbm flows static [group <grp>] [source <src>] [stitched | unstitched] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- NEW: show nbm flows static [group <grp>] [source <src>] [stitched | unstitched] [priority { low | level <level> | critical | all }] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]
- OLD: show ngoam loop-detection status [vlan <vlan-range> [port <port-range>]] [history]
- NEW: show ngoam loop-detection status [{ l3 | vlan <vlan-range> } [port <port-range>]] [history]
- OLD: show route-map dynamic [<route-map-name> | <route-map-cfg-name>]
- NEW: show route-map dynamic [<route-map-name>]
- OLD: show routing [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }]] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary [cached] | detail | summary-counter-consistency-check] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]
- NEW: show routing [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }]] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary [cached] | detail [full] | summary-counter-consistency-check] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]

- OLD: show tech-support all [space-optimized] [time-optimized]
- NEW: show tech-support all { { [space-optimized] [time-optimized] } | [commands] }
- OLD: show tech-support brief
- NEW: show tech-support brief [commands]
- OLD: show tech-support details [space-optimized] [time-optimized] [debug-enable]
- NEW: show tech-support details { { [space-optimized] [time-optimized] [debug-enable] } | [commands] }
- OLD: show tech-support l2fm detail [module <module>]
- NEW: show tech-support l2fm detail [module <module>] [list]
- OLD: show tech-support macsec [detail [module <module>]]
- NEW: show tech-support macsec [detail] [module <module>]
- OLD: show tech-support monitor
- NEW: show tech-support monitor [list]
- OLD: show tech-support monitor erspan
- NEW: show tech-support monitor erspan [list]
- OLD: show tech-support monitorc-all
- NEW: show tech-support monitorc-all [list]
- OLD: show tech-support stp
- NEW: show tech-support stp [list]
- OLD: show telemetry transport [{ <session_id> [{ stats | errors | kafka-info }] | kafka }]
- NEW: show telemetry transport [{ <session_id> [{ stats | errors | kafka-info | dialin-stream }] | kafka }]

Deprecated Commands

The following commands are removed in these releases.

- show icam entries acl module <module> inst <inst> [history <num_intervals>] [sort { top <top_x> | sort-order { ascending | descending } | filter <f_f> [exact] | top <top_x> sort-order { ascending | descending } | top <top_x> filter <f_f> [exact] | top <top_x> sort-order { ascending | descending } filter <f_f> [exact] | top <top_x> filter <f_f> [exact] sort-order { ascending | descending } | sort-order { ascending | descending } top <top_x> | sort-order { ascending | descending } filter <f_f> [exact] | sort-order { ascending | descending } filter <f_f> [exact] top <top_x> | sort-order { ascending | descending } top <top_x> filter <f_f> [exact] | filter <f_f> [exact] top <top_x> | filter <f_f> [exact] sort-order { ascending | descending } | filter <f_f> [exact] top <top_x> sort-order { ascending | descending } | filter <f_f> [exact] sort-order { ascending | descending } top <top_x> }]

- show icam entries multicast module <module> [history <num_intervals>] [sort { top <top_x> | sort-order { ascending | descending } | top <top_x> sort-order { ascending | descending } | sort-order { ascending | descending } top <top_x> }]
- show icam health
- show icam itd
- show icam prediction entries acl module <module> inst <inst> <YYYY> <Month> <Date> <Time> [top <top_x>]
- show icam prediction entries multicast module <module> <YYYY> <Month> <Date> <Time> [top <top_x>]
- show icam prediction resource { acl_tcaml | acl-tcam | fib_tcaml | fib-tcam } module <module> inst <inst> <YYYY> <Month> <Date> <Time>
- show icam prediction resource { acl_tcaml | acl-tcam } mod <module> inst <inst> trend
- show icam prediction scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport | rpvst-vport | rpvst-vlan | isolated-portvlan | rpvst-lport } | vlan { vlan-count }] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4 | route-starg-v4 | route-sg-v6 | route-starg-v6 | outgoing-interface } | igmp { group } | pim { neighbor }] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp { mac } | arp { arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 | lpm-route-v6 } | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp { grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf | grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path }] } | { vxlan [igmp { vlan | vtep | underlay-mcast-group } | fl { vni | underlay-mcast-group | overlay-mac | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp | vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni | svi | vrf | underlay-mcast-group | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group }] }] <YYYY> <Month> <Date> <Time>
- show icam resource { acl_tcaml | acl-tcam | fib_tcaml | fib-tcam } module <module> inst <inst> [history <num_intervals>]
- show icam scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport | rpvst-vport | rpvst-vlan | isolated-portvlan | rpvst-lport } | vlan { vlan-count }] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4 | route-starg-v4 | route-sg-v6 | route-starg-v6 | outgoing-interface } | igmp { group } | pim { neighbor }] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp { mac } | arp { arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 | lpm-route-v6 } | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp { grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf | grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path }] } | { vxlan [igmp { vlan | vtep | underlay-mcast-group } | fl { vni | underlay-mcast-group | overlay-mac | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp | vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni

```
| svi | vrf | underlay-mcast-group | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 |
overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf |
vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 |
vlan-logical-port-vp | vlan-per-fex-port | igmp-group } } } [ history <num_intervals> [ sort {
current-scale [ ascending | descending ] | polled-timestamp [ newest | oldest ] } ] | utilization | thresholds
]
```

- show icam system [memory | shared-memory] [history <num_sample> [sort { usage [ascending | descending] | polled-timestamp [newest | oldest] }] | utilization | thresholds]
- show key chain [<keychain>] [detail]
- show key chain [<keychain>] mode decrypt
- show logging level icam
- show running-config icam
- show startup-config icam
- show tech-support [time-optimized] [forced] [debug-enable]
- show tech-support commands
- show tech-support icam [detail]
- show tech-support openconfig



PART **III**

Command Output Formats

- [XML/JSON Output Formats, on page 2693](#)



XML/JSON Output Formats

- [Output Formats for Show Commands, on page 2694](#)

Output Formats for Show Commands

The response from NX-OS show commands can be displayed in various formats. The default command output is plain text, with tables formatted using spaces to align columns. This type of output is easily readable, but may not be convenient as the input for automation scripts. For many show commands, you can choose to have the output delivered in XML format. For any command that supports XML output, a further option is JSON output.

Checking for XML/JSON Support

To determine whether a show command supports XML output, pipe the output to `| validate-xml`, as in this example:

```
# show version | validate-xml
Schema version is 1.0
The output is valid.
```

To determine whether a show command supports JSON output, pipe the output to `| validate-json`, as in this example:

```
# show version | validate-json
Schema version is 9.3.3.
The JSON output is valid.
```

Specifying XML or JSON Output

To receive the actual command output in XML format, pipe the output to `| xml`, as in this example:

```
# show version | xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<nf:rpc-reply xmlns="http://www.cisco.com/nxos:1.0:sysmgrcli"
xmlns:nf="urn:ietf:params:xml:ns:netconf:base:1.0">
<nf:data>
  <show>
    <version>

[ output cropped ]

    </version>
  </show>
</nf:data>
</nf:rpc-reply>
]]>]]>
```

To receive the command output in JSON format, pipe the output to `| json`. In this case, the JSON output is delivered as a minified JSON block. For a more human-readable presentation, pipe the output to `| json-pretty`, which delivers a visually structured and indented JSON output.

Testing Commands in the NX-OS Sandbox

Cisco DevNet maintains simulator sandboxes for Cisco Nexus switches and many other Cisco products. You can test NX-OS commands and view the resulting command output using the Open NX-OS Programmability lab at the following URL:

<https://devnetsandbox.cisco.com/RM/Diagram/Index/dae38dd8-e8ee-4d7c-a21c-6036bed7a804?diagramType=Topology>

