



## **Cisco Nexus 9000 Series NX-OS Command Reference (Show Commands), Release 7.0(3)I3(1)**

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APPENDIX A

**XML Support** 1659

- XML Support for Show Commands 1659



## Preface

---

This preface includes the following sections:

- [Audience, on page li](#)
- [Documentation Conventions, on page li](#)
- [Documentation Feedback, on page lii](#)
- [Communications, Services, and Additional Information, on page lii](#)

## Audience

This publication is for network administrators who install, configure, and maintain Cisco Nexus switches.

## Documentation Conventions

Command descriptions use the following conventions:

Convention	Description
<b>bold</b>	Bold text indicates the commands and keywords that you enter literally as shown.
<i>Italic</i>	Italic text indicates arguments for which the user supplies the values.
[x]	Square brackets enclose an optional element (keyword or argument).
[x   y]	Square brackets enclosing keywords or arguments separated by a vertical bar indicate an optional choice.
{x   y}	Braces enclosing keywords or arguments separated by a vertical bar indicate a required choice.
[x {y   z}]	Nested set of square brackets or braces indicate optional or required choices within optional or required elements. Braces and a vertical bar within square brackets indicate a required choice within an optional element.
variable	Indicates a variable for which you supply values, in context where italics cannot be used.

Convention	Description
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.

Examples use the following conventions:

Convention	Description
<code>screen font</code>	Terminal sessions and information the switch displays are in screen font.
<b>boldface screen font</b>	Information you must enter is in boldface screen font.
<i>italic screen font</i>	Arguments for which you supply values are in italic screen font.
<>	Nonprinting characters, such as passwords, are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

## Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to [. We appreciate your feedback.](#)

## Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at [Cisco Profile Manager](#).
- To get the business impact you're looking for with the technologies that matter, visit [Cisco Services](#).
- To submit a service request, visit [Cisco Support](#).
- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit [Cisco Marketplace](#).
- To obtain general networking, training, and certification titles, visit [Cisco Press](#).
- To find warranty information for a specific product or product family, access [Cisco Warranty Finder](#).

### Cisco Bug Search Tool

[Cisco Bug Search Tool](#) (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.



## Notice

---

- [Notice, on page 2](#)

# 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.

---



## A Show Commands

---

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- [show aaa accounting](#), on page 5
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# 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 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 password-aging

show aaa authentication login password-aging

## Syntax Description

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

show aaa groups

## Syntax Description

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

## 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 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 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 analysis module data-port

show analysis module <module> data-port <port-no> { state | traffic }

## Syntax Description

show	Show running system information
analysis	analysis
module	module
<i>module</i>	Enter Module Number
data-port	data-port
<i>port-no</i>	port number
state	state
traffic	traffic
__readonly__	(Optional) Read Only

## Command Mode

- /exec

# show analysis module management-port

show analysis module <module> management-port <port-no> { state | traffic }

## Syntax Description

show	Show running system information
analysis	analysis
module	module
<i>module</i>	Enter Module Number
management-port	management-port
<i>port-no</i>	port number
state	state
traffic	traffic
__readonly__	(Optional) Read Only

## Command Mode

- /exec

# show analysis module version

show analysis module <module> version

## Syntax Description

show	Show running system information
analysis	analysis
module	module
<i>module</i>	Enter Module Number
version	version
__readonly__	(Optional) Read Only

## Command Mode

- /exec





## B Show Commands

---

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- [show banner motd](#), on page 30
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- [show bfd](#), on page 33
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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 motd

show banner motd

## Syntax Description

show	Show running system information
banner	Show current motd 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-app session status

```
show bfd-app session status { src-ip { <src_ip> dest-ip <dest_ip> | <src_ipv6> dest-ip <dest_ipv6> } { iod
<iod_id> | intf <intf_id> } | <all> }
```

### Syntax Description

show	Show running system information
bfd-app	BFD application commands
session	session operation
src-ip	Source ip
<i>src_ip</i>	Source ip value
dest-ip	Destination ip
<i>dest_ip</i>	Destination ip value
iod	interface iod
<i>iod_id</i>	Interface iod in hex
intf	interface
<i>intf_id</i>	Interface Id
status	status of sessions
<i>all</i>	All sessions

### Command Mode

- /exec

# show bfd

```
show bfd { [ vrf { <vrf-name> | <vrf-known-name> | all } ] } { [ <ip_type> ] } neighbors { [ module
<module_no> ] | [ 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
module	(Optional) module
<i>module_no</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 bfd addrmap

show bfd addrmap [ application <appid> discriminator <discr> address-type <addrtype> address <addr> ]

## Syntax Description

show	Show running system information
bfd	BFD commands
addrmap	Session
application	(Optional)
discriminator	(Optional)
address-type	(Optional)
address	(Optional)
<i>appid</i>	(Optional)
<i>discr</i>	(Optional)
<i>addrtype</i>	(Optional)
<i>addr</i>	(Optional)

## 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 discrmap

show bfd discrmap [ <discr> ]

## Syntax Description

show	Show running system information
bfd	BFD commands
discrmap	Session
<i>discr</i>	(Optional)

## Command Mode

- /exec



# show bfd intfipmap

show bfd intfipmap [ interface <intf> address-type <addrtype> address <addr> ]

## Syntax Description

show	Show running system information
bfd	BFD commands
intfipmap	Session
interface	(Optional)
address-type	(Optional)
address	(Optional)
<i>intf</i>	(Optional)
<i>addrtype</i>	(Optional)
<i>addr</i>	(Optional)

## Command Mode

- /exec

# show bfd scalar

show bfd scalar

## Syntax Description

show	Show running system information
bfd	BFD commands
scalar	bfd mib scalars

## Command Mode

- /exec

# show bfd session

```
show bfd session { [ discriminator <sessionIndex> ] [ interface <intf_id> ] [ application <app_name> ] [ [ src-ip <src_ip> ] [ dest-ip <dest_ip> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ] } +
```

## Syntax Description

show	Show running system information
bfd	BFD commands
session	Session
discriminator	(Optional) Session local discriminator
<i>sessionIndex</i>	(Optional)
interface	(Optional) interface
<i>intf_id</i>	(Optional) show bfd sessions based on interface id
application	(Optional) application
<i>app_name</i>	(Optional) show bfd session based on application name
src-ip	(Optional) Source ip
<i>src_ip</i>	(Optional) Source ip value
dest-ip	(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

## Command Mode

- /exec

# show bgp

```
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 (vrf ipv6 default-info)

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } default-info [ 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
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
default-info	Display information about default routes
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 (vrf ipv6)

```
show bgp { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } | ipv4 mvpn | ipv6 mvpn } neighbors [ { <neighbor-id>
| <ipv6-neighbor-id> | <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
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
ip	Display BGP information for IPv4 address family
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
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families

### Command Mode

- /exec

## show bgp (vrf neighbors advertised-routes)

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } } 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
ip	Display BGP information for IPv4 address family
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
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 (vrf neighbors flap-statistics)

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | 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
ip	Display BGP information for IPv4 address family
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 (vrf neighbors paths)

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] } { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } } 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
ip	Display BGP information for IPv4 address family
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
paths	Display AS paths learned from this peer

### Command Mode

- /exec

## show bgp (ipv4 ipv6 commands)

```
show bgp { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } } } 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
ip	Display BGP information for IPv4 address family
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
neighbors	Display all configured BGP neighbors
commands	Display details on commands

### Command Mode

- /exec

## show bgp (ipv4 ipv6) summary

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | 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
ip	Display BGP information for IPv4 address family
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 { { ip | ipv4 } { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn | ipv6 mvpn | 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
ip	Display BGP information for IPv4 address family
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
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families

## Command Mode

- /exec

## show bgp (vrf unicast multicast)

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { { ip | ipv4 } {
unicast | multicast } | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } } nexthop
<ipnexthop> | { ipv6 { unicast | multicast } | 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 aa4: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
ip	Display BGP information for IPv4 address family
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
mvpn	Display BGP information for MVPN address family

### Command Mode

- /exec

## show bgp all nexthop-database

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { { ip | ipv4 } {
unicast | multicast } | ipv4 mvpn } nexthop-database [ <ipnexthop> ] } | { { ipv6 { unicast | multicast } | 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
nexthop-database	Display nexthop database
ip	Display BGP information for IPv4 address family
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
mvpn	Display BGP information for MVPN 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 all flap-statistics

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | 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
ip	Display BGP information for IPv4 address family
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 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 convergence private

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] convergence 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
convergence	Display information about convergence
private	Display private information about convergence

## 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	(Optional) Detailed information
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 event-history statistics

```
show bgp [ internal ] event-history { <bgp-event-hist> | errors | msgs | detail } [ statistics ]
```

## Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
internal	(Optional) Commands for internal use
event-history	Show various event logs of BGP
<i>bgp-event-hist</i>	Show BGP event log
detail	Show detailed event logs
errors	Show error logs of BGP
msgs	Show various message logs of BGP
statistics	(Optional) Event history buffer statistics

## Command Mode

- /exec

## show bgp (vrf policy statistics)

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } policy statistics { { redistribute [ { { eigrp | isis | ospf | rip } <tag> } | static | direct | amt
| lisp ] } | { neighbor <neighbor-id> [ default-originate | { route-map | filter-list | prefix-list } { in | out } ] } |
{ dampening } | { network { <ip-addr> mask <ip-mask> | <ip-prefix> } } | { aggregate-address { <ip-addr>
<ip-mask> | <ip-prefix> } { suppress-map | advertise-map } } } | ipv6 { unicast | multicast } policy statistics
{ { redistribute [ { { eigrp | isis | ospfv3 | rip } <tag> } | static | direct | amt | lisp ] } | { neighbor { <neighbor-id>
| <ipv6-neighbor-id> } [ default-originate | { route-map | filter-list | prefix-list } { in | out } ] } | { dampening
} | { network <ipv6-prefix> } | { aggregate-address <ipv6-prefix> { suppress-map | advertise-map } } } } [
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
ip	Display BGP information for IPv4 address family
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
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	(Optional) AMT anycast prefix

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

**Command Mode**

- /exec

## show bgp (vrf)

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { { ip | ipv4 } {
unicast | multicast } } [ <ip-addr> [ <ip-mask> [ longer-prefixes ] ] | <ip-prefix> [ longer-prefixes ] | labels |
exported | imported ] | { ipv6 { unicast | multicast } } [ <ipv6-prefix> [ longer-prefixes ] | labels | exported |
imported ] | { [ <ip-addr> [ <ip-mask> ] | <ip-prefix> | labels ] | { ipv4 | ipv6 } unicast [ injected-routes ] |
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>
] ] | 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>
] ] | all } [ 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
rd	(Optional) Display information for a route distinguisher
<i>ipv4-rt</i>	(Optional) EVPN IPv4 address
<i>mac-address</i>	(Optional) MAC address
<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
ip	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
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families
join	(Optional) Display Multicast Join route
sa	(Optional) Display Multicast Source Active AD route
rp	(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

**Command Mode**

- /exec

## show bgp (vrf extcommunity-list)

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | all } {
route-map { <rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | { community-list
{ <commlist-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
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
ip	Display BGP information for IPv4 address family
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
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families
exact-match	(Optional) Exact match of the communities

**Command Mode**

- /exec

# show bgp prefix-list

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | 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
ip	Display BGP information for IPv4 address family
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 regexp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | 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
ip	Display BGP information for IPv4 address family
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 self-originated

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | 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
ip	Display BGP information for IPv4 address family
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

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | all } { rib-install | rib-uninstall | rib-pending } [ 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
ip	Display BGP information for IPv4 address family
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
rib-install	Routes installed in RIB
rib-uninstall	Routes not installed in RIB
rib-pending	Routes not acknowledged by RIB

## Command Mode

- /exec

# show bgp community

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | 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
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
ip	Display BGP information for IPv4 address family
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
mvpn	Display BGP information for MVPN 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 non-transitive

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | 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
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
ip	Display BGP information for IPv4 address family
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
mvpn	Display BGP information for MVPN 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 flap-statistics

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | 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
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
flap-statistics	Display flap statistics for routes
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
ip	Display BGP information for IPv4 address family
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
mvpn	Display BGP information for MVPN 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 received-paths

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ip | ipv4 } {
unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | 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
ip	Display BGP information for IPv4 address family
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
mvpn	Display BGP information for MVPN address family
all	Display BGP information for all address families
private	(Optional) private

### Command Mode

- /exec

# show bgp private

```
show bgp private [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { all_private
| session | ipc | rnh | 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 } ]
```

## Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
all_private	Show all info
session	Show session info
lists	Show BGP internal lists
route-map	(Optional) Show information for route-map
rpm-info	Show BGP policy outbound info
<i>ip-prefix</i>	(Optional) Show attribute for a prefix
<i>rpm-name</i>	(Optional) Route-map name
attr	Show attribute information
ipc	Show ipc information
rnh	Show recursive next hops
rpm-attribute-cache	Show rpm attribute cache statistics
rpm-comm-attr-cache	Show rpm community attribute cache statistics
summary	(Optional) Summary only
virtual	Virtualization related
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 private

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

## Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ip	Display BGP information for IPv4 address family
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
damp	Show dampening info

## Command Mode

- /exec

## show bgp private attr

```
show bgp private attr [ remote-nh ] [ [ [ ipv4 { unicast | multicast } <ip-prefix> ] ] [ ipv6 { unicast | multicast } <ipv6-prefix> ] ] [ detail ] ]
```

### 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
remote-nh	(Optional) Show Remote NH Attr
ipv4	(Optional) Display BGP information for IPv4 address family
ipv6	(Optional) Display BGP information for IPv6 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
detail	(Optional) Show detailed info
<i>ip-prefix</i>	(Optional) Show attribute for a prefix

### 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 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 module

show boot module [ [ <module> ] [ <s0> ]

## Syntax Description

show	Show running system information
boot	Show Bootvar Variables
module	Enter module to show config of all modules
<i>module</i>	(Optional) Enter module number to show config
<i>s0</i>	(Optional) Enter module keyword to show config

## 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 sup-1

show boot sup-1

## Syntax Description

show	Show running system information
boot	Show Bootvar Variables
sup-1	Enter sup-1 to show the 1st sup config

## Command Mode

- /exec

# show boot sup-2

show boot sup-2

## Syntax Description

show	Show running system information
boot	Show Bootvar Variables
sup-2	Enter sup-2 to show the 2nd sup config

## 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 bootmode

show bootmode [ module <module> ]

## Syntax Description

show	Show running system information
bootmode	show bootmode of the all linecard modules
module	(Optional) show bootmode of a specific linecard module
<i>module</i>	(Optional) please enter module number

## Command Mode

- /exec

# show buffers ip

```
show buffers ip [ { [ all <count> ] [ free <count> ] } ]
```

## Syntax Description

show	Show running system information
buffers	Display detailed buffer statistics
ip	Display IP buffer information
all	(Optional) Dump buffers from ALL list
free	(Optional) Dump buffers from FREE list
<i>count</i>	(Optional) Number of buffers to dump

## Command Mode

- /exec



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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-email	Show callhome email transport configuration

## 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 { all | name <s0> } }
```

## Syntax Description

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

## Command Mode

- /exec

# show cdp interface

```
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 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	(Optional) Show local application information by sap
<i>i0</i>	(Optional) Registered sap of the local application

## 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	(Optional) Application sap for which the lock status is required
<i>i1</i>	(Optional) Application SAP

## 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	(Optional) Show merge status by sap
<i>i1</i>	(Optional) Application sap
detail2	(Optional) Show merge status by sap in detail

### 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	(Optional) Show peers for given application sap
<i>i1</i>	(Optional) Application sap

## 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 remote-app vsan

show cfs remote-app vsan <i0> domain <i1>

## Syntax Description

show	Show running system information
cfs	CFS Show Command handler
remote-app	Show remote cfs registered applications
vsan	Show remote applications given a vsan
<i>i0</i>	VSAN id
domain	Show remote applications
<i>i1</i>	Enter the domain id

## Command Mode

- /exec

## show cfs remote-switches vsan

show cfs remote-switches vsan <i0>

### Syntax Description

show	Show running system information
cfs	CFS Show Command handler
remote-switches	Show remote switches on a given vsan
vsan	Show remote switches on a given vsan
<i>i0</i>	VSAN 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 [ 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

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 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 ] [ <omap-name> | xxx <color-map-enum-name> ] } | { type queuing [ yyy
<omap-enum-name> | zzz <default-omap-enum-name> | <omap-dce-name> | <omap-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>omap-name</i>	(Optional) class map name
<i>omap-enum-name</i>	(Optional)
<i>default-omap-enum-name</i>	(Optional)
<i>omap-dce-name</i>	(Optional) Queuing class-map name
<i>omap-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 [ <cmmap-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>cmmap-name</i>	(Optional) Name of the class-map

## Command Mode

- /exec

# show class-map type network-qos

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

## Syntax Description

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

## Command Mode

- /exec

## show class-map type psp

```
show class-map type psp { [ <cmmap-name-plc> [ client <clienttype> <clientID> ] [ cfg-mode <cfgmode> ] ]
| [ handle <ppf_id> ] }
```

### Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
psp	type psp
<i>cmmap-name-plc</i>	(Optional) Class-map name
client	(Optional) set client type
<i>clienttype</i>	(Optional) cli/onep
<i>clientID</i>	(Optional) client appID
cfg-mode	(Optional) cfg-mode
<i>cfgmode</i>	(Optional) persistent/transient
handle	(Optional) Handle
<i>ppf_id</i>	(Optional) PPF ID

### 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> ] +

## 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
recurse	(Optional) go
detail	(Optional) formats

## Command Mode

- /exec

# show cli registry

show cli registry [ ctags | tags | modes | session | inherit ]

## Syntax Description

show	Show running system information
cli	
registry	
ctags	(Optional)
tags	(Optional)
modes	(Optional)
session	(Optional)
inherit	(Optional)

## Command Mode

- /exec

# show cli syntax

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

## 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
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

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 clock utc

show clock utc

## Syntax Description

show	Show running system information
clock	Display current Date
utc	Display current time in UTC

## 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 manually

show config-profile applied manually

## Syntax Description

show	Show running system information
config-profile	Show config-profiles
applied	List of applied config-profiles
manually	List of all config-profiles which were configured directly from cli

## Command Mode

- /exec



# show configuration session

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 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 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 fex-interfaces fex

show consistency-checker fex-interfaces fex <id>

## Syntax Description

show	Show running system information
fex	Limit display to interfaces on this fex
<i>id</i>	Enter module number
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces

## Command Mode

- /exec



# show consistency-checker l3-interface module

show consistency-checker l3-interface module <moduleid>

## Syntax Description

show	Show running system information
module	Limit display to interfaces on module
<i>moduleid</i>	Enter module number
consistency-checker	Consistency Checker
l3-interface	Compares software and hardware properties of L3 interfaces

## Command Mode

- /exec

# show consistency-checker link-state module

show consistency-checker link-state module <module>

## Syntax Description

show	Show running system information
module	Limit display to interfaces on module
<i>module</i>	Enter module number
consistency-checker	Consistency Checker
link-state	Compares software and hardware link state of interfaces

## Command Mode

- /exec

# show consistency-checker membership port-channels

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

## 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

## Command Mode

- /exec

# show consistency-checker membership vlan

show consistency-checker membership vlan <vlanid> [ private-vlan ]

## 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
private-vlan	(Optional) Check private-vlan primary vlan

## 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 stp-state vlan

show consistency-checker stp-state vlan <vlan>

## 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
consistency-checker	Consistency Checker
stp-state	Verify spanning tree state in the hardware

## Command Mode

- /exec

# show consistency-checker vxlan vlan

show consistency-checker vxlan vlan <vlanid>

## Syntax Description

show	Show running system information
vxlan	VxLAN VLANs
vlan	Verifies flood list programming for vxlan vlans
consistency-checker	Consistency Checker
<i>vlanid</i>	Enter vlan id

## Command Mode

- /exec



# show controller l2-vxlan

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

## Syntax Description

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

## Command Mode

- /exec

# show copp diff profile

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 vdes
vdc	(Optional) show all core dumps for the vdc
<i>e-vdc2</i>	(Optional) Enter VDC <vdc-id>
<i>vdc-id</i>	(Optional) vdc number

## 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
<i>s0</i>	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
<i>s0</i>	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 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 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 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 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

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 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 interface

{ show dot1x interface <if>

## Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	

## Command Mode

- /exec





## E Show Commands

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# show email

show email

## Syntax Description

show	Show running system information
email	Pipe email configuration

## Command Mode

- /exec

# show encryption service stat

show encryption service stat

## Syntax Description

show	Show running system information
encryption	Encryption service
service	Encryption service
stat	Encryptpin 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	(Optional) psu temperature

## Command Mode

- /exec

# show eol status

show eol status

## Syntax Description

show	Show running system information
eol	last
status	

## Command Mode

- /exec

# show errdisable

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 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	(Optional) Display detailed and internal information
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 interface

show evb interface [ <intf-name> ]

## Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
interface	Display interface information
<i>intf-name</i>	(Optional) Interface name

## 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	(Optional) Display detailed and internal information
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-history

show event-history

## Syntax Description

show	Show running system information
event-history	show switch wide event history configuration

## Command Mode

- /exec

# show event-history xbar

show event-history xbar

## Syntax Description

show	Show running system information
event-history	show switch wide event history configuration
xbar	Show all event-history debugging flags of xbar

## 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)

### 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)

## 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

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# 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
s0	Name of feature set

## Command Mode

- /exec



# show feature

show feature

## Syntax Description

show	Show running system information
feature	Show feature status

## 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 ]

## 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

## Command Mode

- /exec

# 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 flow exporter

show flow exporter [ name ] [ <exportername> ]

## 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>exportername</i>	(Optional) Specify an exporter

## Command Mode

- /exec

# show flow glbl-pkt-cnt

show flow glbl-pkt-cnt

## Syntax Description

show	Show running system information
flow	Show NetFlow information
glbl-pkt-cnt	Show global packet count

## Command Mode

- /exec

# show flow interface

show flow interface [ <intf> ]

## Syntax Description

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

## Command Mode

- /exec



# show flow monitor

```
show flow monitor [ name ] [ <monitorname> [ 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>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

## Command Mode

- /exec

# show flow record

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

## 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>recordname</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	(Optional) L2 collection schemes
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input NetFlow
original-output	(Optional) Output NetFlow
input	(Optional) Input NetFlow
protocol-port	(Optional) Protocol and Ports aggregation scheme

## Command Mode

- /exec

# show flow sw-monitor

```
show flow sw-monitor [ name ] [ <monitorname> [ cache [ detailed ] ] ]
```

## Syntax Description

show	Show running system information
flow	Show NetFlow information
sw-monitor	Show Monitor Configuration
name	(Optional) Show a specific Flow 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 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 forwarding

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ ip | ipv4 ] { route
| rnhdb } [ recursive ] [ summary | detail | platform | partial | <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
ip	(Optional) ipv4
ipv4	(Optional) ipv4
route	display IP routing table
rnhdb	rnh-db
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

## Command Mode

- /exec

# show forwarding adjacency

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

## Syntax Description

show	
forwarding	display fib information
ip	(Optional) ipv4
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
<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

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 adjacency [ mpls ] [ <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
<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 table multicast route

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | all } | table <table_id> ] [ ip | 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
ip	(Optional) ipv4
ipv4	(Optional) ipv4
multicast	Multicast IPv4 information
route	Mcast route information
platform	(Optional) Platform Details
table	(Optional) display info per vpn-id
<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 max-display-count

```
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	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table id in hex
ipv6	ipv6
route	display IP routing table
platform	(Optional) one command to show pi and pd info together
rnhdb	rnhdb
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 routes via specified adjacency

<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 security mac

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ ip | 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	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
ip	(Optional) ipv4
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 security group-tag

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> | vlan <vlan_id> ] [ ip | ipv4 ] security group-tag [ <addr> ] [ module <num> | 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	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
vlan	(Optional) vlan
<i>vlan_id</i>	(Optional) vlan number
ip	(Optional) ipv4
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>num</i>	(Optional) module number

### Command Mode

- /exec

# show forwarding table pss route

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> } | table <table_id> ] [ ip | ipv4 ] pss route [ module <module> ]
```

## Syntax Description

show	show
forwarding	forwarding
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
ip	(Optional) ipv4
ipv4	(Optional) ipv4
pss	display info from pss
route	route
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

## show forwarding ipv6 pss route

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> } | table <table_id> ] ipv6 pss route [ module
<module> ]
```

### Syntax Description

show	show
forwarding	forwarding
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
ipv6	ipv6
pss	display info from pss
route	route
module	(Optional) slot
<i>module</i>	(Optional) slot number

### Command Mode

- /exec

# show forwarding bypass-hardware

show forwarding bypass-hardware [ module <module> ]

## Syntax Description

show	
forwarding	fib information
bypass-hardware	bypass hardware
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec



# show forwarding capture

show forwarding capture [ module <module> ]

## Syntax Description

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

## 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
partial	(Optional) Show partially installed ECMPs
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

# show forwarding ecmp recursive

show forwarding ecmp recursive [ platform ] [ 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
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 file-log disable

show forwarding file-log disable

## Syntax Description

show	show
forwarding	forwarding
file-log	logging to tmp file
disable	disable

## Command Mode

- /exec

# show forwarding file-log enable

show forwarding file-log enable

## Syntax Description

show	show
forwarding	forwarding
file-log	logging to tmp file
enable	enable

## Command Mode

- /exec

# show forwarding interfaces

show forwarding interfaces [ module <module> ]

## Syntax Description

show	
forwarding	fib information
interfaces	show fib interface info
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

# show forwarding kvfib cache

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 l2 multicast

```
show forwarding l2 multicast { [ { vlan <vlan-id> [ { group <grpaddr> source <srcaddr> } | 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 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	(Optional) label space
<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	(Optional) Display implicit label
platform	(Optional) Display platform information

## Command Mode

- /exec

# show forwarding mpls aggregate

show forwarding mpls aggregate [ label { <label-id> | all } ] [ detail ] [ module <module> ]

## Syntax Description

show	
forwarding	display fib information
mpls	mpls forwarding
aggregate	aggregate label
label	(Optional) label
<i>label-id</i>	(Optional) label-id
all	(Optional) all
detail	(Optional) detail
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

# show forwarding mpls cbts

show forwarding mpls cbts [ module <module> ]

## Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
cbts	cbts labels
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

# show forwarding mpls drop-stats

show forwarding mpls drop-stats [ platform ]

## Syntax Description

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

## 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 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 mpls te

show forwarding mpls te [ <te\_if> ] [ detail ] [ module <module> ]

## Syntax Description

show	
forwarding	display fib information
mpls	mpls forwarding
te	Traffic Engineering
detail	(Optional) detail
module	(Optional) slot
<i>te_if</i>	(Optional) tunnel-te number
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

# show forwarding multicast outgoing-interface-list

show forwarding multicast outgoing-interface-list { L2 | L3 } [ 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
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 nve l2 ingress-replication-peers

show forwarding nve l2 ingress-replication-peers [ <peer\_ip> ]

### Syntax Description

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

### Command Mode

- /exec

# show forwarding nve l3 adjacency tunnel

show forwarding nve l3 adjacency tunnel <tunnel\_id> [ bd <bd\_id> | table <table\_id> | detail | module <num> ] +

## Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l3	Layer 3
adjacency	Adjacency info
tunnel	VXLAN tunnel
<i>tunnel_id</i>	Unique identifier for the tunnel
table	(Optional) Tenant table-id
<i>table_id</i>	(Optional) tenant table-id
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

## Command Mode

- /exec

## show forwarding nve l3 peers

show forwarding nve l3 peers [ peers <peer\_id> | tunnel <tunnel\_id> | detail | module <num> ] +

### 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>num</i>	(Optional) Slot/module number

### 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	Meast 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 restart

show forwarding restart [ module <module> ]

## Syntax Description

show	
forwarding	fib information
restart	restart fib
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

# show forwarding test

show forwarding test { on | off } [ module <module> ]

## Syntax Description

show	
forwarding	fib information
test	show test variable
on	set variable
off	reset variable
module	(Optional) slot
<i>module</i>	(Optional) slot 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 forwarding trace profile funcstats**



## G Show Commands

---

- [show guestshell detail, on page 260](#)

# show guestshell detail

show guestshell detail

## Syntax Description

show	Show running system information
guestshell	Display guest shell service information
detail	Detailed guest shell service information

## Command Mode

- /exec





## H Show Commands

---

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- [show hardware ip verify](#), on page 264
- [show hardware access-list lou resource threshold](#), on page 265
- [show hardware access-list resource pooling](#), on page 266
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- [show hsrp summary](#), on page 307

# show hardware

show hardware

## Syntax Description

show	Show running system information
hardware	Show hardware information

## 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 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 region

show hardware access-list tcam 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 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

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 ipmac

```
show hardware flow ipmac [ { { 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
ipmac	IPv4+MAC
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
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 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 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-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 rate-limiter

```
show hardware rate-limiter [ module <module> ] [ layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2
<l2-opts> | <opts> | fl <f1-opts> ]
```

## 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)
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

## Command Mode

- /exec



# show hardware rl snmp class-id

show hardware rl snmp class-id <class-id>

## Syntax Description

show	Show running system information
hardware	Show hardware information
rl	Show Rate-Limiter configs and statistics
snmp	Show Rate-Limiter snmp information
class-id	rate-limiter class-id
<i>class-id</i>	rate-limiter class

## Command Mode

- /exec

# show hardware rl snmp global class-id

show hardware rl snmp global class-id <class-id>

## Syntax Description

show	Show running system information
hardware	Show hardware information
rl	Show Rate-Limiter configs and statistics
snmp	Show Rate-Limiter snmp information
global	Show Global information
class-id	rate-limiter class-id
<i>class-id</i>	rate-limiter class

## Command Mode

- /exec

# show hardware rl snmp local snmp-index

show hardware rl snmp local snmp-index <snmp-index> class-id <class-id>

## Syntax Description

show	Show running system information
hardware	Show hardware information
rl	Show Rate-Limiter configs and statistics
snmp	Show Rate-Limiter snmp information
local	Show Local information
snmp-index	snmp physical index
<i>snmp-index</i>	physical index
class-id	rate-limiter class-id
<i>class-id</i>	rate-limiter class

## 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

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 ext-mib sec-addr

show hsrp ext-mib sec-addr [ <ifindex-in> <group-id-in> <ip1-in> <ip2-in> <ip3-in> <ip4-in> ]

### Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
ext-mib	Show hsrp extended mib specific configuration
sec-addr	Secondary virtual address
<i>ifindex-in</i>	(Optional) hsrp group ifindex
<i>group-id-in</i>	(Optional) hsrp group id
<i>ip1-in</i>	(Optional) first part of vip
<i>ip2-in</i>	(Optional) second part of vip
<i>ip3-in</i>	(Optional) third part of vip
<i>ip4-in</i>	(Optional) fourth part of vip

### Command Mode

- /exec

## show hsrp ext-mib use-bia

show hsrp ext-mib use-bia [ <ifindex-in> ]

### Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
ext-mib	Show hsrp extended mib specific configuration
use-bia	Use BIA
<i>ifindex-in</i>	(Optional) hsrp group ifindex

### 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 incompatibility-all

```
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

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	(Optional) Brief
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> ] +

## 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

## 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 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 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 impact

show install impact <uri0>

## Syntax Description

show	Show running system information
install	Show the software install impact between two images
impact	impact system_uri {active_system_uri/active_kickstart_uri}
<i>uri0</i>	Enter system URI

## Command Mode

- /exec

# show install impact detail

show install impact <uri0> detail

## Syntax Description

show	Show running system information
install	Show the software install impact between two images
impact	impact system_uri {active_system_uri/active_kickstart_uri}
<i>uri0</i>	Enter system URI
detail	Show detailed install impact of given system image

## Command Mode

- /exec

# show install impact

show install impact <uri0> <uri1>

## Syntax Description

show	Show running system information
install	Show the software install impact between two images
impact	impact system_uri {active_system_uri/active_kickstart_uri}
<i>uri0</i>	Enter system URI
<i>uri1</i>	Enter active URI

## Command Mode

- /exec

# show install log

show install log { [ <id> | from <id1> ] [ 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>idl</i>	(Optional) Install Identifier
detail	(Optional) Detailed information including impacted processes
reverse	(Optional) Displays the logs in reverse order
last	(Optional) Display the logs for last install operation

## 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 [ <if> ] private-vlan mapping

## Syntax Description

show	Show running system information
interface	Show interface status and information
private-vlan	Show interface private vlan information
mapping	Show interface private vlan information
<i>if</i>	(Optional) Vlan Interface number

## 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 (single)

show\_interface <single>

### Syntax Description

show_interface	Port_mgr hidden command
single	interface type and number in module/slot format

### Command Mode

- /exec

# show interface (brief)

show interface <ifid> [ brief ]

## 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
brief	(Optional) Show brief info of interface

## Command Mode

- /exec

# show interface (ifmgmt)

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 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 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 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

```
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 (controller)

show interface [ controller ]

### Syntax Description

show	Show running system information
interface	Show interface status and information
controller	(Optional) Show controller configured interfaces

### Command Mode

- /exec

# show interface (ifloop)

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 (iftun\_desc)

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 (ifloop\_brf 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 (iftunnel\_brf 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 (ifmgmt\_brf 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 (ifeth)

show interface <ifeth>

## 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

## Command Mode

- /exec

# show interface (ifeth\_brf 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 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 <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 (snmp)

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 errors (ifeth\_ctr\_errs)

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 storm-control

show interface <ifeth\_ctr\_stm\_ctrl> counters storm-control

## 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

## Command Mode

- /exec

# show interface counters trunk (ifeth\_ctr\_trnk)

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 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 (ifid\_mgmt\_loop)

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 (ifid\_eth)

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 (iftun\_desc)

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 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 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 (ifid\_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 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 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 (err-disabled)

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 switchport

show interface <ifeth\_swch> switchport

## Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_swch</i>	Enter interface type and number in module/slot format
switchport	Show interface switchport 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 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 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 counters

```
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	(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 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 (ifloop\_ctr\_dtl)

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 (snmp)

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 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 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 (ifrange)

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 brief (ifrange)

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 counters (ifrange)

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 status (err-disabled)

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 description (ifrange)

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 (ifrange)

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 brief (ifrange)

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 (ifrange 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 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 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 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 description (ifid)

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 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	(Optional) Show controller configured interfaces
cli	(Optional) Show CLI configured interfaces

## 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 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

## Syntax Description

show	Show running system information
interface	Show interface status and information
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 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 errors

show interface counters errors [ module <module> ]

### 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

### 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 counters storm-control [ 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
<i>module</i>	(Optional) Enter module number

## 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 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 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 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 hardware-mappings

show interface hardware-mappings

### Syntax Description

show	Show running system information
interface	Interface
hardware-mappings	Show hardware port number and unit information for interfaces

### 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 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 status [ down | inactive | module <module> | up ]

## 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
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 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 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 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 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

## 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 inventory

show inventory [ chassis | fans | power\_supply | module [ <module> ] | <s0> [ <santa-cruz-range> ] ]

## 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

## Command Mode

- /exec

# show ip

```
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 received-routes

```
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> } [ 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
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

show ip received-routes

- /exec

# show ip 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 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 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 extcommunity-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 } | 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 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 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 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 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 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	(Optional) private

## 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 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 cache

show ip arp cache { { brief | detail } | { interface [ <intf> ] } } [ operational ]

## Syntax Description

show	Show running system information
ip	Display IP information
arp	arp
cache	Display ip arp cache
interface	Display ip arp related interface information
brief	Display summary of arp interface status and configuration
detail	Display detailed information of arp interface status and configuration
operational	(Optional) Display only interfaces that are administratively enabled
<i>intf</i>	(Optional) Interface name to display

## 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 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	Trsut 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 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 snmp ptree

```
show ip arp snmp ptree { static | dynamic | virtual | typeall } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
snmp	Show only snmp ptree
ptree	Patricia tree
static	show only static adjacencies in pt tree
dynamic	show only dynamic adjacencies in pt tree
virtual	show only virtual adjacencies in pt tree
typeall	show all adjacencies in pt tree
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

## 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 vaddr

show ip arp vaddr

## Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
vaddr	Display VADDR ARP table

## 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 cache

show ip cache { { brief | detail } | { interface [ <intf> ] } } [ operational ]

## Syntax Description

show	Show running system information
ip	Display IP information
cache	Display ip cache
brief	Display summary of ip interface status and configuration
detail	Display detailed information of ip interface status and configuration
operational	(Optional) Display only interfaces that are administratively enabled
interface	Display ip related interface information
<i>intf</i>	(Optional) Interface name to display

## 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 debug

show ip debug

## Syntax Description

show	Show running system information
ip	Display IP information
debug	Display IP debug-filter configuration

## 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 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 eigrp [ <eigrp-ptag> ] [ internal ] event-history bfd

## Syntax Description

show	Show running system information
ip	Display IP information
eigrp	Display EIGRP status and configuration
<i>eigrp-ptag</i>	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Event History of EIGRP
bfd	Show bfd log of EIGRP

## Command Mode

- /exec

# show ip eigrp

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

## Syntax Description

show	Show running system information
ip	Display IP 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
route-map	Route-map related information
statistics	Route-map statistics
redistribute	Redistribute information from another routing protocol
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
isis	IS-IS Routing for IPv4
ospf	Open Shortest Path First (OSPF)
rip	Routing Information Protocol (RIP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>tag</i>	Process tag
static	Static routes
direct	Directly connected
amt	AMT Anycast prefix
lisp	LISP EID-prefixes

## Command Mode

- /exec

# show ip eigrp

show ip eigrp [ <eigrp-ptag> ] internal library-info

## Syntax Description

show	Show running system information
ip	Display IP information
eigrp	Display EIGRP status and configuration
<i>eigrp-ptag</i>	(Optional) Process tag
internal	Commands for internal use
library-info	Show various event logs of library

## 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 adjacency

show ip fib adjacency [ <aif> ] [ <anh> ] [ module <module> ]

## Syntax Description

show	
ip	Display IP information
fib	Forwarding information
adjacency	display adjacency information
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next hop
module	(Optional) slot
<i>module</i>	(Optional) slot number

## Command Mode

- /exec

# show ip fib interfaces

show ip fib interfaces [ module <module> ]

## Syntax Description

show	
ip	Display IP information
fib	Forwarding information
interfaces	show fib interface info
module	(Optional) slot
<i>module</i>	(Optional) slot number

## 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 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 mroute txlist

show ip fib mroute txlist [ module <module> ]

## Syntax Description

show	
ip	Display IP information
fib	Forwarding information
mroute	display IP mcast routing table
txlist	display routes in the txlist
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	(Optional) display info per vpn-id
<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 routes via specified adjacency
<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 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	(Optional) display info per vpn-id
<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 routes via specified adjacency
<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 ftm statistics

show ip ftm statistics

## Syntax Description

show	Show running system information
ip	Display IP information
ftm	FTM API
statistics	Statistics

## 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

```
show ip igmp { groups | route } [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ <interface> ] [
summary ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ summary-old ]
```

## 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	(Optional) Display group summary

## Command Mode

- /exec

# show ip igmp

```
show ip igmp [ internal ] event-history { errors | msgs | <igmp-event-hist-buf-name> | statistics }
```

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
internal	(Optional) Commands for internal use
event-history	Show various event logs of IGMP
errors	Show error logs of IGMP
msgs	Show various message logs of IGMP
<i>igmp-event-hist-buf-name</i>	Show various logs of IGMP
statistics	Show state and size of buffer

## Command Mode

- /exec

# show ip igmp interface

show ip igmp interface <interface> [ detail ] | show ip igmp interface [ brief ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]

### Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
interface	Display IGMP interface related 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
<i>interface</i>	Interface name of single interface to display
brief	(Optional) Display one line status per interface

### 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> } ]
```

## 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

## Command Mode

- /exec

# show ip igmp snooping

```
show ip igmp snooping [ otv ] groups [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ vlan <vlan> ] [ detail ] [ summary ]
```

## 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
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/BD IGMP snooping membership information
<i>vlan</i>	(Optional) Specify VLAN/BD
detail	(Optional) Display detailed information for the group
<i>source</i>	(Optional)

## Command Mode

- /exec

# show ip igmp snooping

```
show ip igmp snooping [ internal ] event-history { statistics | <igmp-snoop-event-hist-buf-name> }
```

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
internal	(Optional) Display IGMP snooping internal information
event-history	Show various event logs of IGMP Snooping
statistics	Show state and size of the buffers
<i>igmp-snoop-event-hist-buf-name</i>	Show contents of event-history buffer

## Command Mode

- /exec

# show ip igmp snooping

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 explicit-tracking

show ip igmp snooping explicit-tracking [ 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
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

## Command Mode

- /exec

# show ip igmp snooping lookup-mode

show ip igmp snooping lookup-mode [ vlan <vlan> ]

## 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/BD information
vlan	(Optional) Specify VLAN/BD

## Command Mode

- /exec

# show ip igmp snooping mac-oif

show ip igmp snooping mac-oif [ vlan <vlan> ] [ 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/BD information
<i>vlan</i>	(Optional) Specify VLAN/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 ]

## 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	(Optional) Display detailed mrouter information

## 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 snmp mib adminMode

show ip igmp snooping snmp mib adminMode

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
adminMode	Indicates the administrative snooping mode of IGMP Snooping feature

## Command Mode

- /exec

# show ip igmp snooping snmp mib aliasingMode

show ip igmp snooping snmp mib aliasingMode

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
aliasingMode	Indicates the current IGMP Address Aliasing Mode of the device

## Command Mode

- /exec

# show ip igmp snooping snmp mib cisV3ProcessEnableOperStatus

show ip igmp snooping snmp mib cisV3ProcessEnableOperStatus

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
cisV3ProcessEnableOperStatus	Indicates the current operational status of IGMP v3 processing in the system

## Command Mode

- /exec

# show ip igmp snooping snmp mib explicitTrackingTable

show ip igmp snooping snmp mib explicitTrackingTable [ vlan <cisVlanIndex-in> ]

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
explicitTrackingTable	Show mib table cisVlanExplicitTrackingTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
<i>cisVlanIndex-in</i>	(Optional) Specify VLAN/BD

## Command Mode

- /exec



# show ip igmp snooping snmp mib fallBackTime

show ip igmp snooping snmp mib fallBackTime

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
fallBackTime	Indicates the time the IGMP address aliasing mode is fallback

## Command Mode

- /exec

# show ip igmp snooping snmp mib fastBlockEnabled

show ip igmp snooping snmp mib fastBlockEnabled

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
fastBlockEnabled	Indicates whether Fast-Block mechanism has been enabled for the system

## Command Mode

- /exec

# show ip igmp snooping snmp mib fastleaveenabled

show ip igmp snooping snmp mib fastleaveenabled

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
fastleaveenabled	Check if fastleave is enabled

## Command Mode

- /exec

# show ip igmp snooping snmp mib filterStatsTable

```
show ip igmp snooping snmp mib filterStatsTable [ interface <ifIndex-in> vlan <cisFilterStatsVlanNumber-in> ]
```

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
filterStatsTable	Display VLAN/BD Filter Group
interface	(Optional) Display interface
<i>ifIndex-in</i>	(Optional) Interface Index
vlan	(Optional) Display Interface access group VLAN/BD information
<i>cisFilterStatsVlanNumber-in</i>	(Optional) Specify VLAN/BD

## Command Mode

- /exec

# show ip igmp snooping snmp mib ifAccessGroupTable

```
show ip igmp snooping snmp mib ifAccessGroupTable [ interface <ifIndex-in> vlan <cisIfAccessGroupVlan-in> ]
```

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
ifAccessGroupTable	Display interface access group
interface	(Optional) Display interface
<i>ifIndex-in</i>	(Optional) Interface Index
vlan	(Optional) Display Interface access group VLAN/BD information
<i>cisIfAccessGroupVlan-in</i>	(Optional) Specify VLAN/BD

## Command Mode

- /exec

# show ip igmp snooping snmp mib ifConfigTable

show ip igmp snooping snmp mib ifConfigTable [ interface <ifIndex-in> ]

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
ifConfigTable	Display interface configuration
interface	(Optional) Display interface
<i>ifIndex-in</i>	(Optional) Interface Index

## Command Mode

- /exec

# show ip igmp snooping snmp mib ifLimitTable

show ip igmp snooping snmp mib ifLimitTable [ interface <ifIndex-in> vlan <cisIfLimitVlanNumber-in> ]

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
ifLimitTable	Display interface configuration
interface	(Optional) Display interface
<i>ifIndex-in</i>	(Optional) Interface Index
vlan	(Optional) Display Interface Limit VLAN/BD information
<i>cisIfLimitVlanNumber-in</i>	(Optional) Specify VLAN/BD

## Command Mode

- /exec

# show ip igmp snooping snmp mib ifLimitTotalTable

show ip igmp snooping snmp mib ifLimitTotalTable [ interface <ifIndex-in> ]

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
ifLimitTotalTable	Display interface configuration
interface	(Optional) Display interface
<i>ifIndex-in</i>	(Optional) Interface Index

## Command Mode

- /exec



# show ip igmp snooping snmp mib igmpsnoopingenabled

show ip igmp snooping snmp mib igmpsnoopingenabled

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
igmpsnoopingenabled	Check if IGMP snooping is enabled

## Command Mode

- /exec

# show ip igmp snooping snmp mib interfaceStatsTable

show ip igmp snooping snmp mib interfaceStatsTable [ interface <ifIndex-in> ]

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
interfaceStatsTable	Display interface stats
interface	(Optional) Display interface information
<i>ifIndex-in</i>	(Optional) Interface Index

## Command Mode

- /exec

# show ip igmp snooping snmp mib lastMemeberQueryCount

show ip igmp snooping snmp mib lastMemeberQueryCount

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
lastMemeberQueryCount	Specifies the Last Member Query Count value of this device

## Command Mode

- /exec

# show ip igmp snooping snmp mib lastMemeberQueryInterval

show ip igmp snooping snmp mib lastMemeberQueryInterval

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
lastMemeberQueryInterval	Specifies the IGMP Last Member Query Interval of this device

## Command Mode

- /exec

# show ip igmp snooping snmp mib leaveQueryType

show ip igmp snooping snmp mib leaveQueryType

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
leaveQueryType	Indicates type of leave query

## Command Mode

- /exec

# show ip igmp snooping snmp mib mcastGroupTable

```
show ip igmp snooping snmp mib mcastGroupTable [ vlan <cisMcastGroupVlanIndex-in>
<cisMcastGroupAddressType-in> <cisMcastGroupAddress-in> ]
```

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
mcastGroupTable	Show mib table cisMcastGroupTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
<i>cisMcastGroupVlanIndex-in</i>	(Optional) Specify VLAN/BD
<i>cisMcastGroupAddressType-in</i>	(Optional) Address type
<i>cisMcastGroupAddress-in</i>	(Optional) Group address

## Command Mode

- /exec

# show ip igmp snooping snmp mib mcastRouterCfgTable

show ip igmp snooping snmp mib mcastRouterCfgTable [ interface <ifIndex-in> vlan <cisMcastRouterVlanIndex-in> ]

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
mcastRouterCfgTable	show mib table cisMcastRouterCfgTable
interface	(Optional) Display Mcast Router Interface Information
<i>ifIndex-in</i>	(Optional) Specify the Mcast router interface
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
<i>cisMcastRouterVlanIndex-in</i>	(Optional) Specify VLAN/BD

## Command Mode

- /exec

# show ip igmp snooping snmp mib mcastRouterConfigTable

show ip igmp snooping snmp mib mcastRouterConfigTable [ vlan <cisMcastRouterConfigVlanIndex-in>  
interface <ifIndex-in> ]

**Syntax Description**

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
mcastRouterConfigTable	show mib table cisMcastRouterConfigTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
<i>cisMcastRouterConfigVlanIndex-in</i>	(Optional) Specify VLAN/BD
interface	(Optional) Display Mcast Router Interface Information
<i>ifIndex-in</i>	(Optional) Specify the Mcast router interface index

**Command Mode**

- /exec



# show ip igmp snooping snmp mib multicastGroupConfigTable

```
show ip igmp snooping snmp mib multicastGroupConfigTable [ vlan <cisMulticastGroupConfVlanIndex-in>
<cisMulticastGroupConfCeVlanIndex-in> <cisMulticastGroupConfAddressType-in>
<cisMulticastGroupConfAddress-in> <cisMulticastGroupConfSourceAddress-in>
<cisMulticastGroupConfPortRange-in> ]
```

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
multicastGroupConfigTable	show mib table cisMulticastGroupConfigTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
<i>cisMulticastGroupConfVlanIndex-in</i>	(Optional) Specify VLAN/BD
<i>cisMulticastGroupConfCeVlanIndex-in</i>	(Optional) Specify consumer edge VLAN/BD
<i>cisMulticastGroupConfAddressType-in</i>	(Optional) Group Address Type
<i>cisMulticastGroupConfAddress-in</i>	(Optional) Group address
<i>cisMulticastGroupConfSourceAddress-in</i>	(Optional) source address
<i>cisMulticastGroupConfPortRange-in</i>	(Optional) port Range

## Command Mode

- /exec

# show ip igmp snooping snmp mib multicastGroupPortListTable

```
show ip igmp snooping snmp mib multicastGroupPortListTable [ vlan <cisMulticastGroupVlanIndex-in>
<cisMulticastGroupCeVlanIndex-in> <cisMulticastGroupAddressType-in> <cisMulticastGroupAddress-in>
<cisMulticastGroupSourceAddress-in> <cisMulticastGroupPortRangeIndex-in> ]
```

**Syntax Description**

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
multicastGroupPortListTable	show mib table multicastGroupPortListTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
<i>cisMulticastGroupVlanIndex-in</i>	(Optional) Specify VLAN/BD
<i>cisMulticastGroupCeVlanIndex-in</i>	(Optional) Specify consumer edge VLAN/BD
<i>cisMulticastGroupAddressType-in</i>	(Optional) Group Address Type
<i>cisMulticastGroupAddress-in</i>	(Optional) Group address
<i>cisMulticastGroupSourceAddress-in</i>	(Optional) source address
<i>cisMulticastGroupPortRangeIndex-in</i>	(Optional) port Range Index

**Command Mode**

- /exec

# show ip igmp snooping snmp mib multicastGroupTable

```
show ip igmp snooping snmp mib multicastGroupTable [ vlan <cisMulticastGroupVlanIndex-in>
<cisMulticastGroupCeVlanIndex-in> <cisMulticastGroupAddressType-in> <cisMulticastGroupAddress-in>
<cisMulticastGroupSourceAddress-in> ]
```

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
multicastGroupTable	show mib table multicastGroupTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
<i>cisMulticastGroupVlanIndex-in</i>	(Optional) Specify VLAN/BD
<i>cisMulticastGroupCeVlanIndex-in</i>	(Optional) Specify consumer edge VLAN/BD
<i>cisMulticastGroupAddressType-in</i>	(Optional) Group Address Type
<i>cisMulticastGroupAddress-in</i>	(Optional) Group address
<i>cisMulticastGroupSourceAddress-in</i>	(Optional) Source address

## Command Mode

- /exec

# show ip igmp snooping snmp mib operMode

show ip igmp snooping snmp mib operMode

**Syntax Description**

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
operMode	Indicates the operational snooping mode of the device

**Command Mode**

- /exec

# show ip igmp snooping snmp mib querierTable

show ip igmp snooping snmp mib querierTable [ vlan <cisIgmpQuerierVlanIndex-in> ]

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
querierTable	Show mib table cisIgmpQuerierTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
<i>cisIgmpQuerierVlanIndex-in</i>	(Optional) Specify VLAN/BD

## Command Mode

- /exec

# show ip igmp snooping snmp mib reportsuppressionenabled

show ip igmp snooping snmp mib reportsuppressionenabled

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
reportsuppressionenabled	Check if reportsuppression is enabled

## Command Mode

- /exec

# show ip igmp snooping snmp mib robustnessVariable

show ip igmp snooping snmp mib robustnessVariable

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
robustnessVariable	Specifies the Robustness Variable of this device

## Command Mode

- /exec

# show ip igmp snooping snmp mib routerAlertCheckEnabled

show ip igmp snooping snmp mib routerAlertCheckEnabled

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
routerAlertCheckEnabled	Specifies whether checking of Router-Alert option is enabled for IGMP traffic in the system

## Command Mode

- /exec



# show ip igmp snooping snmp mib sourceOnlyEntryAgingTime

show ip igmp snooping snmp mib sourceOnlyEntryAgingTime

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
sourceOnlyEntryAgingTime	Specifies the aging time in seconds for Source Only multicast entries

## Command Mode

- /exec

# show ip igmp snooping snmp mib sourceOnlyLearningEnabled

show ip igmp snooping snmp mib sourceOnlyLearningEnabled

**Syntax Description**

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
sourceOnlyLearningEnabled	Specifies whether Source Only multicast entries are learned by IGMP Snooping or not

**Command Mode**

- /exec

# show ip igmp snooping snmp mib tcnFloodQueryCount

show ip igmp snooping snmp mib tcnFloodQueryCount

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
tcnFloodQueryCount	Specifies the flooding period for multicast traffic upon receiving Topology Change Notifications

## Command Mode

- /exec

# show ip igmp snooping snmp mib timeToLiveCheckEnabled

show ip igmp snooping snmp mib timeToLiveCheckEnabled

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
timeToLiveCheckEnabled	Specifies whether Time-To-Live (TTL) check is enabled when processing IGMP packets in the system

## Command Mode

- /exec

# show ip igmp snooping snmp mib topoChangeQuerySolicitEnabled

show ip igmp snooping snmp mib topoChangeQuerySolicitEnabled

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
topoChangeQuerySolicitEnabled	Specifies whether the device running IGMP Snooping will solicit IGMP General Queries from the Querier upon receiving a TCN

## Command Mode

- /exec

# show ip igmp snooping snmp mib v3ProcessEnabledAdminStatus

show ip igmp snooping snmp mib v3ProcessEnabledAdminStatus

**Syntax Description**

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
v3ProcessEnabledAdminStatus	Indicates the administrative status of IGMP v3 processing in the system

**Command Mode**

- /exec

# show ip igmp snooping snmp mib v3SnoopingSupport

show ip igmp snooping snmp mib v3SnoopingSupport

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
v3SnoopingSupport	Indicates IGMP Snooping support for IGMPv3

## Command Mode

- /exec

# show ip igmp snooping snmp mib vlanFilterConfigTable

show ip igmp snooping snmp mib vlanFilterConfigTable [ vlan <cisVlanIndex-in> ]

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
vlanFilterConfigTable	Display VLAN/BD Filter Group
vlan	(Optional) Display Interface access group VLAN/BD information
<i>cisVlanIndex-in</i>	(Optional) Specify VLAN/BD

## Command Mode

- /exec



# show ip igmp snooping snmp mib vlanconfigtable

show ip igmp snooping snmp mib vlanconfigtable [ vlan <cisVlanIndex-in> ]

## Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
vlanconfigtable	Show mib table cisVlanConfigTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
<i>cisVlanIndex-in</i>	(Optional) Specify VLAN/BD

## Command Mode

- /exec

# show ip igmp snooping statistics

show ip igmp snooping statistics [ global | 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
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 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	(Optional) Display virtual IP addresses as well

## 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 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-pt

show ip local-pt [ vrf { <vrf-name> | <vrf-known-name> | all } ]

## Syntax Description

show	Show running system information
ip	Display IP information
local-pt	Display local ip address ptree
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

## Command Mode

- /exec

# 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	(Optional) logging hash data

## Command Mode

- /exec

# show ip msdp

```
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 event-history

show ip msdp [ <asn> ] [ internal ] event-history { errors | msgs | <msdp-event-hist-buf-name> | statistics }

## Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
<i>asn</i>	(Optional) AS number
internal	(Optional) Commands for internal use
event-history	Show various event logs of MSDP
errors	Error logs of MSDP
msgs	Message logs of MSDP
<i>msdp-event-hist-buf-name</i>	Buffer
statistics	Buffer state

## 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

```
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 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 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> } ] [ verbose ]
```

## 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

## 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 ha

```
show ip ospf [ <tag> ] ha [ 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
ha	High Availability status

## 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	(Optional) Developer-only statistics

## 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 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 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	(Optional) Developer-only statistics

## 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 ospf (tag)

show ip ospf [ <tag> ]

## 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 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 summary-address

show ip ospf [ <tag> ] summary-address [ 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

## 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 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 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	(Optional) Display all OSPF routes

## Command Mode

- /exec

# show ip ospf (database)

```
show ip ospf [ <tag> ] database [ [ [ network | asbr-summary | summary | router | opaque-link | opaque-area |
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 [ 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

area	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
ext_tag	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
detail	Display LSA in detail

**Command Mode**

- /exec



# show ip ospf database

```
show ip ospf [ <tag> ] database [ [ [ network | asbr-summary | summary | router | opaque-link | opaque-area | nssa-external ] [ area <area-id-ip> ] ] | external [ ext_tag <tag_val> ] | opaque-as [ [ <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
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>adv-id</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
ext_tag	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value

**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 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
<code>tag</code>	(Optional) Process tag
<code>retransmission-list</code>	Link state retransmission list
<code>routerid</code>	Neighbor router ID
<code>router-name</code>	DNS Name of the router
<code>interface</code>	OSPF enabled interface

## Command Mode

- /exec

# show ip ospf request-list

```
show ip ospf [ <tag> ] request-list { <ip-addr> | <neighbor-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
<code>tag</code>	(Optional) Process tag
<code>request-list</code>	Link state request list
<code>interface</code>	OSPF enabled interface
<code>ip-addr</code>	Neighbor router ID
<code>neighbor-name</code>	DNS Name of the neighbor

## 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 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 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 memory

show ip ospf [ <tag> ] memory

## Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
memory	Memory usage statistics

## Command Mode

- /exec

# show ip ospf policy statistics

```
show ip ospf [ <inst> ] policy statistics { { redistribute { { bgp | eigrp } <as> | { isis | ospf | rip } <tag> | static
| direct | amt } } | { area <area-id-ip> filter-list { in | out } } } [ 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>inst</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
policy	Display Policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
isis	ISO Intermediate-to-Intermediate (IS-IS)
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
ospf	Open Shortest Path First (OSPFv2)
eigrp	Enhanced Interior Gateway Protocol (EIGRP)
rip	Routing Information Protocol (RIP)
static	Static
direct	Directly connected
amt	AMT anycast prefix
<i>tag</i>	Source protocol tag
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas

in	Filter networks sent to this area
out	Filter networks sent from this area

**Command Mode**

- /exec

# show ip ospf traps-queue

show ip ospf [ <tag> ] traps-queue

## Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
traps-queue	Show all the priority traps queue parameters

## Command Mode

- /exec

## show ip ospf missed-traps-statistics

```
show ip ospf [ <tag> ] [ internal ] missed-traps-statistics
```

### Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
internal	(Optional) Commands for internal use
missed-traps-statistics	Show the statistics for all the ospf traps not sent due to rate limiting

### Command Mode

- /exec

# show ip ospf event-history

show ip ospf [ <tag> ] [ internal ] event-history { errors | msgs | statistics | adjacency | event | ha | flooding | lsa | spf | redistribution | ldp | te | rib | hello | spf-trigger | cli }

## Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Show various event logs of OSPF
errors	Error logs
msgs	IPC logs
statistics	Show the state and size of the buffers
adjacency	Adjacency formation logs
event	Internal event logs
ha	HA and GR logs
flooding	LSA flooding logs
lsa	LSA generation and database logs
spf	SPF calculation logs
redistribution	Redistribution logs
ldp	LDP related logs
te	MPLS TE related logs
rib	RIB related logs
hello	Hello related logs
cli	Cli logs
spf-trigger	SPF TRIGGER related logs

## Command Mode

- /exec

# show ip ospf event-history detail

show ip ospf [ <tag> ] [ internal ] event-history detail [ statistics ]

## Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Show event history of OSPF
detail	Show detailed event history information
statistics	(Optional) Show the state and size of the verbose history buffer

## Command Mode

- /exec

# show ip overlay-traffic

show ip overlay-traffic

## Syntax Description

show	Show running system information
ip	Display IP information
overlay-traffic	Display IP overlay software processed traffic statistics

## Command Mode

- /exec



# show ip pim

show ip pim [ internal ] event-history { errors | msgs | <pim-event-hist-buf-name> | statistics }

## Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
internal	(Optional) Commands for internal use
event-history	Show various event logs of PIM
errors	Show error logs of PIM
msgs	Show various message logs of PIM
<i>pim-event-hist-buf-name</i>	Show event hist buffer name
statistics	Show the state and size of the buffer

## Command Mode

- /exec

# show ip pim bitfield

show ip pim bitfield

## Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
bitfield	Display compressed bitfield details

## 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 interface

show ip pim interface <interface> | show ip pim interface [ brief ] [ internal ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]

## 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>	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	(Optional) Commands for internal use

## Command Mode

- /exec



# show ip pim lisp encap

show ip pim lisp encap

## Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
lisp	LISP related information
encap	All the encap indices

## Command Mode

- /exec

# show ip pim neighbor

```
show ip pim neighbor { [ <interface> ] | [ <ipaddr> ] } [ detail | internal ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

## 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>ipaddr</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	(Optional) Display detailed information
internal	(Optional) Commands for internal use

## 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 policy statistics

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 policy statistics

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

### Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
register-policy	Show statistics for register-policy
bsr	Bootstrap protocol RP-distribution policy
bsr-policy	Statistics for 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 route

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

## 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>	Group address to display
<i>source</i>	Source address to display
bitfield	(Optional) Display details of each bitfield for PIM 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 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 } ]
```

## 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
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 statistics

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

## 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

## 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	(Optional) Show detailed information
summary	(Optional) Show summarized information
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	(Optional) Show api values
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 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 router-id

```
show ip router-id [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

show	Show running system information
ip	Display IP information
router-id	Display IP router identification
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 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> ]

## Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
configuration	IP SLAs Configuration
<i>entry-num</i>	(Optional) Entry Number

## 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 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 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 stats

show ip stats

### Syntax Description

show	Show running system information
ip	Display IP information
stats	Display IP internal stats

### 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	(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 txlist

show ip txlist { list | member }

## Syntax Description

show	Show running system information
ip	Display IP information
txlist	Display IP txlist information
list	Display IP txlist main linkage
member	Display IP txlist active member linkage

## 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 cache

show ipv6 cache { { brief | detail } | { interface [ <intf> ] } } [ operational ]

## Syntax Description

show	Show running system information
ipv6	Display IPv6 information
cache	Display ipv6 cache
interface	Display ipv6 related interface information
brief	Display summary of ipv6 interface status and configuration
detail	Display detailed information of ipv6 interface status and configuration
operational	(Optional) Display only interfaces that are administratively enabled
<i>intf</i>	(Optional) Interface name to display

## 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 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 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 eigrp

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

## Syntax Description

show	Show running system 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
route-map	Route-map related information
statistics	Route-map statistics
redistribute	Redistribute information from another routing protocol
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
isis	IS-IS Routing for IPv4
ospfv3	Open Shortest Path First (OSPF) V3
rip	Routing Information Protocol (RIP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>tag</i>	Process tag
static	Static routes
direct	Directly connected
amt	AMT Anycast prefix

## 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 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 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 process sdb

show ipv6 icmp process sdb

## Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
process	Display process information
sdb	Dump IPv6 sdb in a file

## 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 interface global

show ipv6 interface global

## Syntax Description

show	Show running system information
ipv6	Display IPv6 information
interface	Display IPv6 related interface information
global	Show IPv6 global parameters

## Command Mode

- /exec

# show ipv6 local-pt

```
show ipv6 local-pt [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

show	Show running system information
ipv6	Display IPv6 information
local-pt	Display IPv6 local address pt data structure
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 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	(Optional) Display IPV6 Path MTU Cache with detail

## 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 ndp

show ipv6 ndp

## Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ndp	Show IPv6 neighbors from netstack

## 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 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	(Optional) Show detailed information
summary	(Optional) Show summarized information
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 process sdb

show ipv6 process sdb

## Syntax Description

show	Show running system information
ipv6	Display IPv6 information
process	Display IPv6 global information
sdb	Dump IPv6 sdb in a file

## Command Mode

- /exec

# show ipv6 rip

```
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 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	(Optional) All routers even on down interface
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 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
multicast	(Optional) Display configured static mroutes
track-table	(Optional) Display track object details associated with static routes
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 statistics

show ipv6 statistics

## Syntax Description

show	Show running system information
ipv6	Display IPv6 information
statistics	Display IPv6 global statistics

## 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	(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 itd

show itd <svc-name> [ brief ]

### Syntax Description

show	Show running system information
itd	ITD service
<i>svc-name</i>	ITD service name
brief	(Optional) brief

### 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 itd vrf



## K Show Commands

---

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- [show key chain mode decrypt](#), on page 669
- [show keystore](#), on page 670
- [show kim inconsistency](#), on page 671

# show key chain

```
{ show key chain [ <keychain> ] }
```

## Syntax Description

show	Show running system information
key	Display Key Information
chain	Display Keychain Information
<i>keychain</i>	(Optional) Keychain name

## 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 kim inconsistency



## L Show Commands

---

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# show l2fwder l2rib info

show l2fwder l2rib info

## Syntax Description

show	Show running system information
l2fwder	L2 software forwarding
l2rib	L2RIB
info	stats and info

## Command Mode

- /exec

# show l2fwder rmac

show l2fwder rmac <mac-address>

## Syntax Description

show	Show running system information
l2fwder	Display L2FWDER forwarding information
rmac	router mac
<i>mac-address</i>	MAC address

## Command Mode

- /exec

# show l2fwder statistics

show l2fwder statistics

## Syntax Description

show	Show running system information
l2fwder	Display L2FWDER forwarding information
statistics	Show L2FWDER packet counters

## 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 } [ static | local | bgp | vxlan | hmm | arp ] ] [ 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
static	(Optional) Static
local	(Optional) Local
bgp	(Optional) BGP
vxlan	(Optional) VXLAN
hmm	(Optional) HMM
arp	(Optional) ARP

## Command Mode

- /exec

## show l2rib registrations

```
show l2rib registrations [ client <client_id> [ <topo_id> { mac | mac-ip | ead | pl | imet | flood-list | arp-signal
| startup-route | topo } ] ]
```

### 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
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
arp-signal	(Optional) Filter on ARP Signal
topo	(Optional) Filter on Topo Subtype

### 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> [ 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)
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> [ static | local | bgp | vxlan ] [ mac <mac_addr> ] [ 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	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)
static	(Optional) Filter on Static producer
local	(Optional) Filter on Local producer
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
mac	(Optional) Filter on MAC address
<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 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 peerid

show l2route peerid

## Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
peerid	Display Peer ID DB

## 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 lacp counters

```
show lacp counters [ interface <if0> ]
```

## Syntax Description

show	Show running system information
lacp	LACP protocol
counters	LACP counters
interface	(Optional) Specify a port-channel
<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 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 brief

show license brief

## Syntax Description

show	Show running system information
license	show the contents of all the license files
brief	Show a list of license files

## Command Mode

- /exec



# show license file

show license file <license-file>

## Syntax Description

show	Show running system information
license	Show the contents of all the license files
file	Show contents of a license file
<i>license-file</i>	Show the contents of license file __nil__ Please install a license before using this command.

## 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 reserved

show license reserved

## Syntax Description

show	show commands
license	Display licensing information
reserved	Display reserved licenses information

## 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	(Optional) Show license usage table
<i>license-feature</i>	(Optional) Show services using license

## 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 lldp dcbx interface

show lldp dcbx interface <if0>

## Syntax Description

show	Show running system information
lldp	Show information about lldp
dcbx	Show dcbx information
interface	Show lldp interface information
<i>if0</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

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

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 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 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 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 [ { 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

show logging level { license | licmgr }

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
license	Show Licensing logging configuration
licmgr	Show Licensing logging configuration

## Command Mode

- /exec

# show logging level

show logging level { keystore | sksd }

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
keystore	Show Keystore logging configuration
sksd	show Keystore/sksd 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 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 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 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 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

show logging level core

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
core	Show core daemon logging configuration

## 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 device\_test

show logging level diagnostic device\_test

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
device_test	Show device_test 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 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 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 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 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 glbp

show logging level glbp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
glbp	Show glbp logging settings

## 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 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 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 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 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	Display IP information
igmp	Show igmp logging configuration

## Command Mode

- /exec



# show logging level ip 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	Display IP information
msdp	Show msdp logging configuration

## Command Mode

- /exec

# show logging level ip 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	Display IP information
pim	Show pim 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 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 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 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 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 mpls ldp

show logging level mpls ldp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Display MPLS status and configuration
ldp	Show LDP 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 mpls traffic-eng

show logging level mpls traffic-eng

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Display MPLS status and configuration
traffic-eng	Show Traffic Engineering 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 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 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 onep

show logging level onep

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
onep	One Platform

## 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

show logging level otv

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
otv	Show OTV logging 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 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 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 poap

show logging level poap

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
poap	Show poap 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-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 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 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 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 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 rsvp

show logging level rsvp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rsvp	Show RSVP 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 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 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 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 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 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

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 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 uddl

show logging level uddl

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
uddl	Show uddl 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 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 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 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 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
<i>s0</i>	(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
<i>i0</i>	(Optional)
<i>common_options</i>	(Optional) give the options
port1	(Optional) Show OBFL error statistics for a port
<i>i1</i>	(Optional)
module	(Optional) Show OBFL information for Module
<i>module</i>	(Optional) Enter module number
endtime1	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s1</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
port3	(Optional) Show OBFL error statistics for a port
<i>i3</i>	(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 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 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

show login

## Syntax Description

show	Show running system information
login	Display Secure Login Configurations and State

## Command Mode

- /exec

# show login failures

show login failures

## Syntax Description

show	Show running system information
login	Secure Login
failures	Display Login failures in the current watch period

## Command Mode

- /exec



## M Show Commands

---

- [show mac-list](#), on page 882
- [show mac vdc](#), on page 883
- [show maintenance on-reload reset-reasons](#), on page 884
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# show mac-list

```
show mac-list { [ <mac_list_name> [ { seq <seq_no> | { <mac_addr> [ <mac_mask> ] } } ] ] }
```

## Syntax Description

show	Show running system information
mac-list	Show mac-lists
<i>mac_list_name</i>	(Optional) Name of mac list
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 vdc

show mac vdc <vdc\_id>

## Syntax Description

show	show
mac	show management port mac address of the given vdc
vdc	show management port mac address of this vdc id
<i>vdc_id</i>	please enter vdc id

## 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 timeout

show maintenance timeout

## Syntax Description

show	Show running system information
maintenance	maintenance
timeout	timeout value

## Command Mode

- /exec

# show mgmt-policy

show mgmt-policy { <policy-name> | all }

## Syntax Description

show	Show running system information
mgmt-policy	PM Management policy
<i>policy-name</i>	Name of the policy
all	Show all policies

## 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

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 supported

show module supported

## Syntax Description

show	Show running system information
module	Show module information
supported	Show supported sw-card-types for this chassis

## 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 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

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 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 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 | 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)
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
summary	(Optional) LDP 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 label statistics

show mpls label statistics <label>

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
label	Show a specific label statistics
statistics	Statistics for the label
<i>label</i>	Label

## Command Mode

- /exec



# show mpls static binding

show mpls static binding [ ipv4 ] vrf { <vrf-name> | <vrf-known-name> } per-vrf

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	(Optional) Show ipv4 static label bindings
vrf	VRF Routing/Forwarding instance information
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
per-vrf	per-vrf static label bindings

## 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 ] } | { 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	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
local	(Optional) Incoming (local) static label bindings
remote	(Optional) Outgoing (remote) static label bindings
inconsistency	(Optional) Inconsistent bindings between config and URIB
<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

## Command Mode

- /exec

# show mpls static binding

```
show mpls static binding [ ipv4 ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ <prefix> { <mask> |
<mask-length> } | <prefix-mask> ] [ local | remote ] [ nexthop <addr> ]
```

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	(Optional) Show ipv4 static label bindings
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<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
local	(Optional) Incoming (local) static label bindings
remote	(Optional) Outgoing (remote) static label bindings
nexthop	(Optional) Next hop address
<i>addr</i>	(Optional) Next hop address

## Command Mode

- /exec

# show mpls strip labels

show mpls strip labels [ all | static | dynamic | <label\_val> ]

## Syntax Description

show	Show running system information
mpls	Configure MPLS settings
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> ] | <ipv6-prefix> [ vrf <vrf-name> ] | traffic-eng tunnels [ cbts ] [ <tunnel-id> ] | traffic-eng lsp
ipv4 [ <ingress-addr> <tunnel-id> ] | aggregate [ ipv4 | ipv6 ] [ vrf <vrf-name> ] | { fec { te_if | ipv4_te_lsp
| ipv6_te_lsp | ipv4_prefix [ vrf <vrf-name> ] | ipv6_prefix [ vrf <vrf-name> ] | deagg [ vrf <vrf-name> ] } }
| { summary } ] [ detail ] [ private ] [ vrf <vrf-name> ]
```

## 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
<i>ip-addr</i>	(Optional) Match destination address
<i>ipv4-prefix</i>	(Optional) Specify an IP prefix/mask
fec	(Optional) Show FEC information in the ULIB
private	(Optional) Show more detailed information in the ULIB
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
tunnels	(Optional) Show TE head-end information
cbts	(Optional) Show TE head-end CBTS information
lsp	(Optional) Show TE mid-point information
aggregate	(Optional) Show aggregate-related information
<i>intf</i>	(Optional) Specify outgoing interface
<i>ingress-addr</i>	(Optional) Match TE ingress address
summary	(Optional) Summarized information
detail	(Optional) Detailed information
te_if	(Optional) TE tunnel head-end
ipv4_te_lsp	(Optional) TE IPv4 LSP midpoint
ipv6_te_lsp	(Optional) TE IPv6 LSP midpoint

ipv4_prefix	(Optional) IPv4 prefix
ipv6_prefix	(Optional) IPv6 prefix
ipv4	(Optional) Display IPv4 information
ipv6	(Optional) Display IPv6 information
deagg	(Optional) De-aggregation
<i>tunnel-id</i>	(Optional) LSP Tunnel ID
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name (Max Size 32)

**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







## N Show Commands

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- [show ntp authentication-keys](#), on page 911
- [show ntp authentication-status](#), on page 912
- [show ntp logging-status](#), on page 913
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# 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 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 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 peers

```
show nve peers [ [ interface <nve-if> | peer-ip <user-peer-ip> | control-plane | data-plane ] [ detail ] ] [ control-plane-vni [ vni <vni-id> | peer-ip <user-peer-ip> ] ] [ 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	(Optional) Show peers configured by controller

## Command Mode

- /exec



# show nve peers counters

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

## Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
interface	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 vni

```
show nve vni [ { { interface <nve-if> | <vni-id> } [ 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
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	(Optional) show vni configured by controller

## Command Mode

- /exec

# show nve vni counters

show nve vni <vni-id> counters

## Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
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 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 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

show nxapi

## Syntax Description

show	Show running system information
nxapi	Show nxapi status

## Command Mode

- /exec



# show nxapi retries

show nxapi retries

## Syntax Description

show	Show running system information
nxapi	Show nxapi status
retries	Show retry entries from svc_ifc_confelem.log

## Command Mode

- /exec





## O Show Commands

---

- [show object-group](#), on page 936
- [show onep](#), on page 937
- [show onep cli-extensions applications](#), on page 938
- [show onep error](#), on page 939
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- [show onep statistics](#), on page 941
- [show onep status](#), on page 942
- [show onep trace](#), on page 943
- [show ospfv3](#), on page 944

# show object-group

show object-group [ <name> ]

## Syntax Description

show	Show running system information
object-group	Show configured ACL object groups
<i>name</i>	(Optional) object-group name

## Command Mode

- /exec

# show onep

```
show onep { session { all | <onep-session-id> | rate-limit } [ detail ] }
```

## Syntax Description

show	Show running system information
onep	One Platform
session	One Platform session
all	All sessions
<i>onep-session-id</i>	Specific session name
rate-limit	rate limiting feature info
detail	(Optional) Show detailed session info

## Command Mode

- /exec

# show onep cli-extensions applications

show onep cli-extensions applications

## Syntax Description

show	Show running system information
onep	One Platform
cli-extensions	CLI Extensions feature
applications	Onep applications using the CLI Extensions feature

## Command Mode

- /exec

# show onep error

show onep error

## Syntax Description

show	Show running system information
onep	One Platform
error	Error

## Command Mode

- /exec

# show onep history

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

## Syntax Description

show	Show running system information
onep	One Platform
history	One Platform history trails
archived	One Platform archived session
session	One Platform session
<i>onep-session-id</i>	Specific session name
all	All sessions

## Command Mode

- /exec



# show onep statistics

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

## Syntax Description

show	Show running system information
onep	One Platform
statistics	statistics
session	(Optional) One Platform session
all	(Optional) All sessions
<i>onep-session-id</i>	(Optional) Specific session name

## Command Mode

- /exec

# show onep status

show onep status

## Syntax Description

show	Show running system information
onep	One Platform
status	status

## Command Mode

- /exec

# show onep trace

show onep trace

## Syntax Description

show	Show running system information
onep	One Platform
trace	Trace

## Command Mode

- /exec

# show ospfv3

```
show ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] internal mem-stats [ no-libs ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

## Syntax Description

show	Show running system 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
internal	Commands for internal use
mem-stats	Show memory allocation statistics
no-libs	(Optional) Exclude libraries
detail	(Optional) Display detailed information

## Command Mode

- /exec



## P Show Commands

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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 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

## Command Mode

- /exec

# show pmap-int

```
show pmap-int { interface [ <i>iface-list</i> ] [ input | output ] [ type <qos-or-q> ] |
```

## 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)

## 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

```
show policy-map interface { [ <ifnum> ] } type psp { [ <pmap-name> [ client <clienttype> <clientID> ] ] [ handle <ppf_id> ] } { [ class-map-list { [ <cmap-name-plc> + ] [ class-map-handle <ppf_id1> + ] } ] }
```

## Syntax Description

show	Show running system information
policy-map	Show policy maps
interface	Show stats for interface
<i>ifnum</i>	(Optional) Interface type and number
type	Type of the policy-map
psp	type psp
<i>pmap-name</i>	(Optional) Policy-map name
client	(Optional) set client type
<i>clienttype</i>	(Optional) cli/onep
<i>clientID</i>	(Optional) client appID
handle	(Optional) Handle
<i>ppf_id</i>	(Optional) PPF ID
class-map-list	(Optional) Class-map list
<i>cmap-name-plc</i>	(Optional) Class-map name
class-map-handle	(Optional) Class-map Handle/s
<i>ppf_id1</i>	(Optional) PPF ID

## 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>slot-no-in</i>	(Optional) input slot no

## 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 policy-map type psp

```
show policy-map type psp { [ <pmap-name> [ client <clienttype> <clientID> ] [ cfg-mode <cfgmode> ] ] [ handle <ppf_id> ] }
```

### Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
psp	type psp
<i>pmap-name</i>	(Optional) Policy-map name
client	(Optional) set client type
<i>clienttype</i>	(Optional) cli/onep
<i>clientID</i>	(Optional) client appID
cfg-mode	(Optional) cfg-mode
<i>cfgmode</i>	(Optional) persistent/transient
handle	(Optional) Handle
<i>ppf_id</i>	(Optional) PPF ID

### 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-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 privilege

show privilege

## Syntax Description

show	Show running system information
privilege	Display privilege information

## Command Mode

- /exec

# show processes

show processes

## Syntax Description

show	Show running system information
processes	Show processes

## Command Mode

- /exec

# show processes

show processes { version | threads } [ <comp-string> ]

## Syntax Description

show	Show running system information
processes	Display process information
version	Display system release information
threads	Threads Info
<i>comp-string</i>	(Optional) Component name for detailed information

## 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 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

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 clis

show processes memory clis [ shared | private ]

## Syntax Description

show	Show running system information
processes	Display process information
memory	Display memory information
clis	
shared	(Optional) Display CLIS shared memory information
private	(Optional) Display CLIS private memory information

## 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

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

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

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

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

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

## Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
corrections	Display last few corrections

## Command Mode

- /exec



# show ptp counters

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

## Syntax Description

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

## Command Mode

- /exec

# show ptp packet-trace

show ptp packet-trace

## Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
packet-trace	Display last few pkt traces

## 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 time-property



## Q Show Commands

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# 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 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





## R Show Commands

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# 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 { <host0> }

## Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
<i>host0</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 redundancy status

show redundancy status

## Syntax Description

show	
redundancy	Show system redundancy status
status	Current redundancy status

## 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	(Optional) Also show hidden resources
with-flags	(Optional) Also show resource flags

## 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 rollback log

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

```
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 routing-context

show routing-context

## Syntax Description

show	Show running system information
routing-context	Display the current routing context

## Command Mode

- /exec

# show routing-privilege

show routing-privilege

## Syntax Description

show	Show running system information
routing-privilege	Display the current privilege level

## Command Mode

- /exec

# show routing

```
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	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
recursive-next-hop	Display recursive next-hop table

## 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> ] [ <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
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
<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
<i>src-port</i>	(Optional) Source-port
<i>dest-port</i>	(Optional) Destination-port
in-interface	(Optional) Incoming Interface for Packet
<i>in-interface</i>	(Optional) Interface Name
module	(Optional) Module
<i>module-id</i>	(Optional) Module

## Command Mode

- /exec

## show routing ipv6 nexthop info

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] nexthop info [ 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	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
nexthop	Show the nh_info tree
info	Show the nh_info tree

### Command Mode

- /exec

# show routing

```
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	(Optional) Display per-topology information
<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

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] internal distribution
```

## 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	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
internal	Commands for internal use
distribution	Display u6rib distribution information

## 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	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
nhlfe	Display NHLFE db
stats	(Optional) Display statistics

## Command Mode

- /exec



# show routing 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	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
hidden-nh	Display hidden next-hop information

## 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	(Optional) Display per-topology information
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 unresolved-next-hop

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] unresolved-next-hop { [ <ip-addr> [ detail ] ] | [ summary ] } [ vrf { <vrf-name> |
<vrf-known-name> | <vrf-all> } ]
```

### Syntax Description

show	Show running system information
routing	Display routing information
unresolved-next-hop	Display unresolved next-hop list
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
<i>ip-addr</i>	(Optional) Display single unresolved next-hop
detail	(Optional) Display prefixes for unresolved next-hop
summary	(Optional) Show summary of resolve buffers

### 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> ] [ <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	(Optional) Display per-topology information
<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
<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
module	(Optional) Module
<i>module-id</i>	(Optional) Module

## 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	(Optional) Display per-topology information
<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 memory statistics

show routing [ ip | ipv4 ] [ unicast ] memory statistics

## 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

## Command Mode

- /exec

# show routing memory estimate

```
show routing [ ip | ipv4 ] [ unicast ] memory estimate [ routes <route-count> [ next-hops <nh-count> ] [
next-hops-v6 <nh6-count> ] ] [ 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
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
labels	(Optional) When the routes are associated with next hop labels

## 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	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
nhlfe	Display URIB NHLFE db
stats	(Optional) Display statistics

## 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	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
hidden-nh	Display hidden next-hop information

## 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 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 vxlan-hash peer-ip

```
show routing vxlan-hash peer-ip <peer-ip> <inner-src-mac> <inner-dst-mac> [ <inner-src-ip> <inner-dst-ip>
] [ 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 running-config

show running-config

## Syntax Description

show	Show running system information
running-config	Current operating configuration

## Command Mode

- /exec

# show running-config include-switch-profile

show running-config { include-switch-profile }

## Syntax Description

show	Show running system information
running-config	Current operating configuration
include-switch-profile	Show running and switch-profile configuration

## Command Mode

- /exec

# show running-config

show running-config { netflow | nfm } [ all ]

## Syntax Description

show	Show running system information
running-config	Show running system information
netflow	Show NetFlow configuration
nfm	Show NFM configuration
all	(Optional) Show config with defaults

## 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 aclmgr

show running-config aclmgr { active-if-config | all-if-config }

## Syntax Description

show	Show running system information
running-config	Current operating configuration
aclmgr	show running config for aclmgr
active-if-config	show running config for active-policies
all-if-config	show running config for all-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

## Syntax Description

show	Show running system information
running-config	Current operating configuration
all	Current operating configuration with defaults

## Command Mode

- /exec

# show running-config amt

show running-config amt [ all ]

## Syntax Description

show	Show running system information
running-config	Current operationg configuration
amt	Display amt information
all	(Optional) Display running config with defaults clis

## 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 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

## Syntax Description

show	Show running system information
running-config	Current operating configuration
diff	Show the difference between running and startup configuration

## 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 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 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 explicit

show running-config explicit

## Syntax Description

show	Show running system information
running-config	Current operating configuration
explicit	show explicitly configured running configuration for all interfaces

## 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 glbp

show running-config glbp [ all ]

## Syntax Description

show	Show running system information
running-config	Show the system running information
glbp	Show GLBP running configuration
all	(Optional) Show GLBP running configuration 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 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 interface

show running-config interface <if0> explicit

## 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
explicit	show default running config

## Command Mode

- /exec

# show running-config interface defaults

show running-config interface <if0> defaults

## 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
defaults	show default running config

## 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 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 ipqos

show running-config ipqos { active-if-config | all-if-config }

## Syntax Description

show	Show running system information
running-config	Current operating configuration
active-if-config	show running config for active-policies
all-if-config	show running config for all-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 operationg 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 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 ldp

show running-config mpls ldp [ all ]

## Syntax Description

show	Show running system information
running-config	Current operating configuration
mpls	Display MPLS status and configuration
ldp	Label Distribution Protocol
all	(Optional) Display 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	Configure MPLS settings
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 mpls traffic-eng

show running-config mpls traffic-eng [ all ]

## Syntax Description

show	Show running system information
running-config	Current operating configuration
mpls	show running config for mpls features
traffic-eng	show running-config for Traffic Engineering
all	(Optional) show running config 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 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 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 otv

show running-config otv [ all ]

## Syntax Description

show	Show running system information
running-config	Current operationg configuration
otv	Display otv 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 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 res\_mgr

show running-config res\_mgr

## Syntax Description

show	Show running system information
running-config	Current operating configuration
res_mgr	Show resource configuration for VDC

## 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 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 rsvp

show running-config rsvp

## Syntax Description

show	Show running system information
running-config	Current operating configuration
rsvp	Display RSVP status

## 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 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 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 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 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

## 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 vshd





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# show

```
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 bgp)

```
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 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 } [
detail ] } | utilization | { entry tcam <tcam_id> bank <bank_id> index <index> } } [ 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	I4 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
utilization	utilization matrix
ipv6-compression	ipv6 compression
detail	(Optional) detailed information
no-header	(Optional) Do not print header
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

### 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 (sel3)

show

### Syntax Description

show	Show trigger config
------	---------------------

### Command Mode

- /exec/elanms/sel3

# show

show

## Syntax Description

show	Show trigger config
------	---------------------

## Command Mode

- /exec/elanms/sel4

# show

show

## Syntax Description

show	Show trigger config
------	---------------------

## Command Mode

- /exec/elamns/se15



# show

show

## Syntax Description

show	Show trigger config
------	---------------------

## Command Mode

- /exec/elanms/sel6

# show

show

## Syntax Description

show	Show trigger config
------	---------------------

## Command Mode

- /exec/elanms/se17

# show

show

## Syntax Description

show	Show trigger config
------	---------------------

## Command Mode

- /exec/elanms/outse0

# show

show

## Syntax Description

show	Show trigger config
------	---------------------

## Command Mode

- /exec/elamns/outse15

# show

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

```
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

```
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

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ha [ 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
ha	High Availability status

## Command Mode

- /exec



# show

```
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

```
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	(Optional) Developer-only statistics

## Command Mode

- /exec

# show

```
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

```
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

```
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	(Optional) Developer-only statistics

## Command Mode

- /exec

# show

```
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

```
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

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] summary-address [ 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

## Command Mode

- /exec



# show

```
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	(Optional) Display all OSPFv3 routes

## Command Mode

- /exec

# show

```
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

```
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	(Optional) Display all OSPFv3 routes

## Command Mode

- /exec

# show

```
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
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>adv-id</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

```
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>adv-id</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

```
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

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

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

show [ ipv6 ] ospfv3 [ <tag> ] lsa-content-changed-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
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

```
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

```
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

show [ ipv6 ] ospfv3 [ <tag> ] memory

## Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
memory	Memory usage statistics

## Command Mode

- /exec

# show

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] policy statistics { { redistribute
{ bgp <as> | { isis | rip } <tag> | static | direct | amt } } | { area <area-id-ip> filter-list { in | out } } } [ 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
policy	Display Policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
rip	Routing Information Protocol (RIP)
isis	ISO Intermediate-to-Intermediate (IS-IS)
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
static	Static
direct	Directly connected
amt	AMT anycast prefix
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas
in	Filter networks sent to this area
out	Filter networks sent from this area
<i>tag</i>	

## Command Mode

- /exec



# show

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] [ detail ] [ 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
detail	(Optional) Show detailed EIGRP process 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 information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag

## Command Mode

- /exec

# show

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] event [ <start-num> <end-num> ] [ type ] [ 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
event	IP-EIGRP Events
<i>start-num</i>	(Optional) Starting event number
<i>end-num</i>	(Optional) Ending event number
type	(Optional) Show Events being logged

## Command Mode

- /exec

# show

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] sia-statistics [ <peer> ] [ 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
sia-statistics	IP-EIGRP SIA Statistics
<i>peer</i>	(Optional) Peer ID to display information about

## Command Mode

- /exec

# show

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] sia-event [ <start-num> <end-num> ] [ 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
sia-event	IP-EIGRP SIA event
<i>start-num</i>	(Optional) Starting event number
<i>end-num</i>	(Optional) Ending event number

## Command Mode

- /exec

# show

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] timers [ 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
timers	IP-EIGRP Timers

## Command Mode

- /exec

# show

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

```
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

```
show { { ipv6 eigrp [ <eigrp-ptag> ] { topology | route } [ <ipv6-prefix> | active | summary | pending |
zero-successors | detail-links | all-links ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } | { ip eigrp [
<eigrp-ptag> ] { topology | route } [ { <address> <mask> } | <prefix> | active | summary | pending |
zero-successors | detail-links | all-links ] [ 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
topology	IP-EIGRP Topology Table
route	IP-EIGRP internal routes
<i>address</i>	(Optional) Network to display information about
<i>mask</i>	(Optional) Network mask
<i>prefix</i>	(Optional) IP prefix <network>/<length>, e.g., 192.168.0.0/16
active	(Optional) Show only active entries
summary	(Optional) Show a summary of the topology table
pending	(Optional) Show only entries pending transmission
zero-successors	(Optional) Show only zero successor entries
detail-links	(Optional) Show all links in topology table with details
all-links	(Optional) Show all links in topology table
<i>eigrp-ptag</i>	(Optional)

## Command Mode

- /exec



# show

```
show { { ip eigrp [ <eigrp-ptag> ] neighbors [ detail | state ] { [ <interface> ] | { [ <address> ] [ vrf { <vrf-name>
| <vrf-known-name> | all } ] } } } | { ipv6 eigrp [ <eigrp-ptag> ] neighbors [ detail | state ] { [ <interface> ] |
{ [ <ipv6-addr> ] [ 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
neighbors	IP-EIGRP neighbors
detail	(Optional) Show detailed peer information
state	(Optional) Show detailed peer and state information
<i>interface</i>	(Optional) Interface
<i>address</i>	(Optional) IP-EIGRP neighbor address
<i>eigrp-ptag</i>	(Optional)

## Command Mode

- /exec

# show

```
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	(Optional) Show detailed interface information
<i>interface</i>	(Optional) Interface
brief	(Optional) Show summary information only

## Command Mode

- /exec

# show

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] metric <bw> <delay> [ <rel> ] [ <load> ] [ 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
metric	Compute composite metric from vector metric
<i>bw</i>	Bandwidth in Kbits per second
<i>delay</i>	Delay metric
<i>rel</i>	(Optional) Reliability metric where 255 is 100% reliable
<i>load</i>	(Optional) Effective bandwidth metric (Loading) where 255 is 100% loaded

## Command Mode

- /exec

# show

show { ip | ipv6 } eigrp [ <eigrp-ptag> ] internal

## Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
<i>eigrp-ptag</i>	(Optional) Process tag
internal	Commands for internal use

## Command Mode

- /exec

# show

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] internal mem-stats [ no-libs ] [ detail ] [ 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
<i>eigrp-ptag</i>	(Optional) Process tag
internal	Commands for internal use
mem-stats	Show memory allocation statistics
no-libs	(Optional) Exclude libraries
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

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] [ internal ] event-history { errors | msgs | statistics | fsm | packet | rib
| cli }
```

## Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
<i>eigrp-ptag</i>	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Event History of EIGRP
errors	Error log of EIGRP
msgs	Message log of EIGRP
statistics	State and size of the buffers
fsm	FSM log of EIGRP
packet	Packet log of EIGRP
rib	RIB log of EIGRP
cli	EIGRP CLI related events

## Command Mode

- /exec

# show

show { ip | ipv6 } eigrp [ <eigrp-ptag> ] internal syslog rate-limit

## Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
<i>eigrp-ptag</i>	(Optional) Process tag
internal	Commands for internal use
syslog	control syslog message
rate-limit	rate-limiting

## Command Mode

- /exec

# show

```
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

```
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

```
show { ip | ipv6 } lisp version-hash { <eid-prefix> | <eid-prefix6> }
```

## Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
version-hash	Display version-hash for EID-record
<i>eid-prefix</i>	Local IP EID-prefix from database-mapping command

## Command Mode

- /exec

# show

{ show | clear } forwarding internal nve counters { peer { <ipv4> | all } }

## Syntax Description

show	Show running system information
clear	Reset functions
forwarding	Forwarding information
internal	internal information
nve	NVE interface related
all	All peers
counters	Show NVE counters
peer	Show NVE peer counters
<i>ipv4</i>	NVE peer address

## Command Mode

- /exec

# show

```
show [ vdc ] resource internal info [ { resource [ <res-mgr-res-known-name-all> [ vdc <vdc_id> ] ] } ]
```

## Syntax Description

show	Show running system information
vdc	(Optional) Show Virtual Device Contexts
resource	Show resource configuration for VDC
internal	Show internal res_mgr information
info	Show internal data structure information
resource	(Optional) Show resource configuration for VDC
<i>res-mgr-res-known-name-all</i>	(Optional) Resource name
<i>vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>

## Command Mode

- /exec

# show

show [ pending ]

## Syntax Description

show	Display region configurations
pending	(Optional) Display the new mst configuration to be applied

## Command Mode

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

# show

```
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

```
show [ <ip_ipv6_mac> ] access-lists [ <name> ] [ capture session <capture_session> ] [ <expanded> |
<summary> | <private> | <brief> ]
```

## Syntax Description

<code>show</code>	Show running system information
<i>name</i>	(Optional) List name
<i>ip_ipv6_mac</i>	(Optional) IP/IPv6/MAC
<code>capture</code>	(Optional) capture
<code>session</code>	(Optional) session
<i>capture_session</i>	(Optional) session id
<code>access-lists</code>	List access lists
<i>expanded</i>	(Optional) EXPANDED
<i>summary</i>	(Optional) SUMMARY
<i>private</i>	(Optional) PRIVATE
<i>brief</i>	(Optional) BRIEF

## Command Mode

- /exec

# show

```
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

```
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

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

show { ipv6 | ip } rip [ instance <inst> ] memory

## Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
rip	Display RIP status and configuration
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
memory	Display RIP memory usage information

## Command Mode

- /exec

# show

show { ipv6 | ip } rip [ instance <tag> ] internal mem-stats [ all | shared ] [ no-libs ] [ detail ]

## Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>tag</i>	(Optional) Process ID
internal	Commands for internal use
mem-stats	Show memory allocation statistics
all	(Optional) Display private and shared memory details
shared	(Optional) Display shared memory details
no-libs	(Optional) Exclude libraries
detail	(Optional) Display detailed information

## Command Mode

- /exec

# show

show { ipv6 | ip } rip [ instance <tag> ] internal event-history { errors | msgs | database | packet | event | input | output | policy | timer | cli }

## Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
tag	(Optional) Process ID
internal	Commands for internal use
event-history	Show various event logs of RIP
errors	Show error logs of RIP
msgs	Show various message logs of RIP
database	Show database logs of RIP
packet	Show packet logs of RIP
event	Show event logs of RIP
input	Show input logs of RIP
output	Show output logs of RIP
policy	Show policy logs of RIP
timer	Show timer logs of RIP
cli	Show cli logs of RIP

## Command Mode

- /exec

# show

show { ipv6 | ip } rip [ instance <tag> ] internal library-info

## Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>tag</i>	(Optional) Process ID
internal	Commands for internal use
library-info	Show various event logs of library

## Command Mode

- /exec

# show

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

```
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

```
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

```
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

```
show { { ipv6 route } | { routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] } } [ l3vm-info ] [ rpf ] [ <ipv6-addr> | <hostname> | { <ipv6-prefix> [ { longer-prefixes | shorter-prefixes } ] } ] [ { <ipv6-protocol> [ all ] } | { next-hop <next-hop> } | { interface <interface> } | { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary | { [ detail ] [ deleted ] } ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

## Syntax Description

show	Show running system information
route	Display IPv6 routing table
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	(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>hostname</i>	(Optional) Display single route longest match lookup
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
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]
<i>until</i>	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
<i>summary</i>	(Optional) Display route counts
<i>deleted</i>	(Optional) Display delete-pending routes also
<i>detail</i>	(Optional) Display routes in full detail

**Command Mode**

- /exec

# show

```
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 } ] } { rib-install | rib-uninstall | rib-pending } [ 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
rib-install	Routes installed in RIB
rib-uninstall	Routes not installed in RIB
rib-pending	Routes not acknowledged by RIB

## Command Mode

- /exec

# show

```
show { routing | ip route } [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [
topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr> | { <ip-prefix> [ { longer-prefixes | shorter-prefixes
} ] } ] [ { <protocol> [ all ] } | { next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface>
} | { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary | detail ] [ vrf { <vrf-name> |
<vrf-known-name> | <vrf-all> } ]
```

## Syntax Description

show	Show running system information
routing	Display routing 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 >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
<i>protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
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

**Command Mode**

- /exec

# show sampler

show sampler [ name ] [ <samplername> ]

## Syntax Description

show	Show running system information
sampler	Show Sampler Configuration
name	(Optional) Show a specific Sampler
<i>samplername</i>	(Optional) Specify a sampler

## 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 service

show service <servicetype> summary

## Syntax Description

show	Show running system information
service	service
<i>servicetype</i>	Specify Type
summary	summary

## Command Mode

- /exec

# show service nam name

show service nam name <name> state

## Syntax Description

show	Show running system information
service	service
nam	Service type NAM
name	name
<i>name</i>	service name
state	state

## Command Mode

- /exec

# show service nam name traffic

show service nam name <name> traffic

## Syntax Description

show	Show running system information
service	service
nam	Service type NAM
name	name
<i>name</i>	service name
traffic	traffic

## Command Mode

- /exec

# show service name

show service name <name> vlan-groups

## Syntax Description

show	Show running system information
service	service
name	name
<i>name</i>	service name
vlan-groups	vlan groups name

## Command Mode

- /exec



# show service vlan-autostate

show service vlan-autostate

## Syntax Description

show	Show running system information
service	service
vlan-autostate	autostate feature

## 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 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 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 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 mib igmpCacheTable

```
show snmp mib igmpCacheTable [ <igmpCacheAddress-in> ] [ <igmpCacheIfIndex-in> ]
```

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
igmpCacheTable	show mib table igmpCacheTable
<i>igmpCacheAddress-in</i>	(Optional) igmpCacheAddress
<i>igmpCacheIfIndex-in</i>	(Optional) igmpCacheIfIndex

## Command Mode

- /exec

# show snmp mib igmpInterfaceTable

show snmp mib igmpInterfaceTable [ <igmpInterfaceIfIndex-in> ]

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
igmpInterfaceTable	show mib table igmpInterfaceTable
<i>igmpInterfaceIfIndex-in</i>	(Optional) igmpInterfaceIndex

## Command Mode

- /exec

# show snmp mib pimCandidateRPTable

```
show snmp mib pimCandidateRPTable [ <pimCandidateRPGroupAddress-in> ] [ <pimCandidateRPGroupMask-in> ]
```

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimCandidateRPTable	show mib table pimCandidateRPTable
<i>pimCandidateRPGroupAddress-in</i>	(Optional) pimCandidateRPGroupAddress
<i>pimCandidateRPGroupMask-in</i>	(Optional) pimCandidateRPGroupMask

## Command Mode

- /exec

# show snmp mib pimComponentTable

show snmp mib pimComponentTable [ <pimComponentIndex-in> ]

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimComponentTable	show mib table pimComponentTable
<i>pimComponentIndex-in</i>	(Optional) pimComponentIndex

## Command Mode

- /exec

# show snmp mib pimInterfaceTable

show snmp mib pimInterfaceTable [ <pimInterfaceIfIndex-in> ]

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimInterfaceTable	show mib table pimInterfaceTable
<i>pimInterfaceIfIndex-in</i>	(Optional) pimInterfaceIndex

## Command Mode

- /exec

# show snmp mib pimIpMRouteNextHopTable

```
show snmp mib pimIpMRouteNextHopTable [ <ipMRouteNextHopGroup-in> <ipMRouteNextHopSource-in>
<ipMRouteNextHopSourceMask-in> <ipMRouteNextHopIfIndex-in> <ipMRouteNextHopAddress-in> ]
```

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimIpMRouteNextHopTable	show mib table pimIpMRouteNextHopTable
<i>ipMRouteNextHopGroup-in</i>	(Optional) ipMRouteNextHopGroup
<i>ipMRouteNextHopSource-in</i>	(Optional) ipMRouteNextHopSource
<i>ipMRouteNextHopSourceMask-in</i>	(Optional) ipMRouteNextHopSourceMask
<i>ipMRouteNextHopIfIndex-in</i>	(Optional) ipMRouteNextHopIfIndex
<i>ipMRouteNextHopAddress-in</i>	(Optional) ipMRouteNextHopAddress

## Command Mode

- /exec

# show snmp mib pimIpMRouteTable

```
show snmp mib pimIpMRouteTable [ <ipMRouteGroup-in> ] [ <ipMRouteSource-in> ] [
<ipMRouteSourceMask-in> ]
```

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimIpMRouteTable	show mib table pimIpMRouteTable
<i>ipMRouteGroup-in</i>	(Optional) ipMRouteGroup
<i>ipMRouteSource-in</i>	(Optional) ipMRouteSource
<i>ipMRouteSourceMask-in</i>	(Optional) ipMRouteSourceMask

## Command Mode

- /exec

# show snmp mib pimJoinPruneInterval

show snmp mib pimJoinPruneInterval

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimJoinPruneInterval	show mib scalar pimJoinPruneInterval

## Command Mode

- /exec



# show snmp mib pimNeighborTable

show snmp mib pimNeighborTable [ <pimNeighborAddress-in> ]

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimNeighborTable	show mib table pimNeighborTable
<i>pimNeighborAddress-in</i>	(Optional) pimNeighborAddress

## Command Mode

- /exec

# show snmp mib pimRPSetTable

```
show snmp mib pimRPSetTable [ <pimRPSetComponent-in> ] [ <pimRPSetGroupAddress-in> ] [
<pimRPSetGroupMask-in> ] [ <pimRPSetAddress-in> ]
```

## Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimRPSetTable	show mib table pimRPSetTable
<i>pimRPSetComponent-in</i>	(Optional) pimRPSetComponent
<i>pimRPSetGroupAddress-in</i>	(Optional) pimRPSetGroupAddress
<i>pimRPSetGroupMask-in</i>	(Optional) pimRPSetGroupMask
<i>pimRPSetAddress-in</i>	(Optional) pimRPSetAddress

## Command Mode

- /exec

# show snmp pss

show snmp pss

## Syntax Description

show	Show running system information
snmp	show snmp information
pss	show SNMP pss

## Command Mode

- /exec

# show snmp roleddebug

show snmp roleddebug

## Syntax Description

show	Show running system information
snmp	show snmp information
roleddebug	show SNMP roleddebug

## 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 snmpv3stats

show snmp snmpv3stats

## Syntax Description

show	Show running system information
snmp	show snmp information
snmpv3stats	show SNMP snmpdebug

## 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 buffers

```
show sockets buffers [ { [ all <count> ] [ free <count> ] } ]
```

## Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
buffers	Display detailed buffer statistics
all	(Optional) Dump buffers from ALL list
free	(Optional) Dump buffers from FREE list
<i>count</i>	(Optional) Number of buffers to dump

## 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	(Optional) Display md5 key specific details

## Command Mode

- /exec

# show sockets keychain-dump

show sockets keychain-dump

## Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
keychain-dump	Dump the pss information for keychains

## 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 performance

show sockets performance [ clear ]

## Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
performance	Display detailed perf statistics
clear	(Optional) Clear perf statistics

## Command Mode

- /exec

# show sockets secure-lxc

show sockets secure-lxc

## Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
secure-lxc	Display secure-container sockets information

## 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 regarding RPM

## 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

## 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>	

## Command Mode

- /exec

# show spanning-tree (vlan)

show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] { <verbosity> | active } +

## 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 bridge-domain

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] blockedports }
```

## 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
blockedports	Show blocked ports

## Command Mode

- /exec

## show spanning-tree inconsistentports

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] inconsistentports }
```

### 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
inconsistentports	Show inconsistent ports

### Command Mode

- /exec

## show spanning-tree (vlan)

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] bridge [ priority [ system-id ] ] } | { show
spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] bridge [ { detail | brief } ] } | { show spanning-tree
[ vlan <vlan-id> | bridge-domain <bd-id> ] bridge [ { address | forward-time | hello-time | id | max-age |
protocol } ] }
```

### 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 interface

```
show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] interface <interface-id> { <verbosity> | active } +
```

## 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> | bridge-domain <bd-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
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>	
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 root

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] root [ priority [ system-id ] ] } | { show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] root [ { address | cost | forward-time | hello-time | id | max-age | port } ] } | { show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] root [ { detail | brief } ] }
```

### 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 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

## Command Mode

- /exec

# show spanning-tree mst

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

## Command Mode

- /exec

# show spanning-tree mst

show spanning-tree mst [ <mst-id> ] detail

## 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

show spanning-tree mst [ <mst-id> ] interface <interface-id> detail

## 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
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	Specify an interface as a target for the command

## 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 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 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 { xbar <santa-cruz-range> <i2> }
```

## Syntax Description

show	Show running system information
sprom	show SPROM contents
xbar	show xbar fabric sprom contents
<i>santa-cruz-range</i>	please enter the xbar number
<i>i2</i>	please enter sprom instance number

## Command Mode

- /exec

# show ssh key

show ssh key [ { dsa | rsa } ]

## 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

## 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 startup-config

show startup-config

## Syntax Description

show	Show running system information
startup-config	Current startup configuration

## Command Mode

- /exec



# show startup-config

```
show startup-config { log | mdp-log } [ bootstrap ]
```

## Syntax Description

show	Show running system information
startup-config	Current startup configuration
mdp-log	Displays execution log of last used mdp ascii startup configuration
log	Displays execution log of last used ascii startup configuration
bootstrap	(Optional) Bootstrap config replay execution log

## Command Mode

- /exec

# show startup-config

show startup-config { include-switch-profile }

## Syntax Description

show	Show running system information
startup-config	System startup configuration
include-switch-profile	Show startup and switch-profile configuration

## 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 amt

show startup-config amt [ all ]

## Syntax Description

show	Show running system information
startup-config	Current startup configuration
amt	Display amt information
all	(Optional) Display running config with defaults clis

## 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 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 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 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 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 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 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 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 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 ldp

```
show startup-config mpls ldp [ all ]
```

## Syntax Description

show	Show running system information
startup-config	Current operating configuration
mpls	Display MPLS status and configuration
ldp	Label Distribution Protocol
all	(Optional) Display running-config with defaults

## 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	Configure MPLS settings
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 mpls traffic-eng

show startup-config mpls traffic-eng [ all ]

## Syntax Description

show	Show running system information
startup-config	Current startup configuration
mpls	show startup config for mpls features
traffic-eng	show startup-config for Traffic Engineering
all	(Optional) show startup config 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 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 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 otv

show startup-config otv [ all ]

## Syntax Description

show	Show running system information
startup-config	Current startup configuration
otv	Display otv 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 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

startup-config	Current startup configuration
ptp	show startup config for ptp
all	(Optional) show running config 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 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 rsvp

show startup-config rsvp

## Syntax Description

show	Show running system information
startup-config	Current startup configuration
rsvp	Display RSVP status

## 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 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

startup-config	Current startup configuration
sflow	show startup config for sflow
all	(Optional) show running config with defaults

## 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 tacacs

show startup-config tacacs +

## Syntax Description

show	show startup-cfg
startup-config	show startup system information

## 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 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 <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 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 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 running system information
startup-config	Current operating configuration
vrrpv3	Show running config for VRRPv3
all	(Optional) show startup config 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 switch-scope controller l2-vxlan

show switch-scope controller l2-vxlan

## Syntax Description

show	Show running system information
switch-scope	switch-scope
controller	Controller command
l2-vxlan	l2-vxlan

## 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

show system [ internal ] clis event-history { nvdb | client | errors | parser | ha | cli | objstr | objstr-errors }

## Syntax Description

show	Display output
system	System-related show commands
internal	(Optional) Commands for internal use
clis	cli server
event-history	Event history logs for clis
nvdb	Log of NVDB and PSS events
client	Log of client interaction events
errors	Log of errors
parser	Log of parser events
ha	Log of ha events
cli	Log of command events
objstr	Log of Object Store events
objstr-errors	Log of Object Store error events

## 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 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 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 inband queuing

show system inband queuing { status | statistics }

## Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
status	Selective Packet Discard Information
statistics	Inband statistics

## Command Mode

- /exec



# show system kgdb

show system kgdb

## Syntax Description

show	Show running system information
system	System-related show commands
kgdb	Displays state of kgdb_enable flag

## Command Mode

- /exec

# show system memory-thresholds

show system memory-thresholds

## Syntax Description

show	Show running system information
system	System management commands
memory-thresholds	Set memory thresholds on the card

## 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 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

## 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

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 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

show system resources <i0>

## Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
<i>i0</i>	time interval in seconds

## Command Mode

- /exec

# show system resources

show system resources [ *<i0>* ] module all

## Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
<i>i0</i>	(Optional) time interval in seconds
module	Show system resources for specified module
all	Show system resources for all modules

## Command Mode

- /exec

# show system resources

show system resources [ *<i0>* ] module *<module>*

## Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
<i>i0</i>	(Optional) time interval in seconds
module	Show system resources for specified module
<i>module</i>	module number

## Command Mode

- /exec

# show system srg

show system srg

## Syntax Description

show	Show running system information
system	System-related show commands
srg	Displays the system SRG

## 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 switchover impact

```
show system switchover impact [ <uri0> [ <uri1> ] ]
```

## Syntax Description

show	Show running system information
system	System-related show commands
switchover	Show the software switchover impact between two images
impact	impact {standby_system_uri} {active_system_uri}
<i>uri0</i>	(Optional) Enter standby URI
<i>uri1</i>	(Optional) Enter active URI

## 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

```
show system verify bios { flash <i0> [ module <module> ] | protection <i1> [ module1 <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
module1	(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 [ <imap-name> | <default-imap-enum-name> ]

## Syntax Description

show	Show running system information
table-map	Table maps
<i>imap-name</i>	(Optional) Show a particular table map
<i>default-imap-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 (host0)

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
s0	(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 ]

## 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	(Optional) Do not check for standby being present

## 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 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	Configure aclqos debug

## 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-binary

show tech-support all-binary

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all-binary	Dump tech support for all applications in binary

## Command Mode

- /exec

# show tech-support all

show tech-support all

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all	Gather detailed information for troubleshooting

## 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 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 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 ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bgp	Display BGP status and configuration
brief	(Optional) Brief 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 ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
clis	Gather information for CLI Server troubleshooting
brief	(Optional) Detailed information

## 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 cts

show tech-support cts

## Syntax Description

tech-support	Gather information for troubleshooting
cts	Gather information for cts troubleshooting

## Command Mode

- /exec

# show tech-support details

show tech-support details [ space-optimized ]

## 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

## 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

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dme	Gather detailed information for dme troubleshooting

## 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 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 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 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 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 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 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 commands

## 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 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 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 ip

show tech-support ip [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
brief	(Optional) Brief 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 ip rsvp

show tech-support ip rsvp [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Configure IP features
rsvp	RSVP 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 ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPV6 information
brief	(Optional) Brief 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 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 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	(Optional) Slot number
<i>module</i>	(Optional) Module Number

## Command Mode

- /exec

# show tech-support l2fm l2dbg

show tech-support l2fm l2dbg

## 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)

## 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 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 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 ldp

show tech-support mpls ldp [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	Display MPLS status and configuration
ldp	Display LDP configuration and status for troubleshooting
brief	(Optional) Brief 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 traffic-eng

show tech-support mpls traffic-eng [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
mpls	Display MPLS status and configuration
traffic-eng	Traffic engineering information
brief	(Optional) Brief information

## 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 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 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 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 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 onep

show tech-support onep

## Syntax Description

show	Show running system information
tech-support	Diagnostic information for technical support
onep	One Platform

## 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

show tech-support otv [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
otv	Display OTV information
brief	(Optional) Brief OTV 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	(Optional) Do not check for standby being present

## 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 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

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 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-profile

show tech-support port-profile

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-profile	Gather information for troubleshooting port-profiles

## 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 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 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 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 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 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 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 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 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 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 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 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 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 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

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
usd-all	Gather detailed information for LC USD troubleshooting

## 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 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 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 for PD VxLAN component
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 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 time-range

show time-range [ <name> ]

## Syntax Description

show	Show running system information
time-range	Define time range entries
<i>name</i>	(Optional) Time range name

## 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 ] }

## Syntax Description

show	Negate a command or set its defaults
track	Tracking information
<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

show track { [ <object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list threshold weight | list threshold percentage ] } brief

## Syntax Description

show	Negate a command or set its defaults
track	Tracking information
<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 tunnel iftable

show tunnel iftable [ <ifindex-in> ]

## Syntax Description

show	Show running system information
tunnel	Show information about Tunnel
iftable	Show tunnel interface table
<i>ifindex-in</i>	(Optional) Tunnel ifindex

## Command Mode

- /exec

# show tunnel inetconfigtable

```
show tunnel inetconfigtable [ <tunnelInetConfigAddressType-in> [ [ <tunnelInetConfigLocalAddress-in> [
<tunnelInetConfigRemoteAddress-in> [ <tunnelInetConfigEncapsMethod-in> [ <tunnelInetConfigID-in> ]
]]]]]
```

## Syntax Description

show	Show running system information
tunnel	Show information about Tunnel
inetconfigtable	Show inet config table
<i>tunnelInetConfigAddressType-in</i>	(Optional) Address Type
<i>tunnelInetConfigLocalAddress-in</i>	(Optional) Local IP Address
<i>tunnelInetConfigRemoteAddress-in</i>	(Optional) Remote IP Address
<i>tunnelInetConfigEncapsMethod-in</i>	(Optional) Encapsulation Method
<i>tunnelInetConfigID-in</i>	(Optional) Configuration ID

## Command Mode

- /exec

**show tunnel inetconfigtable**





## U Show Commands

---

- [show uddl](#), on page 1590
- [show uddl global](#), on page 1591
- [show uddl neighbors](#), on page 1592
- [show ulib process](#), on page 1593
- [show user-account](#), on page 1594
- [show username](#), on page 1595
- [show userpassphrase](#), on page 1596
- [show users](#), on page 1597

# 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 ulib process

show ulib process

## Syntax Description

show	Show running system information
ulib	Display ULIB status and configuration
process	ULIB Process information

## Command Mode

- /exec

# show user-account

show user-account [ <s0> ]

## Syntax Description

show	Show running system information
user-account	Show user information
<i>s0</i>	(Optional) User name

## Command Mode

- /exec

# show username

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 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 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 version compatibility](#), on page 1602
- [show version image](#), on page 1603
- [show version module](#), on page 1604
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# show version

show version

## Syntax Description

show	
version	Show the software version

## Command Mode

- /exec

# show version compatibility

show version compatibility <uri0>

## Syntax Description

show	Show running system information
version	Show the software version
compatibility	Show the software compatibility matrix with given image
<i>uri0</i>	Enter URI

## 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

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	(Optional) Detailed information
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 [ 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 mib private-vlan type

show vlan [ id <vlan-id> ] mib 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
mib	mib

## Command Mode

- /exec

# show vlan private-vlan mapping

show vlan [ id <vlan-id> ] private-vlan mapping [ next <data> ]

## 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
mapping	private-vlan mapping
next	(Optional) next-entry
<i>data</i>	(Optional) ignore junk value

## Command Mode

- /exec

# show vlan access-list

show vlan access-list <name> [ <inp\_seqno> ]

## Syntax Description

show	Show running system information
vlan	Vlan commands
access-list	Vlan access list
<i>name</i>	List name
<i>inp_seqno</i>	(Optional) Sequence number

## Command Mode

- /exec

# show vlan access-map

show vlan access-map [ <name> ]

## Syntax Description

show	Show running system information
vlan	Vlan commands
access-map	List VLAN access maps
<i>name</i>	(Optional) List name

## 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 filter

show vlan filter [ access-map <name> | vlan <vlan> ]

## Syntax Description

show	Show running system information
vlan	Vlan commands
filter	Information about VLAN filters
access-map	(Optional) Show the VLANs where an access-map is applied
<i>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> 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 id

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 private-vlan interface

show vlan private-vlan interface [ <if> ] host [ next <data> ]

## Syntax Description

show	Show running system information
vlan	VLAN status
private-vlan	Private VLAN information
interface	Show interface status and information
<i>if</i>	(Optional) Interface id
host	private-vlan host
next	(Optional) next-entry
<i>data</i>	(Optional) ignore junk value

## Command Mode

- /exec

# show vlan private-vlan interface mapping

show vlan private-vlan interface [ <if> ] mapping

## Syntax Description

show	Show running system information
vlan	VLAN status
private-vlan	Private VLAN information
interface	Show interface status and information
<i>if</i>	(Optional) Interface id
mapping	private-vlan mapping

## Command Mode

- /exec

# show vlan private-vlan interface mode

show vlan private-vlan interface [ <if> ] mode [ next <data> ]

## Syntax Description

show	Show running system information
vlan	VLAN status
private-vlan	Private VLAN information
interface	Show interface status and information
<i>if</i>	(Optional) Interface id
mode	private-vlan port mode
next	(Optional) next-entry
<i>data</i>	(Optional) ignore junk value

## Command Mode

- /exec

# show vlan private-vlan interface trunk

show vlan private-vlan interface [ <if> ] trunk

## Syntax Description

show	Show running system information
vlan	VLAN status
private-vlan	Private VLAN information
interface	Show interface status and information
<i>if</i>	(Optional) Interface id
trunk	pvlan trunk

## 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

show	Show running system information
vmtracker	Show vmtracker info
connection	(Optional) Show vmtracker configured connections
<i>conn_name</i>	(Optional) Show vmtracker Connection name
info	Display vmtracker information
interface	(Optional) Display vmtracker interface information
<i>intf_id</i>	(Optional) Interface name to display
summary	Display a summary of vmtracker information
detail	Display vmtracker information details
host	Display vmtracker host information
vm	Display vmtracker related Virtual Machine information
port-group	Display vmtracker related port-group information
vxlan-segment	Print all segment info
vxlan-vms	Print all vm info
event-history	Display vmtracker related event-history

## Command Mode

- /exec

# show vmtracker

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 vmtracker certificate

show vmtracker certificate

## Syntax Description

show	Show running system information
vmtracker	VMTRACKER commands
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 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 | interface <if> | vpc <vpc-num> }

## Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
global	Global Parameters
<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

## Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
vlans	vlans

## 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

```
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 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 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	(Optional) Specify ordering
id	(Optional) Order by ID
detail	(Optional) Display VRF detail information
passive	(Optional) Display passive VRF information

## 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 vrf topology

show vrf topology [ order id ] [ detail ]

## Syntax Description

show	Show running system information
vrf	Configure VRF parameters
topology	Display topology information
order	(Optional) Specify ordering
id	(Optional) Order by ID
detail	(Optional) Display topology detail information

## 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 pathway address

show vrrs pathway [ <intf> ] address

## Syntax Description

vrrs	VRRS Show commands
show	Show running system information
pathway	Information about VRRS pathways
<i>intf</i>	(Optional) Interface
address	Internal information about pathway addresses

## 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





## W Show Commands

---

- [show wred-queue qos-group-map](#), on page 1652
- [show wrr unicast-bandwidth](#), on page 1653

# 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 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 wrr unicast-bandwidth



## X Show Commands

---

- [show xml server logging configuration, on page 1656](#)
- [show xml server status, on page 1657](#)

# 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

show xml server status



# APPENDIX **A**

## XML Support

- [XML Support for Show Commands, on page 1659](#)

### XML Support for Show Commands

Show Commands	XML Support
show aaa accounting	Yes
show aaa authentication	Yes
show aaa authentication login ascii-authentication	Yes
show aaa authentication login error-enable	Yes
show aaa authentication login password-aging	Yes
show aaa authentication login { mschap   mschapv2   chap }	Yes
show aaa authorization [ all ]	Yes
show aaa groups	Yes
show aaa local user blocked	No
show aaa user default-role	Yes
show access-lists	Yes
show accounting log [ { <i0>   start-time <SYYYY> <SMonth> <SDate> <STime> [ end-time <EYYYY> <EMonth> <EDate> <ETime> ] } ]	Yes
show accounting log all	Yes
show accounting log last-index	Yes
show accounting log nvram [ { <i0>   start-time <SYYYY> <SMonth> <SDate> <STime> [ end-time <EYYYY> <EMonth> <EDate> <ETime> ] } ]	Yes
show accounting log nvram last-index	Yes

show accounting log nvram start-seqnum <SSEQNUM> [ end-seqnum <ESEQNUM> ]	Yes
show accounting log start-seqnum <SSEQNUM> [ end-seqnum <ESEQNUM> ]	Yes
show acl status	Yes
show arp access-lists [ <name> ] [ ] [ capture session <session-id> ]	Yes
show background	No
show banner motd	Yes
show bash-shell	Yes
show bgp paths	Yes
show [ ip ] bgp peer-template [ <peer-template-name> ]	Yes
show [ ip ] bgp { peer-session [ <session-template-name> ]   peer-policy [ <policy-template-name> ] }	Yes
show bgp [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] convergence [ detail ] [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	Yes
show bgp [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] convergence private [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	No
show bgp [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] process [ detail ] [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	Yes
show bgp [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] sessions [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	Yes
show bgp [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] { { ip   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 } ]	Yes



<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast } policy statistics { { redistribute [ { { eigrp   isis   ospf   rip } &lt;tag&gt; }   static   direct   amt   lisp   hmm ] }   { neighbor &lt;neighbor-id&gt; [ default-originate   { route-map   filter-list   prefix-list } { in   out } ] }   { dampening }   { network { &lt;ip-addr&gt; mask &lt;ip-mask&gt;   &lt;ip-prefix&gt; } }   aggregate-address { &lt;ip-addr&gt; &lt;ip-mask&gt;   &lt;ip-prefix&gt; } { suppress-map   advertise-map } } }   vpv4 unicast policy statistics { neighbor &lt;neighbor-id&gt; [ { route-map   filter-list   prefix-list } { in   out } ] }   ipv6 { unicast   multicast } policy statistics { { redistribute [ { { eigrp   isis   ospfv3   rip } &lt;tag&gt; }   static   direct   amt   lisp   hmm ] }   { neighbor { &lt;neighbor-id&gt;   &lt;ipv6-neighbor-id&gt; } [ default-originate   { route-map   filter-list   prefix-list } { in   out } ] }   { dampening }   { network &lt;ipv6-prefix&gt; }   { aggregate-address &lt;ipv6-prefix&gt; { suppress-map   advertise-map } } } } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } default-info [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } neighbors { &lt;neighbor-id&gt;   &lt;ipv6-neighbor-id&gt; } flap-statistics [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } regexp &lt;regexp-str&gt; [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } self-originated [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } summary</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } { rib-install   rib-uninstall   rib-pending } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   ipv4 mdt [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpv4 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpv6 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 labeled-unicast   link-state   l2vpn vpls [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   l2vpn evpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 labeled-unicast   all } community { &lt;regexp-str&gt;   { { &lt;comm-id&gt;   &lt;wellknown-id&gt; } } + [ exact-match ] } } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes

<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   ipv4 mdt [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpnv4 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpnv6 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 labeled-unicast   link-state   l2vpn vpls [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   l2vpn evpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 labeled-unicast   all } dampening flap-statistics [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   ipv4 mdt [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpnv4 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpnv6 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 labeled-unicast   link-state   l2vpn vpls [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   l2vpn evpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 labeled-unicast   all } dampening parameters [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   ipv4 mdt [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpnv4 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpnv6 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 labeled-unicast   link-state   l2vpn vpls [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   l2vpn evpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 labeled-unicast   all } dampening { dampened-paths [ regexp &lt;regexp-str&gt; ]   history-paths [ regexp &lt;regexp-str&gt; ] } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   ipv4 mdt [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpnv4 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpnv6 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 labeled-unicast   link-state   l2vpn vpls [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   l2vpn evpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 labeled-unicast   all } extcommunity { &lt;regexp-str&gt;   { { 4byteas-generic { transitive &lt;ext-comm-gen-trans&gt;   non-transitive &lt;ext-comm-gen-nontrans&gt; } } + [ exact-match ] } } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes

<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   ipv4 mdt [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpv4 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpv6 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 labeled-unicast   link-state   l2vpn vpls [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   l2vpn evpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 labeled-unicast   all } received-paths [ private ] [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   ipv4 mdt [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpv4 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpv6 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 labeled-unicast   link-state   l2vpn vpls [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   l2vpn evpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 labeled-unicast   all } { route-map { &lt;rmap-name&gt;   &lt;rmap-name&gt; }   filter-list { &lt;fltrlist-name&gt;   &lt;test_pol_name&gt; }   { community-list { &lt;commlist-name&gt;   &lt;test_pol_name&gt; }   extcommunity-list { &lt;extcommlist-name&gt;   &lt;test_pol_name&gt; } } [ exact-match ] } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast } } prefix-list { &lt;prfxlist-name&gt;   &lt;test_pol_name&gt; } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { { ip   ipv4 } { unicast   multicast }   ipv4 mdt [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   vpv4 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   link-state   l2vpn vpls [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   l2vpn evpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 labeled-unicast } nexthop &lt;ipnexthop&gt;   { ipv6 { unicast   multicast }   vpv6 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 labeled-unicast   ipv6 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ] } nexthop &lt;ipv6nexthop&gt; } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes

<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { { ip   ipv4 } { unicast   multicast }   vpnv4 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv4 labeled-unicast [ &lt;ip-addr&gt; [ &lt;ip-mask&gt; [ longer-prefixes ] ]   &lt;ip-prefix&gt; [ longer-prefixes ]   labels   exported   imported ] } { ipv6 { unicast   multicast }   vpnv6 unicast [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ]   ipv6 labeled-unicast [ &lt;ipv6-prefix&gt; [ longer-prefixes ]   labels   exported   imported ] } { ipv4 mdt [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ] } [ &lt;ip-addr&gt; [ &lt;ip-mask&gt; ]   &lt;ip-prefix&gt;   labels   mdt-group &lt;mdt-group&gt; ] } { ipv4   ipv6 } unicast [ injected-routes ]   link-state [ route-type &lt;rt-type&gt;   &lt;ipv4-rt&gt;   &lt;ipv6-rt&gt; ]   l2vpn vpls [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ] [ &lt;ip-addr&gt; [ &lt;ip-mask&gt; ]   &lt;ip-prefix&gt; ] } { ve-id &lt;ve-id&gt; block-offset &lt;ve-bs&gt; } ] ]   ipv4 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ] [ join &lt;v4src-addr&gt; &lt;v4grp-addr&gt; &lt;src-asn&gt;   rp &lt;v4src-addr&gt; &lt;grp-v4prefix&gt; &lt;pe-addr&gt; &lt;rp-flags&gt; &lt;rp-priority&gt; &lt;hashlen&gt;   sa &lt;grp-v4prefix&gt; ] ]   ipv6 mvpn [ rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ] [ join &lt;v6src-addr&gt; &lt;v6grp-addr&gt; &lt;src-asn&gt;   rp &lt;v6src-addr&gt; &lt;grp-v6prefix&gt; &lt;pe-addr&gt; &lt;rp-flags&gt; &lt;rp-priority&gt; &lt;hashlen&gt;   sa &lt;grp-v6prefix&gt; ] ]   l2vpn evpn [ route-type &lt;rtype&gt;   rd { "&lt;ext-comm-rd-aa2nn4&gt;"   &lt;ext-comm-rd-aa4nn2&gt; } ] [ route-type &lt;rtype&gt;   &lt;ipv4-rt&gt;   &lt;ipv6-rt&gt;   &lt;mac-address&gt; ]   vni-id &lt;vni_id&gt; [ route-type &lt;rtype&gt; ]   &lt;ipv4-rt&gt;   &lt;ipv6-rt&gt;   &lt;mac-address&gt; ]   all } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { { { ip   ipv4 } { unicast   multicast }   vpnv4 unicast   ipv4 mdt   link-state   l2vpn vpls   l2vpn evpn   ipv4 mvpn } nexthop-database [ &lt;ipnexthop&gt; ] } } { { ipv6 { unicast   multicast }   vpnv6 unicast   ipv6 mvpn } nexthop-database [ &lt;ipv6nexthop&gt; ] } }   { all nexthop-database } } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp l3vpn [ detail ] [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	Yes
<pre>show bgp private [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { all_private   session   ipc   rnh   lists   rpm-info [ route-map &lt;rpm-name&gt; { &lt;ip-prefix&gt;   &lt;ipv6-prefix&gt; } ]   attr [ { &lt;ip-prefix&gt; } ]   rpm-attribute-cache   rpm-comm-attr-cache   virtual [ summary ] } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show bgp private [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } damp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show bgp private attr [ remote-nh ] [ [ [ ipv4 { unicast   multicast } &lt;ip-prefix&gt; ]   [ ipv6 { unicast   multicast } &lt;ipv6-prefix&gt; ] ] [ detail ] ]</pre>	No
<pre>show bgp statistics</pre>	Yes

show bgp { { [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } }   vpv4 unicast   vpv6 unicast   ipv6 labeled-unicast   l2vpn evpn   ipv4 labeled-unicast } neighbors { <neighbor-id>   <ipv6-neighbor-id> } paths [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] }	Yes
show bgp { { [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } }   vpv4 unicast   vpv6 unicast   ipv6 labeled-unicast   l2vpn evpn   ipv4 labeled-unicast } neighbors { <neighbor-id>   <ipv6-neighbor-id> } { routes [ advertised   received   dampened ]   advertised-routes   received-routes } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] }	Yes
show bgp { { [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } }   vpv4 unicast   vpv6 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> } ] [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] }	Yes
show bgp { { [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] { { ip   ipv4 } { unicast   multicast }   ipv6 { unicast   multicast }   all } }   vpv4 unicast   vpv6 unicast   l2vpn evpn } neighbors { <neighbor-id>   <ipv6-neighbor-id> } commands [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] }	Yes
show bgp { { ip   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 } ] }	Yes
show boot	Yes
show boot auto-copy	Yes
show boot auto-copy list	Yes
show boot current	Yes
show boot module [ [ <module> ] [ <s0> ] [ ] ]	Yes
show boot order	Yes
show boot sup-1	Yes
show boot sup-2	Yes
show boot timings	No
show boot variables	Yes
show bootmode [ module <module> ]	Yes
show buffers ip [ { [ all <count> ] [ free <count> ] } ] }	No

show callhome	Yes
show callhome destination-profile	Yes
show callhome destination-profile profile <s0>	Yes
show callhome destination-profile profile CiscoTAC-1	Yes
show callhome destination-profile profile full-txt-destination	Yes
show callhome destination-profile profile short-txt-destination	Yes
show callhome transport	Yes
show callhome transport-email	Yes
show callhome user-def-cmds	No
show cdp global	Yes
show cdp neighbors [ interface <if> ]	Yes
show cdp neighbors [ interface <if> ] detail	Yes
show cdp traffic interface2 <if2>	Yes
show cdp { all   interface <if0> }	Yes
show cdp { entry { all1   name <s0> } }	Yes
show cfs application [ { name <cfs-dyn-app-name>   sap <i0> } ]	Yes
show cfs lock [ { name <cfs-dyn-app-name>   sap <i1> } ]	Yes
show cfs merge status [ { name <cfs-dyn-app-name> [ detail ]   sap <i1> [ detail2 ] } ]	Yes
show cfs peers [ { name <cfs-dyn-app-name>   sap <i1> } ]	Yes
show cfs regions [ { brief [ region <i0> ]   name <cfs-dyn-app-name>   region1 <i1> } ]	Yes
show cfs remote-app vsan <i0> domain <i1>	No
show cfs remote-switches vsan <i0>	Yes
show cfs static peers	No
show cfs status	Yes
show checkpoint <checkpoint_name> [ all ]	Yes
show checkpoint [ all ] [ user   system ]	Yes
show checkpoint summary [ user   system ]	Yes

show class-map [ { [ type qos ] [ <cname>   xxx <color-map-enum-name> ] }   { type queuing [ yyy <cname>   zzz <default-cmap-enum-name>   <cmap-dce-name>   <cmap-name-hque> ] } ]	Yes
show class-map type control-plane [ <cname> ]	Yes
show class-map type network-qos [ <cname-nq> ]	Yes
show class-map type psp { [ <cname-plc> [ client <clienttype> <clientID> ] [ cfg-mode <cfgmode> ] ] [ handle <ppf_id> ] }	Yes
show cli alias [ name <s0> ]	No
show cli dynamic integers [ <name> ]	Yes
show cli dynamic strings [ <name> ]	Yes
show cli history [ this-mode-only   exec-mode   config-mode ] [ <count>   unformatted ] +	No
show cli interface table	No
show cli list [ detail   recurse   <component>   <max-per-cmd> ] +	No
show cli registry [ ctags   tags   modes   session   inherit ]	No
show cli syntax [ long   recurse   has-xml-out   has-no-xml-out   is-data-modeled ] + [ roles [ network-admin   network-operator   <roles-mask> ] ] [ has-xml-out   has-no-xml-out ]	No
show cli variables	No
show clock [ detail ]	Yes
show clock utc	No
show config-profile [ name <all_conf_profile_name> ]	Yes
show config-profile applied manually	Yes
show configuration session	Yes
show configuration session <s3>	Yes
show configuration session <s3> vsh	Yes
show configuration session global-info	Yes
show configuration session status [ <s3> ]	Yes
show configuration session summary	Yes
show consistency-checker copp	No
show consistency-checker fex-interfaces fex <id>	No

show consistency-checker forwarding [ ip   ipv4 ] [ unicast ] [ vrf { <vrf-name>   all_vrfs } ] [ module { <module>   all_modules } ]   show forwarding [ ip   ipv4 ] [ unicast ] inconsistency [ vrf { <vrf-name>   all_vrfs } ] [ module { <module>   all_modules } ]	Yes
show consistency-checker forwarding ipv6 [ unicast ] [ vrf { <vrf-name>   all_vrfs } ] [ module { <module>   all_modules } ]   show forwarding ipv6 [ unicast ] inconsistency [ vrf { <vrf-name>   all_vrfs } ] [ module { <module>   all_modules } ]	Yes
show consistency-checker forwarding recover	No
show consistency-checker l2-tahoe module <module>	No
show consistency-checker l2-tahoe switchport interface <if_name>	No
show consistency-checker l3-interface module <moduleid>	No
show consistency-checker link-state module <module>	No
show consistency-checker membership port-channels [ interface <ch-id> ]	No
show consistency-checker membership vlan <vlanid> [ private-vlan ]	No
show consistency-checker nxapi interface	No
show consistency-checker pacl module <module>	No
show consistency-checker pacl port-channels [ interface <ch-id> ]	No
show consistency-checker racl module <module>	No
show consistency-checker racl port-channels [ interface <ch-id> ]	No
show consistency-checker stp-state vlan <vlan>	No
show consistency-checker vacl	No
show consistency-checker vxlan bgp	No
show consistency-checker vxlan interface { <int-id>   <ch-id> }	No
show consistency-checker vxlan peers	No
show consistency-checker vxlan vlan <vlanid>	No
show copp diff profile <profile_type> [ prior-ver ] profile2 <profile_type2>	No
show copp profile { strict   moderate   lenient   dense }	Yes
show copp status	Yes
show copyright	Yes
show cores [ vdc-all   { vdc [ <e-vdc2>   <vdc-id> } ] ]	Yes
show crypto ca certificates	Yes



show crypto ca certificates <s0>	Yes
show crypto ca certstore	Yes
show crypto ca crl <s0>	Yes
show crypto ca remote-certstore	Yes
show crypto ca trustpoints	Yes
show crypto certificatemap	Yes
show crypto key mypubkey rsa	Yes
show crypto ssh-auth-map	Yes
show debug	No
show debug aaa	No
show debug acllog	No
show debug acllog bypass	No
show debug aclmgr	No
show debug aclqos	No
show debug aclqos bypass	No
show debug aclqos debug-level	No
show debug adbm	No
show debug adbm bypass	No
show debug arp	No
show debug ascii-cfg	No
show debug assoc bypass	No
show debug assoc_mgr	No
show debug bootvar	No
show debug callhome	No
show debug capability	No
show debug cdp	No
show debug cert-enroll	No
show debug cfs	No
show debug clk_mgr	No

show debug confcheck	No
show debug copp	No
show debug copp bypass	No
show debug core	No
show debug device_test	No
show debug dhclient	No
show debug diagclient	No
show debug diagmgr	No
show debug eltm	No
show debug eltm bypass	No
show debug ethdstats	No
show debug ethpm	No
show debug ethpm bypass	No
show debug evmc	No
show debug evms	No
show debug exceptionlog	No
show debug fabric forwarding	No
show debug fc2	No
show debug fc2d	No
show debug fc2d bypass	No
show debug fcfwd	No
show debug fcoe_klm	No
show debug fcoe_mgr	No
show debug fcoe_mgr bypass	No
show debug fcoe_mgr filter	No
show debug fm	No
show debug fs-daemon	No
show debug gpixm	No
show debug gpixm bypass	No

show debug im	No
show debug im bypass	No
show debug interface-vlan	No
show debug ip igmp snooping	No
show debug ip mfwf packet	No
show debug ip mrouting	No
show debug ip routing	No
show debug ip { ipc   mpacket   packet   icmp }	No
show debug ipconf	No
show debug ipconf bypass	No
show debug ipconf ipv6	No
show debug ipfib	No
show debug ipqos	No
show debug ipqos debug-level	Yes
show debug ipv6 mrouting	No
show debug ipv6 routing	No
show debug ipv6 { icmp   mld   nd }	No
show debug ipv6 { ipc   mpacket   packet }	No
show debug iscm	No
show debug kadb	No
show debug klm-rwsem	No
show debug l2fm	No
show debug l2fm bypass	No
show debug l2fwder	No
show debug l2pt	No
show debug l2rib	No
show debug license	No
show debug lim	No
show debug lim bypass	No

show debug lldp	No
show debug lldp bypass	No
show debug m2rib	No
show debug mfdm	No
show debug mfdm bypass	No
show debug mmode	No
show debug module	No
show debug monitor	No
show debug mpls forwarding	No
show debug mts	No
show debug mvsh	No
show debug npv	No
show debug npv bypass	No
show debug ntp	No
show debug nve	No
show debug obfl	No
show debug pfstat	No
show debug pfstat bypass	No
show debug pixm	No
show debug pixm bypass	No
show debug platform	No
show debug plcmgr	No
show debug plog	No
show debug pltfm_config	No
show debug pltfm_config bypass	No
show debug plugin	No
show debug plugin bypass	No
show debug port	No
show debug port bypass	No

show debug port-channel	No
show debug port-channel bypass	No
show debug port-client	No
show debug port-client bypass	No
show debug port-security	No
show debug port-security bypass	No
show debug port_lb	No
show debug psshelper	No
show debug psshelper_gsvc	No
show debug radius	No
show debug redundancy	No
show debug res_mgr	No
show debug res_mgr bypass	No
show debug rpm	No
show debug sal	No
show debug san-port-channel	No
show debug san-port-channel bypass	No
show debug security	No
show debug sensor	No
show debug sflow	No
show debug snmp	No
show debug snmpmib	No
show debug snmpmib bypass	No
show debug spanning-tree	No
show debug spanning-tree bypass	No
show debug spm	No
show debug spm bypass	No
show debug statsclient	No
show debug stripcl	No

show debug system	No
show debug track	No
show debug track bypass	No
show debug ttyd	No
show debug ufdm	No
show debug ufdm bypass	No
show debug usdk	No
show debug vdc	No
show debug vdc bypass	No
show debug virtual-service	No
show debug vlan	No
show debug vlan bypass	No
show debug vmm	No
show debug vsan	No
show debug vsh	No
show debug vshd	No
show debug vtp	No
show debug wwn	No
show debug xbar	No
show debug xml server	No
show debug xml server session logging level	Yes
show debug { bgp   ip bgp }	No
show debug { clis   clis-all }	No
show debug { igmp   ip igmp }	No
show debug { keystore   sksd }	No
show debug { logfile <s0> }	No
show debug { ospf   ip ospf }	No
show debug { port-profile   session-mgr   csm }	Yes
show debug-filter all	No

show debug-filter arp	No
show debug-filter fabric forwarding	No
show debug-filter ip mrouting	No
show debug-filter ipv6 icmp	No
show debug-filter ipv6 mrouting	No
show debug-filter l2fwder	No
show debug-filter l2pt	No
show debug-filter rpm	No
show debug-filter { bgp   ip bgp }	No
show debug-filter { igmp   ip igmp }	No
show debug-filter { ospf   ip ospf }	No
show default-interface log	No
show diagnostic bootup level	Yes
show diagnostic content module { all   <module> }	Yes
show diagnostic description module <module> test { all   <name>   <test-id> }	Yes
show diagnostic events [ error   info ]	No
show diagnostic ondemand setting	Yes
show diagnostic result module <module> [ test { <name>   <test-id> } ] { [ detail ]   [ statistics ] }	Yes
show diagnostic result module all [ detail ]	Yes
show diagnostic simulation module <module>	Yes
show diagnostic status module <module>	Yes
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> }	Yes
show dot1q-tunnel	Yes
show dot1q-tunnel interface <ifid_eth_dot1q_tunnel>	Yes
show email	Yes
show encryption service stat	Yes

show environment [ fan [ detail1 ]   power [ detail ] [ ampere ] [ input ]   temperature [ module <module>   <s0> <santa-cruz-range>   psu ] ]	Yes
show eol status	No
show errdisable flap	No
show errdisable { detect   recovery }	Yes
show event manager environment { all   <varname> }	Yes
show event manager event-types [ all   <event-type-name> ] [ module <module-id> ]	Yes
show event manager events action-log [ policy <policy-name>   event-type <event-type-name> ]	No
show event manager history events [ detail ] [ maximum <n-events> ] [ severity <sev> ]	Yes
show event manager policy-state <name> [ module <module-id> ]	Yes
show event manager script system { all   <script-name> }	Yes
show event manager system-policy [ all   <policy-name> ]	Yes
show event-history	No
show event-history xbar	No
show fc2 bind	No
show fc2 classf	No
show fc2 exchange	No
show fc2 exchresp	No
show fc2 flogi	No
show fc2 nport	No
show fc2 plogi	No
show fc2 plogi_pwwn	No
show fc2 port brief	No
show fc2 port drops	No
show fc2 port state	No
show fc2 socket	No
show fc2 sockexch	No
show fc2 socknotify	No



show fc2 socknport	No
show fc2 vsan	No
show fcdroplacency [ { network   switch } ]	No
show fcoe	No
show fcoe database	No
show fcoe-npv issu-impact	No
show fctimer	No
show fctimer D_S_TOV [ vsan <i0> ]	No
show fctimer E_D_TOV [ vsan <i0> ]	No
show fctimer F_S_TOV [ vsan <i0> ]	No
show fctimer R_A_TOV [ vsan <i0> ]	No
show fctimer distribution status	No
show fctimer last action status	No
show fctimer pending	No
show fctimer pending-diff	No
show fctimer session status	No
show fctimer session-status	No
show fctimer status	No
show fctimer vsan <i0>	No
show feature	Yes
show feature-set [ <name> ] [ <id> ]	Yes
show feature-set services <s0>	Yes
show file <uri0> [ cksun   md5sum   sha256sum   sha512sum ]	Yes
show fips status	Yes
show forwarding [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] [ ip   ipv4 ] adjacency [ mpls ] [ lisp ] [ nve ] [ <aif> ] [ <anh> ] [ detail   stats   platform ] [ module <module> ]	Yes
show forwarding [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] ipv6 adjacency [ mpls ] [ <aif> ] [ <anh> ] [ detail   stats   platform ] [ module <module> ]	Yes

show forwarding [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> }   table <table_id> ] [ ip   ipv4 ] security mac [ <addr> ] [ module <module>   vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] +	Yes
show forwarding [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> }   table <table_id> ] [ ip   ipv4 ] { route   rnhdb } [ recursive ] [ summary   detail   platform   partial   <prefix> [ longer-prefixes ] [ detail   platform ]   <address> [ detail   platform ]   interface <interface> [ detail   platform ]   next-hop { <nh>   <nhv6> } [ detail   platform ]   attached   unresolved   adjacency { <aif> <anh>   drop   glean   punt }   ipsg ] [ max-display-count <display_count> ] [ module <module>   vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] +	Yes
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> } ] +	Yes
show forwarding [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> }   table <table_id>   vlan <vlan_id> ] [ ip   ipv4 ] security group-tag [ <addr> ] [ module <num>   vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] +	Yes
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 } ] + }	Yes
show forwarding [ vrf { <vrf-name>   <vrf-known-name>   all }   table <table_id> ] [ ip   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 } ] + }	Yes
show forwarding [ vrf { <vrf-name>   <vrf-known-name> }   table <table_id> ] [ ip   ipv4 ] pss route [ module <module> ]	No
show forwarding [ vrf { <vrf-name>   <vrf-known-name> }   table <table_id> ] ipv6 pss route [ module <module> ]	No
show forwarding bypass-hardware [ module <module> ]	No
show forwarding capture [ module <module> ]	Yes
show forwarding distribution [ ip ] multicast route [ table <id>   vrf { <vrf_name>   all } ] [ [ group { <gaddr> [ <mask> ]   <gprefix> } ] [ source { <saddr> [ <smask> ]   <sprefix> } ]   summary ]	Yes
show forwarding distribution capture	Yes
show forwarding distribution clients	Yes
show forwarding distribution fib-state	Yes

show forwarding distribution ip igmp snooping [ vlan <vlan-id> [ group [ <grpaddr>   <mac-grpaddr> ] [ source <srcaddr> ] ] ] [ detail ]	Yes
show forwarding distribution l2 multicast [ ip-based   mac-based ] [ vlan <vlan-id> [ { group <grpaddr> [ source <srcaddr> ] }   destination-mac <dmac> ] ] [ summary ]	Yes
show forwarding distribution lisp counters	Yes
show forwarding distribution lisp vrf enabled	Yes
show forwarding distribution logging [ enable   disable ]	No
show forwarding distribution multicast [ messages ]	Yes
show forwarding distribution multicast client	Yes
show forwarding distribution multicast client-ack-db	Yes
show forwarding distribution multicast download	No
show forwarding distribution multicast outgoing-interface-list { L2   L3   OTV } [ <index> ]	Yes
show forwarding distribution multicast resp-ack-timer-msgs	No
show forwarding distribution multicast { mfib-txlist [ vrf <vrf-name> ]   mfib-buffers }	No
show forwarding distribution nve overlay-vlan	Yes
show forwarding distribution otv multicast route [ vlan <vlan-id> ]	Yes
show forwarding distribution peer-id [ vpls   otv ]	Yes
show forwarding distribution test { on   off }	No
show forwarding distribution trace	No
show forwarding distribution { paus   rezum }	No
show forwarding ecmp [ { [ vrf { <vrf-name>   <vrf-known-name> } ] lisp } ] [ platform ] [ module <module> ] [ partial ]	Yes
show forwarding ecmp recursive [ platform ] [ max-display-count <display_count> ] [ module <module> ] [ partial ]	Yes
show forwarding file-log disable	No
show forwarding file-log enable	No
show forwarding interfaces [ module <module> ]	Yes
show forwarding kvfib cache { on   off }	No

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 ]	Yes
show forwarding mpls aggregate [ label { <label-id>   all } ] [ detail ] [ module <module> ]	Yes
show forwarding mpls cbts [ module <module> ]	Yes
show forwarding mpls drop-stats [ platform ]	Yes
show forwarding mpls ecmp [ module <module> ] [ platform ]	Yes
show forwarding mpls summary [ module <module> ]	Yes
show forwarding mpls te [ <te_if> ] [ detail ] [ module <module> ]	Yes
show forwarding multicast outgoing-interface-list { L2   L3 } [ platform ] [ module <module> ] [ <index> ]	Yes
show forwarding nve l2 ingress-replication-peers [ <peer_ip> ]	No
show forwarding nve l3 adjacency tunnel <tunnel_id> [ bd <bd_id>   table <table_id>   detail   module <num> ] +	No
show forwarding nve l3 peers [ peers <peer_id>   tunnel <tunnel_id>   detail   module <num> ] +	Yes
show forwarding otv <intf> [ peer <peer-id> ] [ module <module> ]	Yes
show forwarding otv ipv6 multicast route [ vlan <vlan_id> ] [ module <module> ]	Yes
show forwarding otv multicast outgoing-interface-list	Yes
show forwarding otv multicast route [ [ vlan <vlan-id> ] ] [ softwarebd <software-bd> ] [ module <module> ]	Yes
show forwarding otv vlan [ <vlan_id> ] [ module <module> ]	Yes
show forwarding restart [ module <module> ]	No
show forwarding test { on   off } [ module <module> ]	No
show forwarding trace [ clear ] [ module <module> ]	Yes
show forwarding trace profile	No
show forwarding trace profile funcstats [ enable   disable ] [ module <module> ]	Yes
show guestshell [ { detail } ]	Yes
show hardware	Yes
show hardware [ forwarding ] ip verify [ module <module> ]	Yes

show hardware access-list labels <label-type> <hw-label> [ module <module> ]	No
show hardware access-list lou resource threshold	Yes
show hardware access-list resource pooling	Yes
show hardware access-list team { { template { nfe   nfe2   l2-l3   l3   <name>   all } }   { region } }	Yes
show hardware capacity	No
show hardware capacity eobc	Yes
show hardware capacity fabric-utilization	No
show hardware capacity forwarding	No
show hardware capacity interface	Yes
show hardware capacity module	Yes
show hardware capacity power	Yes
show hardware fabricpath mac-learning module <module>	Yes
show hardware feature-capability [ detailed ]	Yes
show hardware forwarding interface statistics mode	Yes
show hardware forwarding memory health detail	No
show hardware forwarding memory health summary	No
show hardware mac address-table <module> [ static   dynamic ] [ address <mac-addr>   interface <interface-name>   vlan <id>   vdc <vdc>   fe <feid> ] + [ bd <bd_id> ]	Yes
show hardware profile status [ module <module> ] [ detail ]	Yes
show hardware profile team region	Yes
show hardware qos burst-detect max-records	Yes
show hardware qos eoq stats-class [ module <module> ]	Yes
show hardware qos include ipg [ module <module> ]	Yes
show hardware qos ing-pg-hdrm-reserve [ module <module> ]	Yes
show hardware qos ing-pg-no-min [ module <module> ]	Yes
show hardware qos ing-pg-share [ module <module> ]	Yes
show hardware qos min-buffer [ module <module> ]	Yes
show hardware qos ns-buffer-profile [ module <module> ]	Yes
show hardware qos ns-mcq3-alias [ module <module> ]	Yes

show hardware rate-limiter [ module <module> ] [ layer-3 { <l3-opts>   multicast <mcast-opts> }   layer-2 <l2-opts>   <opts>   fl <fl-opts> ]	Yes
show hardware rl snmp class-id <class-id>	Yes
show hardware rl snmp global class-id <class-id>	Yes
show hardware rl snmp local snmp-index <snmp-index> class-id <class-id>	Yes
show hosts	Yes
show ieth-header-decode <ieth>	No
show in-order-guarantee	No
show inactive-if-config log	No
show incompatibility { system <uri0>   nxos <uri1> }	Yes
show incompatibility-all { system <uri0>   nxos <uri1> }	Yes
show install all failed-standby	Yes
show install all failure-reason	Yes
show install all impact [ nxos <uri> ] + [ non-disruptive ]	No
show install all impact epld <uri1>	No
show install all status	No
show install epld status	No
show install impact <uri0>	No
show install impact <uri0> <uri1>	No
show install impact <uri0> detail	No
show install log { [ <id>   from <id1> ] [ detail ] [ reverse ]   [ last ] }	Yes
show install packages	Yes
show install patches	Yes
show install pkg-info <pname>	Yes
show install { inactive   active [ brief ]   committed }	Yes
show interface <ifeth> [ quick ]	Yes
show interface <ifeth_brf> brief	Yes
show interface <ifeth_ctr> counters [ snmp ]	Yes
show interface <ifeth_ctr_brf> counters brief [ <counter_val> ]	Yes

show interface <ifeth_ctr_dtl> counters detailed [ snmp ]	Yes
show interface <ifeth_ctr_dtl_all> counters detailed all [ snmp ]	Yes
show interface <ifeth_ctr_errs> counters errors [ snmp ]	Yes
show interface <ifeth_ctr_stm_ctrl> counters storm-control	Yes
show interface <ifeth_ctr_trnk> counters trunk	Yes
show interface <ifeth_dbnc> debounce	Yes
show interface <ifeth_errdis> status err-disabled	Yes
show interface <ifeth_errvlans> status err-vlans	Yes
show interface <ifeth_fcoe> fcoe	Yes
show interface <ifeth_fl_ctrl> flowcontrol	Yes
show interface <ifeth_status> status	Yes
show interface <ifeth_swch> switchport	Yes
show interface <ifeth_trans> transceiver fex-fabric [ calibrations   details ]	Yes
show interface <ifeth_trnk> trunk	Yes
show interface <ifid> [ brief   quick ]	Yes
show interface <ifid> description	Yes
show interface <ifid> status	Yes
show interface <ifid_aggr_ctrs> aggregate-counters [ brief ]	No
show interface <ifid_aggr_ctrs2> aggregate-counters [ brief ]	No
show interface <ifid_bbcrd> bbcredit	No
show interface <ifid_brief1> [ brief ]	Yes
show interface <ifid_brief2> [ brief ]	No
show interface <ifid_cap> capabilities	No
show interface <ifid_ctr> counters [ snmp ]	Yes
show interface <ifid_ctr_dtl_all> counters detailed all [ snmp ]	No
show interface <ifid_ctrs> counters [ brief ]	No
show interface <ifid_ctrs_det> counters details	Yes
show interface <ifid_ctrs_det2> counters details	No
show interface <ifid_desc1> description	Yes

show interface <ifid_eth> description	Yes
show interface <ifid_eth_cap> capabilities	Yes
show interface <ifid_macaddr> mac-address	Yes
show interface <ifid_mgmt_loop> description	Yes
show interface <ifid_status> status	Yes
show interface <ifid_tdr> cable-diagnostics-tdr	Yes
show interface <ifid_transceiver> transceiver [ calibrations   details   sprom ]	Yes
show interface <ifid_trnk> trunk vsan [ <vsan_id> ]	No
show interface <ifid_trns> transceiver [ calibrations   details ]	No
show interface <ifindex> vlan mapping	Yes
show interface <ifloop>	Yes
show interface <ifloop_brf> brief	Yes
show interface <ifloop_ctr_dtl> counters detailed	Yes
show interface <ifloop_ctr_dtl_all> counters detailed all	Yes
show interface <ifmgmt>	Yes
show interface <ifmgmt_brf> brief	Yes
show interface <ifmgmt_ctr_dtl> counters detailed	Yes
show interface <ifmgmt_ctr_dtl_all> counters detailed all	Yes
show interface <ifpch_brf> brief	Yes
show interface <ifrange>	Yes
show interface <ifrange> brief	Yes
show interface <ifrange> counters	Yes
show interface <ifrange> counters detailed all [ snmp ]	Yes
show interface <ifrange> description	Yes
show interface <ifrange> status [ err-disabled ]	Yes
show interface <iftun_desc>	Yes
show interface <iftun_desc> description	Yes
show interface <iftun_status> status [ err-disabled ]	Yes
show interface <iftunnel_brf> brief	Yes



show interface <loop_ctr_errs> counters errors	No
show interface [ <if_list> ] priority-flow-control [ detail ] [ module <module> ]	Yes
show interface [ controller   quick ]	Yes
show interface aggregate-counters [ brief ]	No
show interface brief [ controller   cli ]	Yes
show interface capabilities	Yes
show interface counters	Yes
show interface counters [ module <module> ]	Yes
show interface counters brief [ <counter_val> ]	Yes
show interface counters detailed [ snmp ]	Yes
show interface counters detailed all [ snmp ]	Yes
show interface counters errors [ module <module> ]	Yes
show interface counters snmp [ module <module> ]	Yes
show interface counters storm-control [ module <module> ]	Yes
show interface counters table [ verbose ]	No
show interface debounce	Yes
show interface description	Yes
show interface detail-counters	No
show interface flowcontrol [ module <module> ]	Yes
show interface hardware-mappings	No
show interface mac-address	Yes
show interface pruning	Yes
show interface snmp-ifindex	Yes
show interface status [ down   inactive   module <module>   up   auto-column ]	Yes
show interface status err-disabled	Yes
show interface status err-vlans	Yes
show interface switchport	Yes
show interface transceiver [ calibrations   details ]	Yes
show interface transceiver fex-fabric [ calibrations   details ]	Yes

show interface trunk [ module <module>   vlan <vlan_id>   fex <fex_num> ]	Yes
show interface trunk vsan [ <vsan_id> ]	No
show interface untagged-cos [ module <mod_num> ]	Yes
show inventory [ chassis   fans   power_supply   module [ <module> ]   <s0> [ <santa-cruz-range> ] ]	Yes
show ip adjacency [ <interface> [ summary ]   <ip-addr> [ non-best   detail ]   detail   summary   non-best   [ throttle ] statistics ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip arp [ [ [ <ip-address>   [ sync-entries   fhrp-non-active-learn ] [ detail ]   static   summary   [ summary ] <interface> ] ] [ vrf { <vrf-name>   <vrf-known-name>   all } ] ]	Yes
show ip arp anycast topo-info [ <topo-id> ]	No
show ip arp cache { { brief   detail }   { interface [ <intf> ] } } [ operational ]	No
show ip arp client	Yes
show ip arp off-list [ { vlan   bdi } <vlan-id> ]	Yes
show ip arp open-flow error-statistics	No
show ip arp snmp ptree { static   dynamic   virtual   typeall } [ vrf { <vrf-name>   <vrf-known-name>   all } ]	No
show ip arp statistics [ <interface> ] [ interface-all ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip arp suppression topo-info [ <topo-id> ]	No
show ip arp suppression-cache { detail [ vlan <vlan_id> ]   summary   statistics   vlan <vlan_id>   local [ vlan <vlan_id> ]   remote [ vlan <vlan_id> ] }	Yes
show ip arp tunnel-statistics	Yes
show ip arp vaddr	No
show ip arp vpc-statistics	Yes
show ip as-path-access-list [ "<aspl-name>"   <aspl-cfg-name> ]	Yes
show ip bgp	No
show ip cache { { brief   detail }   { interface [ <intf> ] } } [ operational ]	No
show ip client [ <client-name> ]	Yes
show ip community-list [ <cl_name> ]	Yes
show ip debug	No

show ip dns source-interface [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes
show ip dns source-interface vrf all	Yes
show ip extcommunity-list [ <extcl_name> ]	Yes
show ip fib adjacency [ <aif> ] [ <anh> ] [ module <module> ]	Yes
show ip fib distribution [ pauz   rezum ]	No
show ip fib distribution capture	Yes
show ip fib distribution clients	Yes
show ip fib distribution mroute [ { <group>   <gprefix> } [ <source> ] ] [ table <id> ]	Yes
show ip fib distribution multicast [ messages ]	Yes
show ip fib distribution multicast outgoing-interface-list { L2   L3   OTV } [ <index> ]	Yes
show ip fib distribution state	Yes
show ip fib interfaces [ module <module> ]	Yes
show ip fib mroute [ { <group>   <gprefix> } [ <source> ] ] [ table <table-id> ] [ module <module> ]	Yes
show ip fib mroute txlist [ module <module> ]	No
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> } ] +	Yes
show ip fib route recovered	No
show ip ftm statistics	No
show ip ftp source-interface [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes
show ip ftp source-interface vrf all	Yes
show ip http source-interface [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes
show ip http source-interface vrf all	Yes
show ip igmp interface <interface> [ detail ]   show ip igmp interface [ brief ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip igmp local-groups [ <interface> ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip igmp policy statistics reports [ <interface> ]	No

show ip igmp snooping [ otv ] groups [ { <source> [ <group> ] }   { <group> [ <source> ] } ] [ vlan <vlan> ] [ detail ] [ summary ]	Yes
show ip igmp snooping [ { vlan <vlan>   bridge-domain <bdid> } ]	Yes
show ip igmp snooping explicit-tracking [ vlan <vlan>   bridge-domain <bdid> ] [ ] [ detail ]	Yes
show ip igmp snooping lookup-mode [ vlan <vlan> ]	Yes
show ip igmp snooping mac-oif [ vlan <vlan> ] [ detail ]	Yes
show ip igmp snooping mrouter [ otv ] [ vlan <vlan>   bridge-domain <bdid> ] [ detail ]	Yes
show ip igmp snooping otv vlan brief	Yes
show ip igmp snooping pw vlan brief	Yes
show ip igmp snooping querier [ vlan <vlan>   bridge-domain <bdid> ] [ detail ]	Yes
show ip igmp snooping snmp mib adminMode	Yes
show ip igmp snooping snmp mib aliasingMode	Yes
show ip igmp snooping snmp mib cisV3ProcessEnableOperStatus	Yes
show ip igmp snooping snmp mib explicitTrackingTable [ vlan <cisVlanIndex-in> ]	Yes
show ip igmp snooping snmp mib fallBackTime	Yes
show ip igmp snooping snmp mib fastBlockEnabled	Yes
show ip igmp snooping snmp mib fastleaveenabled	Yes
show ip igmp snooping snmp mib filterStatsTable [ interface <ifIndex-in> vlan <cisFilterStatsVlanNumber-in> ]	Yes
show ip igmp snooping snmp mib ifAccessGroupTable [ interface <ifIndex-in> vlan <cisIfAccessGroupVlan-in> ]	Yes
show ip igmp snooping snmp mib ifConfigTable [ interface <ifIndex-in> ]	Yes
show ip igmp snooping snmp mib ifLimitTable [ interface <ifIndex-in> vlan <cisIfLimitVlanNumber-in> ]	Yes
show ip igmp snooping snmp mib ifLimitTotalTable [ interface <ifIndex-in> ]	Yes
show ip igmp snooping snmp mib igmpsnoopingenabled	Yes
show ip igmp snooping snmp mib iterfaceStatsTable [ interface <ifIndex-in> ]	Yes
show ip igmp snooping snmp mib lastMemeberQueryCount	Yes
show ip igmp snooping snmp mib lastMemeberQueryInterval	Yes

show ip igmp snooping snmp mib leaveQueryType	Yes
show ip igmp snooping snmp mib mcastGroupTable [ vlan <cisMcastGroupVlanIndex-in> <cisMcastGroupAddressType-in> <cisMcastGroupAddress-in> ]	Yes
show ip igmp snooping snmp mib mcastRouterCfgTable [ interface <ifIndex-in> vlan <cisMcastRouterVlanIndex-in> ]	Yes
show ip igmp snooping snmp mib mcastRouterConfigTable [ vlan <cisMcastRouterConfigVlanIndex-in> interface <ifIndex-in> ]	Yes
show ip igmp snooping snmp mib multicastGroupConfigTable [ vlan <cisMulticastGroupConfVlanIndex-in> <cisMulticastGroupConfCeVlanIndex-in> <cisMulticastGroupConfAddressType-in> <cisMulticastGroupConfAddress-in> <cisMulticastGroupConfSourceAddress-in> <cisMulticastGroupConfPortRange-in> ]	Yes
show ip igmp snooping snmp mib multicastGroupPortListTable [ vlan <cisMulticastGroupVlanIndex-in> <cisMulticastGroupCeVlanIndex-in> <cisMulticastGroupAddressType-in> <cisMulticastGroupAddress-in> <cisMulticastGroupSourceAddress-in> <cisMulticastGroupPortRangeIndex-in> ]	Yes
show ip igmp snooping snmp mib multicastGroupTable [ vlan <cisMulticastGroupVlanIndex-in> <cisMulticastGroupCeVlanIndex-in> <cisMulticastGroupAddressType-in> <cisMulticastGroupAddress-in> <cisMulticastGroupSourceAddress-in> ]	Yes
show ip igmp snooping snmp mib operMode	Yes
show ip igmp snooping snmp mib querierTable [ vlan <cisIgmpQuerierVlanIndex-in> ]	Yes
show ip igmp snooping snmp mib reportsuppressionenabled	Yes
show ip igmp snooping snmp mib robustnessVariable	Yes
show ip igmp snooping snmp mib routerAlertCheckEnabled	Yes
show ip igmp snooping snmp mib sourceOnlyEntryAgingTime	Yes
show ip igmp snooping snmp mib sourceOnlyLearningEnabled	Yes
show ip igmp snooping snmp mib tcxFloodQueryCount	Yes
show ip igmp snooping snmp mib timeToLiveCheckEnabled	Yes
show ip igmp snooping snmp mib topoChangeQuerySolicitEnabled	Yes
show ip igmp snooping snmp mib v3ProcessEnabledAdminStatus	Yes
show ip igmp snooping snmp mib v3SnoopingSupport	Yes
show ip igmp snooping snmp mib vlanFilterConfigTable [ vlan <cisVlanIndex-in> ]	Yes

show ip igmp snooping snmp mib vlanconfigtable [ vlan <cisVlanIndex-in> ]	Yes
show ip igmp snooping statistics [ global   vlan <vlan>   bridge-domain <bidid> ]	Yes
show ip igmp snooping { report-policy   access-group } statistics [ vlan <vlan> ]	No
show ip igmp vrf all	Yes
show ip igmp { groups   route } [ { <source> [ <group> ] }   { <group> [ <source> ] } ] [ <interface> ] [ summary ] [ vrf { <vrf-name>   <vrf-known-name>   all } ] [ summary-old ]	Yes
show ip interface { { { brief [ include-secondary ] }   [ <interface> ] }   [ <ip-addr> ] } [ operational ] [ vaddr ] [ vrf { <vrf-name>   <vrf-known-name>   all } ] }	Yes
show ip lisp data-cache [ <eid> ] [ vrf { <vrf-name>   <vrf-known-name> } ]	No
show ip load-sharing	Yes
show ip local-pt [ vrf { <vrf-name>   <vrf-known-name>   all } ]	No
show ip logging [ hash ]	Yes
show ip mroute [ [ bitfield ] [ detail ] ] rp   { [ <group> ] summary [ software-forwarded   rpf-failed ] }   { summary [ count   software-forwarded   rpf-failed ] }   { { <source> <group> }   { <group> [ <source> ]   <group> shared-tree   <group> source-tree }   shared-tree   source-tree } { [ flags ]   [ detail ] } [ summary [ software-forwarded   rpf-failed ]   bitfield ] } ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip multicast vrf [ <vrf-name>   <vrf-known-name>   all ]	Yes
show ip ospf [ <inst> ] policy statistics { { redistribute { { bgp   eigrp } <as>   { isis   ospf   rip } <tag>   static   direct   amt } }   { area <area-id-ip> filter-list { in   out } } } [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] border-routers [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] database [ [ [ network   asbr-summary   summary   router   opaque-link   opaque-area   nssa-external ] [ area <area-id-ip> ] ]   external [ ext_tag <tag_val> ]   opaque-as [ <lsid> ] [ self-originated   adv-router <adv-id>   adv-router-name <adv-name> ] ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] database [ [ [ network   asbr-summary   summary   router   opaque-link   opaque-area   nssa-external ] [ area <area-id-ip> ] ]   external [ ext_tag <tag_val> ]   opaque-as [ <lsid> ] [ self-originated   adv-router <adv-id>   adv-router-name <adv-name> ] detail [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] database database-summary [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] ha [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes

show ip ospf [ <tag> ] interface [ <interface>   vrf { <vrf-name>   <vrf-known-name>   all } ] [ private ]	Yes
show ip ospf [ <tag> ] interface brief [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] lsa-content-changed-list { <ip-addr>   <neighbor-name> } <interface>	Yes
show ip ospf [ <tag> ] memory	Yes
show ip ospf [ <tag> ] mpls ldp interface [ <interface>   vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] neighbors [ <interface> ] [ <neighbor>   <neighbor-name> ] detail [ vrf { <vrf-name>   <vrf-known-name>   all } ] [ private ]	Yes
show ip ospf [ <tag> ] neighbors [ <interface> ] summary [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] neighbors [ { { <interface> [ <neighbor>   <neighbor-name> ] }   { [ <neighbor>   <neighbor-name> ] [ vrf { <vrf-name>   <vrf-known-name>   all } ] } } ]	Yes
show ip ospf [ <tag> ] request-list { <ip-addr>   <neighbor-name> } <interface>	Yes
show ip ospf [ <tag> ] retransmission-list { <routerid>   <router-name> } <interface>	Yes
show ip ospf [ <tag> ] route [ <ip-addr>   <ip-prefix> [ longer-prefixes ] ] [ all_routes ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] route [ <ip-prefix> [ longer-prefixes ] ] summary [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] sham-links [ brief ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] statistics [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] summary-address [ private ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] traffic [ <interface> [ detail ]   [ detail ]   [ detail ] vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] traps-queue	No
show ip ospf [ <tag> ] virtual-links [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip ospf [ <tag> ] virtual-links brief [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip overlay-traffic	No
show ip ping source-interface [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes

show ip ping source-interface vrf all	Yes
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 ] } }	Yes
show ip process [ api ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ip router-id [ vrf { <vrf-name>   <vrf-known-name>   all } ]	No
show ip ssh source-interface [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes
show ip ssh source-interface vrf all	Yes
show ip stats	No
show ip telnet source-interface [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes
show ip telnet source-interface vrf all	Yes
show ip tftp source-interface [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes
show ip tftp source-interface vrf all	Yes
show ip traceroute source-interface [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes
show ip traceroute source-interface vrf all	Yes
show ip traffic [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes
show ip txlist { list   member }	No
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 } ]	No
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 } ]	No
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 } ]	No
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 { <regex-str>   { { <comm-id>   <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	No



<pre>show ip { mbgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]   { bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast   multicast }   all } ] } } dampening { dampened-paths [ regexp &lt;regexp-str&gt; ]   flap-statistics   parameters   history-paths [ regexp &lt;regexp-str&gt; ] } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show ip { mbgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]   { bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast   multicast }   all } ] } } extcommunity { &lt;regexp-str&gt;   { 4byteas-generic { transitive &lt;ext-comm-gen-trans&gt;   non-transitive &lt;ext-comm-gen-nontrans&gt; } } + [ exact-match ] } } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show ip { mbgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]   { bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast   multicast }   all } ] } } flap-statistics [ &lt;ip-prefix&gt;   &lt;ip-addr&gt; [ &lt;ip-mask&gt; ] ] [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show ip { mbgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]   { bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast   multicast }   all } ] } } neighbors { [ { &lt;neighbor-id&gt;   &lt;ipv6-neighbor-id&gt; } [ routes [ advertised   received   dampened ]   advertised-routes   received-routes   paths   flap-statistics ] ]   &lt;neighbor-prefix-id&gt;   &lt;ipv6-neighbor-prefix-id&gt; } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show ip { mbgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]   { bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast   multicast }   all } ] } } nexthop-database [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show ip { mbgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]   { bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast   multicast }   all } ] } } received-paths [ private ] [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show ip { mbgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]   { bgp [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast   multicast }   all } ] } } { route-map { &lt;rmap-name&gt;   &lt;rmap-name&gt; }   filter-list { &lt;fltrlist-name&gt;   &lt;test_pol_name&gt; }   { community-list { &lt;commmlist-name&gt;   &lt;test_pol_name&gt; }   extcommunity-list { &lt;extcommmlist-name&gt;   &lt;test_pol_name&gt; } } [ exact-match ] } [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   ALL_VRFS_012345678901234 } ]</pre>	No
<pre>show ipv6 [ icmp ] mld groups [ { &lt;source&gt; [ &lt;group&gt; ] }   { &lt;group&gt; [ &lt;source&gt; ] } ] [ &lt;interface&gt; ] [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   all } ]</pre>	Yes
<pre>show ipv6 [ icmp ] mld local-groups [ &lt;interface&gt; ] [ vrf { &lt;vrf-name&gt;   &lt;vrf-known-name&gt;   all } ]</pre>	Yes

show ipv6 [ icmp ] mld vrf all	No
show ipv6 cache { { brief   detail }   { interface [ <intf> ] } } [ operational ]	No
show ipv6 client [ <client-name> ]	Yes
show ipv6 fragments [ <source-addr> ]	Yes
show ipv6 icmp ndp	No
show ipv6 icmp off-list [ vlan <vlan-id> ]	Yes
show ipv6 icmp process sdb	No
show ipv6 icmp vaddr { link-local [ detail ]   global   pt-tree } [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ipv6 icmp vpc-statistics	Yes
show ipv6 icmp { adjacency   neighbor   sync-entries } [ <interface> ] [ detail ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ipv6 interface global	No
show ipv6 interface { [ brief [ include-secondary ]   [ <interface>   <ipv6-addr> ] [ detail ] ] } [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ipv6 lisp data-cache [ <eid> ] [ vrf { <vrf-name>   <vrf-known-name> } ]	No
show ipv6 local-pt [ vrf { <vrf-name>   <vrf-known-name>   all } ]	No
show ipv6 mroute [ [ bitfield ]   rp ] { [ <group> ] summary [ software-forwarded ] }   { summary [ count   software-forwarded ] }   { { <source> <group> }   { <group> [ <source> ] } } [ summary [ software-forwarded ]   bitfield ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ipv6 mtu [ statistics   vrf { <vrf-name>   <vrf-known-name>   all [ detail ] } ]	No
show ipv6 nd ra dns search-list [ interface <interface> ]	Yes
show ipv6 nd ra dns server [ interface <interface> ]	Yes
show ipv6 nd rt-pref global pt	No
show ipv6 ndp	No
show ipv6 neighbor static [ interface <interface> ]	Yes
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 ] } } }	Yes
show ipv6 process [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ipv6 process sdb	No

show ipv6 routers [ all-routers ] [ [ interface <interface> ] [ vrf { <vrf-name>   <vrf-known-name>   all } ] ]	Yes
show ipv6 static-route [ <prefix> ] [ multicast ] [ track-table ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show ipv6 statistics	No
show ipv6 traffic [ detail ] [ vrf { <vrf-name>   <vrf-known-name> } ]	Yes
show ipv6 { adjacency   neighbor } [ <interface> [ summary ]   <ipv6-addr> [ detail ]   detail   summary   non-best   [ throttle ] statistics ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
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 } ]	No
show ipv6 { bgp   mbgp } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] community { <regexp-str>   { { <comm-id>   <wellknown-id> } } + [ exact-match ] } } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	No
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 } ]	No
show ipv6 { bgp   mbgp } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] 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 } ]	No
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 } ]	No
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 } ]	No
show ipv6 { bgp   mbgp } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] nexthop-database [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	No
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 } ]	No

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 } ]	No
show ipv6 { bgp   mbgp } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] summary [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	No
show ipv6 { bgp   mbgp } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ] { rib-install   rib-uninstall   rib-pending } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	No
show ipv6 { bgp   mbgp } nexthop <ipv6nexthop>	No
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 ] }	No
show ipv6 { icmp   nd } global traffic	Yes
show ipv6 { icmp   nd } interface [ <interface> ] { [ prefix [ full ] ]   [ route ]   [ detail ] } [ vrf { <vrf-name>   <vrf-known-name>   all } ] }   { show ipv6 [ icmp ] mld interface [ brief ] [ detail ] [ vrf { <vrf-name>   <vrf-known-name>   all } ] }   { show ipv6 [ icmp ] mld interface <interface>	Yes
show ipv6 { icmp   nd } interface [ <interface> ] { [ prefix [ full ] ]   [ route ]   [ detail ] } [ vrf { <vrf-name>   <vrf-known-name>   all } ] }   { show ipv6 [ icmp ] mld interface [ brief ] [ detail ] [ vrf { <vrf-name>   <vrf-known-name>   all } ] }   { show ipv6 [ icmp ] mld interface <interface>	Yes
show itd <svc-name> [ brief ]	Yes
show itd [ brief ]	Yes
show itd session device-group [ <name> ]	Yes
show itd vrf [ <name> ]	Yes
show itd { <service_name>   all } [ src { <src-ip>   <src-IPv6> }   dst { <dst-ip>   <dst-IPv6> } ] statistics [ brief ]	Yes
show key chain [ <keychain> ]	Yes
show key chain [ <keychain> ] mode decrypt	Yes
show keystore	Yes
show kim inconsistency	No
show l2fwder l2rib info	No
show l2fwder rmac <mac-address>	No
show l2fwder statistics	No

show l2protocol tunnel [ { interface <intf-range> }   { vlan <vlan-id> } ] [ summary ]	Yes
show l2rib clients [ <client_id> ]	Yes
show l2rib producers [ { topology   mac   mac-ip   ead   pl   imet   flood-list   startup-route   peerid } [ static   local   bgp   vxlan   hmm   arp   ofa ] ] [ detail ]	Yes
show l2rib registrations [ client <client_id> [ <topo_id> { mac   mac-ip   ead   pl   imet   flood-list   arp-signal   startup-route   topo } ] ]	Yes
show l2route evpn fl all [ detail ]	Yes
show l2route evpn fl evi <vpn-id> [ detail ]	Yes
show l2route evpn imet all [ detail ]	Yes
show l2route evpn imet evi <vpn-id> [ bgp   vxlan ] [ detail ]	Yes
show l2route evpn mac all [ detail ]	Yes
show l2route evpn mac evi <vpn-id> [ static   local   bgp   vxlan ] [ mac <mac_addr> ] [ next-hop { <ipv4_addr>   <ipv6_addr>   <if-hdl> } ] [ detail ]	Yes
show l2route evpn mac-ip all [ detail ]	Yes
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 ]	Yes
show l2route evpn startup-route all [ detail ]	Yes
show l2route evpn startup-route evi <vpn-id> [ detail ]	Yes
show l2route fl { topology <topo-id>   all } [ detail ]	Yes
show l2route peerid	Yes
show l2route summary	No
show l2route topology [ <topo_id> ] [ detail ]	Yes
show l2route { mac   openflow mac   dataplane mac [ local   remote ] } { topology <topo-id>   all } [ detail ]	Yes
show l2route { mac-ip   openflow mac-ip } { topology <topo-id>   all } [ detail ]	Yes
show license	Yes
show license brief	Yes
show license file <license-file>	Yes
show license host-id	Yes
show license reserved	No

show license usage [ { detail   <license-feature> } ]	Yes
show line	Yes
show line console	Yes
show line console connected	Yes
show line console user-input-string	Yes
show lldp all	Yes
show lldp dcxb interface <if0>	Yes
show lldp entry [ <sys-name> ]	Yes
show lldp interface <if0>	Yes
show lldp neighbors [ interface <if> ]	Yes
show lldp neighbors [ interface <if> ] detail	Yes
show lldp neighbors [ interface <if> ] system-detail	Yes
show lldp portid-subtype	Yes
show lldp timers	Yes
show lldp tlv-select	Yes
show lldp traffic	Yes
show lldp traffic interface <if>	Yes
show locator-led status	Yes
show logging	No
show logging console	No
show logging info	Yes
show logging ip access-list cache [ detail ]	Yes
show logging ip access-list status	Yes
show logging last <i0>	No
show logging level	No
show logging level [ { auth   authpriv   cron   daemon   ftp   kernel   local0   local1   local2   local3   local4   local5   local6   local7   lpr   mail   news   syslog   user   uucp } ]	No
show logging level aaa	No
show logging level acllog	No

show logging level aclmgr	No
show logging level adbm	No
show logging level adjmgr	No
show logging level arp	No
show logging level ascii-cfg	No
show logging level assoc_mgr	No
show logging level bgp	No
show logging level bloggerd	No
show logging level bootvar	No
show logging level callhome	No
show logging level capability	No
show logging level cdp	No
show logging level cert-enroll	No
show logging level cert_enroll	No
show logging level cfs	No
show logging level clis	No
show logging level clk_mgr	No
show logging level confcheck	No
show logging level copp	No
show logging level core	No
show logging level diagnostic device_test	No
show logging level diagnostic diagclient	No
show logging level diagnostic diagmgr	No
show logging level eltm	No
show logging level ethdstats	No
show logging level ethpm	No
show logging level evmc	No
show logging level evms	No
show logging level fabric forwarding	No

show logging level fc2d	No
show logging level fcoe_mgr	No
show logging level feature-mgr	No
show logging level fs-daemon	No
show logging level gpixm	No
show logging level im	No
show logging level interface-vlan	No
show logging level ip igmp	No
show logging level ipconf [ ipv6 ]	No
show logging level ipfib	No
show logging level ipqos	No
show logging level ipv6 icmp	No
show logging level iscm	No
show logging level l2fm	No
show logging level l2pt	No
show logging level l3vm	No
show logging level lim	No
show logging level lldp	No
show logging level m2rib	No
show logging level mfdm	No
show logging level mfwd	No
show logging level mmode	No
show logging level module	No
show logging level monitor	No
show logging level mvsh	No
show logging level netstack	No
show logging level npv	No
show logging level ntp	No
show logging level nve	No



show logging level ospf	No
show logging level pfstat	No
show logging level pixm	No
show logging level pktmgr	No
show logging level platform	No
show logging level plcmgr	No
show logging level pltfm_config	No
show logging level plugin	No
show logging level port	No
show logging level port-channel	No
show logging level port-profile	No
show logging level port-security	No
show logging level radius	No
show logging level res_mgr	No
show logging level routing [ ip   ipv4 ] multicast	No
show logging level routing ipv6 multicast	No
show logging level rpm	No
show logging level sal	No
show logging level san-port-channel	No
show logging level security	No
show logging level session-mgr	No
show logging level sflow	No
show logging level smm	No
show logging level snmpd	No
show logging level snmpmib_proc	No
show logging level spanning-tree	No
show logging level spm	No
show logging level stripcl	No
show logging level sysmgr	No

show logging level track	No
show logging level u6rib	No
show logging level ufdm	No
show logging level urib	No
show logging level vdc_mgr	No
show logging level virtual-service	No
show logging level vlan_mgr	No
show logging level vmm	No
show logging level vsan	No
show logging level vshd	No
show logging level vtp	No
show logging level wwn	No
show logging level xbar	No
show logging level { keystore   sksd }	No
show logging level { license   licmgr }	No
show logging logfile	No
show logging logfile duration <s1>	No
show logging logfile last-index	No
show logging logfile start-seqn <i0> [ end-seqn <i1> ]	No
show logging logfile start-time <i0> <s0> <i1> <s1> [ end-time <i2> <s2> <i3> <s3> ]	No
show logging loopback	No
show logging module	No
show logging monitor	No
show logging nvram [ [ { last <i0> } ] [ ] ]	Yes

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 } ] ] ] ]	No
show logging origin-id	No
show logging pending	No
show logging pending-diff	No
show logging server	Yes
show logging session status	No
show logging source-interface	No
show logging status	No
show logging timestamp	No
show login	Yes
show login failures	Yes
show login on-failure log	No
show login on-successful log	No
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 ]	Yes
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> ] + } ]	Yes
show mac address-table aging-time	Yes

show mac address-table count [ static   dynamic ] [ local ] [ { [ interface <interface-name>   { switch-id <swid> [ sub-switch-id <sswid> ] }   vlan <id> ] + }   { [ interface1 <interface-name>   vni <vni-id>   peer-ip <peer-ipv4> ] + } ]	Yes
show mac address-table learning-mode [ vlan <id> ]	Yes
show mac address-table loop-detect	No
show mac address-table multicast [ vlan <vlan> ]	Yes
show mac address-table notification mac-move	Yes
show mac vdc <vdc_id>	Yes
show mac-list { [ <mac_list_name> [ { seq <seq_no>   { <mac_addr> [ <mac_mask> ] } } ] ] }	Yes
show maintenance on-reload reset-reasons	Yes
show maintenance profile [ <mode> ]	Yes
show maintenance timeout	Yes
show mcectest <arg>	Yes
show mcectest mcec interface <if> [ use-cache ] [ vdc-id ] [ _readonly_ <mcec_mode> ]	No
show mgmt-policy { <policy-name>   all }	Yes
show module <module> bandwidth-fairness	Yes
show module [ { <module> }   { <s0> [ <santa-cruz-range> ] }   { fabric [ <module> ] } ]	Yes
show module supported	No
show module uptime	Yes
show monitor	Yes
show monitor session { all   <session_number>   range <session_range> } [ brief ]	Yes
show mpls forwarding statistics [ interface { <interface>   all } ]	Yes
show mpls strip labels [ all   static   dynamic   <label_val> ]	Yes
show npv external-interface-usage [ server-interface <if0> ]	No
show npv flogi-table [ { interface <if0>   vsan <i0> } ]	No
show npv status [ vsan <i0> ]	No
show npv traffic-map [ server-interface <if0> ]	No
show npv traffic-usage [ server-interface <if0> ]	No

show ntp access-groups	Yes
show ntp authentication-keys	Yes
show ntp authentication-status	Yes
show ntp logging-status	Yes
show ntp peer-status	Yes
show ntp peers	Yes
show ntp rts-update	Yes
show ntp session status	Yes
show ntp source	Yes
show ntp source-interface	Yes
show ntp statistics { [ io ]   [ local ]   [ memory ]   peer { ipaddr { <ipv4_0>   <ipv6_1> }   name <s0> } }	Yes
show ntp status	Yes
show ntp trusted-keys	Yes
show nve bfd neighbors	Yes
show nve interface [ <nve-if> [ detail ] ]	Yes
show nve peers <addr> interface <nve-if>counters	Yes
show nve peers [ [ [ interface <nve-if>   peer-ip <user-peer-ip>   control-plane   data-plane ] [ detail ] ]   [ control-plane-vni [ vni <vni-id>   peer-ip <user-peer-ip> ] ]   [ controller ] ]	Yes
show nve replication-servers	Yes
show nve vni <vni-id> counters	Yes
show nve vni [ { { interface <nve-if>   <vni-id> } [ detail ] }   control-plane   data-plane   summary   controller ]	Yes
show nve vni ingress-replication [ { interface <nve-if>   <vni-id> } ]	Yes
show nve vrf [ vrf-name ]	Yes
show nve vxlan-params	Yes
show nxapi	Yes
show nxapi retries	No
show object-group [ <name> ]	Yes

show param-list [ param-list-name <plistname> ] [ show-instance ]	Yes
show password secure-mode	Yes
show password strength-check	Yes
show pmap-int { interface [ <iface-list> ] [ input   output ] [ type <qos-or-q> ]   vlan [ <vlan-list> ] [ inputx   outputx ] [ type qos ] }	Yes
show pmap-int-br interface br	Yes
show policy-map [ { [ type qos ] [ <pmap-name-qos> ] }   { type queuing [ <pmap-name-que> ] } ]	Yes
show policy-map interface control-plane { [ module <slot-no-in> [ class <cmap-name> ] ]   [ class <cmap-name> [ module <slot-no-in> ] ] }	Yes
show policy-map interface { [ <ifnum> ] } type psp { [ <pmap-name> [ client <clienttype> <clientID> ] ]   [ handle <ppf_id> ] } { [ class-map-list { [ <cmap-name-plc>+ ]   [ class-map-handle <ppf_id1>+ ] } ] }	Yes
show policy-map system [ type { network-qos   qos [ input2 ]   queuing [ input   output ] } ]	Yes
show policy-map type control-plane [ expand ] [ { name <pmap-name> } ]	Yes
show policy-map type network-qos [ <pmap-name-nq> ]	Yes
show policy-map type psp { [ <pmap-name> [ client <clienttype> <clientID> ] ] [ cfg-mode <cfgmode> ] ]   [ handle <ppf_id> ] }	Yes
show port index-allocation	No
show port index-allocation startup	No
show port naming	No
show port-channel capacity	Yes
show port-channel compatibility-parameters	Yes
show port-channel database [ interface <if0> ]	Yes
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> } + [ module <module>   fex <fex-range>   hgig-tgid <tgid> ] + [ source-interface <if-id> ]	Yes
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-proto <prot> } +	Yes

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> ]	Yes
show port-channel load-balance { [ module <module> ]   { fex { all } } }	Yes
show port-channel rbh-distribution [ interface <if0> ]	Yes
show port-channel summary [ interface <if0>   controller ]	Yes
show port-channel traffic [ interface <if0> ]	Yes
show port-channel usage	Yes
show port-license	No
show port-profile [ name <all_profile_name> ]	Yes
show port-profile brief	Yes
show port-profile expand-interface [ name <all_profile_name> ]	Yes
show port-profile sync-status [ interface <intfname> ]	Yes
show port-profile usage [ name <all_profile_name> ]	Yes
show privilege	No
show processes	Yes
show processes cpu [ sort ]	Yes
show processes cpu history	No
show processes cpu module <i0>	Yes
show processes log	Yes
show processes log details	Yes
show processes log pid <i0>	Yes
show processes log vdc-all	Yes
show processes memory	Yes
show processes memory clis [ shared   private ]	No
show processes memory shared [ detail   dynamic ]	Yes
show processes vdc <e-vdc2>	No
show processes vdc <e-vdc2> cpu	No

show processes vdc <e-vdc2> log	No
show processes vdc <e-vdc2> log details	No
show processes vdc <e-vdc2> log pid <i1>	No
show processes vdc <e-vdc2> memory	Yes
show processes { version   threads } [ <comp-string> ]	Yes
show pss debug	No
show qos dcbxp incompatibility interface <iface-num>	Yes
show qos dcbxp info	Yes
show qos shared-policer [ type qos1 ] [ <policer-name> ]	Yes
show queuing [ interface <if_list> ] [ summary ] [ module <module> ]	Yes
show queuing burst-detect [ interface <if_name> [ queue <queue_num> ] ] [ module <module> ] [ detail ]	Yes
show queuing pfc-queue [ interface <if_list> ] [ module <module> ]	Yes
show queuing1 [ interface <if_list> ] [ summary ] [ module <module> ]	Yes
show radius status	Yes
show radius-cfs	Yes
show radius-server	Yes
show radius-server directed-request	Yes
show radius-server groups [ <s0> ]	Yes
show radius-server sorted	Yes
show radius-server statistics <host0>	Yes
show radius-server { <host0> }	Yes
show redundancy status	Yes
show resource [ <res-mgr-res-known-name> ] [ hidden-too   with-flags ]	Yes
show rmon { alarms   events   hcalarms   info   logs }	Yes
show role [ name <arg3> ]	Yes
show role feature [ name <arg5>   detail ]	Yes
show role feature-group [ name <arg4> ] [ detail ]	Yes
show rollback log { exec   verify }	Yes



show rollback status	Yes
show route-map [ "<route-map-name>"   <route-map-cfg-name> ]	Yes
show routing [ ip   ipv4 ] [ unicast ] memory estimate [ routes <route-count> [ next-hops <nh-count> ] [ next-hops-v6 <nh6-count> ] ] [ labels ]	Yes
show routing [ ip   ipv4 ] [ unicast ] memory statistics	Yes
show routing [ ip   ipv4 ] multicast clients [ <client-name> ]	Yes
show routing [ ip   ipv4 ] multicast lisp encap	Yes
show routing [ ip   ipv4 ] multicast mdt encapsulation [ detail ] [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
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> ] ]	Yes
show routing [ ip   ipv4 ] multicast { { [ bitfield ] [ detail ] }   rp { { <group> } summary [ software-forwarded   rpf-failed ] }   { summary [ count   software-forwarded   rpf-failed ] }   { { <source> <group> }   { <group> [ <source> ]   <group> shared-tree   <group> source-tree }   shared-tree   source-tree } { [ flags ]   [ detail ]   [ summary [ software-forwarded   rpf-failed ]   bitfield ] } } [ vrf { <vrf-name>   <vrf-known-name>   all } ]	Yes
show routing [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] [ ip   ipv4 ] [ unicast ] [ topology <topology-name> ] clients [ <client>   <protocol> ]	Yes
show routing [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] [ ip   ipv4 ] [ unicast ] [ topology <topology-name> ] hash <source> <dest> [ ip-proto <ip-proto> ] [ <src-port> <dest-port> ] [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ]	Yes
show routing [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] [ ip   ipv4 ] [ unicast ] [ topology <topology-name> ] hidden-nh	Yes
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> } ]	Yes
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> } ]	Yes
show routing [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] [ ip   ipv4 ] [ unicast ] [ topology <topology-name> ] unresolved-next-hop { [ <ip-addr> [ detail ] ]   [ summary ] } [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ]	No
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> } ]	Yes

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> ] [ <src-port> <dest-port> ] [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ]	Yes
show routing [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] hidden-nh	Yes
show routing [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] nexthop info [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ]	No
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> } ]	Yes
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> } ]	Yes
show routing ipv6 [ unicast ] memory estimate [ routes <route-count> next-hops <nh-count> ] [ labels ]	Yes
show routing ipv6 [ unicast ] memory statistics	Yes
show routing ipv6 multicast [ vrf { <vrf-name>   <vrf-known-name>   all } ] [ topology <topology-name> ] [ [ bitfield ]   rp   [ [ <group> ] summary [ software-forwarded ] ]   { summary [ count   software-forwarded ] }   { { <source> <group> }   { <group> [ <source> ] } } ] [ summary [ software-forwarded ]   bitfield ]	Yes
show routing ipv6 multicast clients [ <client-name> ]	Yes
show routing ipv6 multicast memory estimate [ groups <group-count> sources-per-group <source-count> oifs-per-entry <oif-count> ]	Yes
show routing vxlan-hash peer-ip <peer-ip> <inner-src-mac> <inner-dst-mac> [ <inner-src-ip> <inner-dst-ip> ] [ ip-proto <ip-proto> ] [ <inner-src-port> <inner-dst-port> ] [ module <module-id> ]	No
show routing-context	No
show routing-privilege	No
show running-config	No
show running-config aaa [ all ]	No
show running-config acllog [ all ]	No
show running-config aclmgr [ all   inactive-if-config ]	No
show running-config aclmgr { active-if-config   all-if-config }	No
show running-config adjmgr [ all ]	No

show running-config all	No
show running-config arp [ all ]	No
show running-config assoc [ all ]	No
show running-config bgp [ all ]	No
show running-config bloggerd [ all ]	No
show running-config callhome [ all ]	No
show running-config cdp [ all ]	No
show running-config cert-enroll [ all ]	No
show running-config cfs [ all ]	No
show running-config clock_manager [ all ]	No
show running-config config-profile [ <all_conf_profile_name> ]	No
show running-config copp [ all ]	No
show running-config diagnostic [ all ]	No
show running-config diff	No
show running-config eem	No
show running-config eltm	No
show running-config exclude <feature-list>+	No
show running-config expand-port-profile	No
show running-config explicit	No
show running-config fabric forwarding [ all ]	No
show running-config fcoe_mgr [ all ]	No
show running-config icmpv6 [ all ]	No
show running-config igmp [ all ]	No
show running-config interface <if0> [ membership ] [ expand-port-profile ]	No
show running-config interface <if0> defaults	No
show running-config interface <if0> explicit	No
show running-config interface [ <if0> ] [ all ] [ expand-port-profile ]	No
show running-config ip [ all ]	No
show running-config ipqos [ all   inactive-if-config ]	No

show running-config ipqos { active-if-config   all-if-config }	No
show running-config ipv6 [ all ]	No
show running-config l2pt [ all ]	No
show running-config l3vm [ all ]	No
show running-config license [ all ]	No
show running-config lldp [ all ]	No
show running-config mmode [ all ]	No
show running-config monitor [ all ]	No
show running-config mpls strip [ all ]	No
show running-config ntp [ all ]	No
show running-config nv overlay [ all ]	No
show running-config ospf [ all ]	No
show running-config param-list [ <plistname> ]	No
show running-config port-profile [ <all_profile_name> ]	No
show running-config port-security [ all ]	No
show running-config radius [ all ]	No
show running-config res_mgr	No
show running-config routing ipv6 multicast [ all ]	No
show running-config routing { ip   ipv4 } multicast [ all ]	No
show running-config rpm [ all ]	No
show running-config section <section>	No
show running-config security [ all ]	No
show running-config services	No
show running-config sflow [ all ]	No
show running-config snmp [ all ]	No
show running-config spanning-tree [ <all>   interface <interface_range> ]	No
show running-config track [ all ]	No
show running-config vdc [ all ]	No
show running-config vdc-all [ all ]	No

show running-config virtual-service	No
show running-config vlan	No
show running-config vlan <vlan-id> [ expand-port-profile ]	No
show running-config vlan_mgr	No
show running-config vrf <vrf-cfg-name> [ all ]	No
show running-config vrf default [ all ]	No
show running-config vshd	No
show running-config vtp [ all ]	No
show running-config wwnm	No
show running-config { switch-profile   include-switch-profile }	No
show san-port-channel compatibility-parameters	No
show san-port-channel consistency	No
show san-port-channel consistency detail	No
show san-port-channel database [ interface <ifid> ]	No
show san-port-channel database all	No
show san-port-channel summary	No
show san-port-channel usage	No
show sflow	No
show sflow statistics	Yes
show snapshots	No
show snapshots compare <snapshot-name-T1> <snapshot-name-T2>	No
show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv4routes	No
show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv6routes	No
show snapshots compare <snapshot-name-T1> <snapshot-name-T2> summary	No
show snapshots dump <snapshot-name>	No
show snapshots sections	No
show snmp	Yes
show snmp community	Yes
show snmp context	Yes

show snmp engineID	Yes
show snmp group	Yes
show snmp host	Yes
show snmp mib igmpCacheTable [ <igmpCacheAddress-in> ] [ <igmpCacheIfIndex-in> ]	Yes
show snmp mib igmpInterfaceTable [ <igmpInterfaceIfIndex-in> ]	Yes
show snmp pss	No
show snmp roledebug	No
show snmp sessions	Yes
show snmp snmpv3stats	No
show snmp source-interface	Yes
show snmp trap	Yes
show snmp user [ <s0> [ engineID <s1> ] ]	Yes
show sockets buffers [ { [ all <count> ] [ free <count> ] } ]	No
show sockets client { [ pid <pid> ] [ tcp   udp   raw ] [ detail ] [ kstack-ns-all ] }	Yes
show sockets connection [ pid <pid>   tcp   udp   raw ] [ local { <srcIP>   <srcIP6> } ] [ foreign { <dstIP>   <dstIP6> } ] [ detail ] [ keydetails ]	Yes
show sockets keychain-dump	No
show sockets local-port-range	Yes
show sockets performance [ clear ]	No
show sockets secure-lxc	No
show sockets statistics [ all   tcp   tcp6   tcpsum   udp   udp6   udpsum   raw   raw6   rawsum ]	Yes
show sockets tcp keychain binding	Yes
show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ]	Yes
show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] blockedports	No
show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] bridge [ priority [ system-id ] ] }   { show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] bridge [ { detail   brief } ] }   { show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] bridge [ { address   forward-time   hello-time   id   max-age   protocol } ]	No
show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] inconsistentports	No

show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] interface <interface-id>	Yes
show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] interface <interface-id> { <verbosity>   active } +	No
show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] interface <interface-id> { cost   inconsistency   edge   priority   rootcost   state }	No
show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] root [ priority [ system-id ] ]   { show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] root [ { address   cost   forward-time   hello-time   id   max-age   port } ] }   { show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] root [ { detail   brief } ] }	No
show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] summary	Yes
show spanning-tree [ vlan <vlan-id>   bridge-domain <bd-id> ] { <verbosity>   active } +	No
show spanning-tree issu-impact	No
show spanning-tree mst [ <mst-id> ]	Yes
show spanning-tree mst [ <mst-id> ] detail	No
show spanning-tree mst [ <mst-id> ] interface <interface-id>	Yes
show spanning-tree mst [ <mst-id> ] interface <interface-id> detail	No
show spanning-tree mst configuration [ ]	Yes
show spanning-tree mst configuration digest [ ]	Yes
show spanning-tree pathcost method	No
show spanning-tree summary totals	Yes
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 }	Yes
show ssh key [ { dsa   rsa } ]	Yes
show ssh server	Yes
show startup-config	No
show startup-config aaa	No
show startup-config acllog [ all ]	No
show startup-config aclmgr [ all ]	No
show startup-config adjmgr [ all ]	No
show startup-config arp [ all ]	No

show startup-config assoc [ all ]	No
show startup-config bfd [ all ]	No
show startup-config bgp [ all ]	No
show startup-config bloggerd [ all ]	No
show startup-config callhome	No
show startup-config cdp [ all ]	No
show startup-config cert-enroll	No
show startup-config cfs [ all ]	No
show startup-config config-profile [ <all_conf_profile_name> ]	No
show startup-config copp [ all ]	No
show startup-config dhcp [ all ]	No
show startup-config diagnostic [ all ]	No
show startup-config eem	No
show startup-config eltm	No
show startup-config exclude <feature-list>+	No
show startup-config expand-port-profile	No
show startup-config fabric forwarding [ all ]	No
show startup-config fcoe_mgr	No
show startup-config glbp	No
show startup-config hsrp	No
show startup-config icmpv6 [ all ]	No
show startup-config igmp [ all ]	No
show startup-config interface <if0> [ membership ] [ expand-port-profile ]	No
show startup-config interface [ <if0> ] [ expand-port-profile ]	No
show startup-config ip [ all ]	No
show startup-config ipqos [ all ]	No
show startup-config ipv6 [ all ]	No
show startup-config l2pt [ all ]	No
show startup-config l3vm [ all ]	No



show startup-config license [ all ]	No
show startup-config lldp [ all ]	No
show startup-config mmode [ all ]	No
show startup-config monitor	No
show startup-config mpls strip [ all ]	No
show startup-config ntp [ all ]	No
show startup-config nv overlay [ all ]	No
show startup-config ospf [ all ]	No
show startup-config param-list [ <plistname> ]	No
show startup-config port-profile [ <all_profile_name> ]	No
show startup-config port-security [ all ]	No
show startup-config radius	No
show startup-config routing ipv6 multicast [ all ]	No
show startup-config routing { ip   ipv4 } multicast [ all ]	No
show startup-config rpm [ all ]	No
show startup-config security	No
show startup-config services	No
show startup-config sflow [ all ]	No
show startup-config sla responder	No
show startup-config sla sender	No
show startup-config snmp [ all ]	No
show startup-config track	No
show startup-config vdc [ all ]	No
show startup-config vdc-all	No
show startup-config virtual-service	No
show startup-config vlan	No
show startup-config vlan <vlan-id>	No
show startup-config vmtracker [ all ]	No
show startup-config vrf <vrf-cfg-name> [ all ]	No

show startup-config vrf default [ all ]	No
show startup-config vrrp	No
show startup-config vrrpv3 [ all ]	No
show startup-config vshd	No
show startup-config vtp [ all ]	No
show startup-config wwnm	No
show startup-config { log   mdp-log } [ bootstrap ]	No
show startup-config { switch-profile   include-switch-profile }	No
show switch-profile	Yes
show switch-profile [ <profile-name> ] buffer	Yes
show switch-profile [ <profile-name> ] peer [ <dest-ip> ] [ details ]	Yes
show switch-profile [ <profile-name> ] status	Yes
show switch-profile [ <profile-name> ] { session-history   status commit }	Yes
show switching-mode	Yes
show switching-mode fabric-speed	Yes
show system auto-collect tech-support	No
show system cores	Yes
show system default switchport	No
show system error-id { list   <i0> }	Yes
show system exception-info	No
show system fabric-mode	Yes
show system fast-reload stabilization-timer	No
show system inband queuing statistics	Yes
show system inband queuing status	Yes
show system kgdb	No
show system memory-thresholds	Yes
show system mode	Yes
show system nve infra-vlans	Yes
show system pss shrink status [ details ]	Yes

show system redundancy ha status	Yes
show system redundancy status	Yes
show system reset-reason	Yes
show system reset-reason <s0> <santa-cruz-range>	Yes
show system reset-reason module <module>	Yes
show system resources	Yes
show system resources <i0>	No
show system resources [ <i0> ] module <module>	No
show system resources [ <i0> ] module all	No
show system routing mode	Yes
show system srg	No
show system standby manual-boot	Yes
show system switch-mode	Yes
show system switchover impact [ <uri0> [ <uri1> ] ]	No
show system uptime	Yes
show system verify bios { flash <i0> [ module <module> ]   protection <i1> [ module <module1> ] }	No
show system vlan reserved	Yes
show table-map [ <tmap-name>   <default-tmap-enum-name> ]	Yes
show tech-support [ ip   ipv4 ] multicast	No
show tech-support [ time-optimized ] [ forced ]	No
show tech-support aaa	No
show tech-support aclmgr [ detail ]	No
show tech-support aclmgr compressed <uri0> [ detail ]	No
show tech-support aclqos	No
show tech-support aclqos compressed <uri0>	No
show tech-support adjmgr [ brief ]	No
show tech-support all	No
show tech-support all binary <uri0>	No

show tech-support all-binary	No
show tech-support arp [ brief ]	No
show tech-support ascii-cfg	No
show tech-support assoc_mgr	No
show tech-support bgp [ brief ]	No
show tech-support biosd	No
show tech-support bloggerd	No
show tech-support bloggerd-all	No
show tech-support bootvar	No
show tech-support brief	No
show tech-support callhome	No
show tech-support cdp	No
show tech-support cert-enroll	No
show tech-support cfs [ { commands   name <cfs-dyn-app-name> [ commands1 ] } ]	No
show tech-support cli	No
show tech-support clis [ brief ]	No
show tech-support clock_manager	No
show tech-support commands	No
show tech-support copp	No
show tech-support dcbox	No
show tech-support details [ space-optimized ]	No
show tech-support dhclient	No
show tech-support dhcp	No
show tech-support dme	No
show tech-support eem	No
show tech-support eltm [ detail ]	No
show tech-support ethpm	No
show tech-support fabric forwarding	No
show tech-support fast-reload	No

show tech-support fc2 [ commands ]	No
show tech-support fcoe	No
show tech-support fips	No
show tech-support forwarding l2 multicast	No
show tech-support forwarding l2 multicast vdc-all	No
show tech-support forwarding l2 unicast [ module <module> ]	No
show tech-support forwarding l3 multicast	No
show tech-support forwarding l3 multicast detail	No
show tech-support forwarding l3 multicast detail vdc-all	No
show tech-support forwarding l3 multicast vdc-all	No
show tech-support forwarding l3 unicast [ module <module> ]	No
show tech-support forwarding l3 unicast detail [ module <module> ]	No
show tech-support forwarding l3 unicast detail vdc-all [ module <module> ]	No
show tech-support forwarding l3 unicast vdc-all [ module <module> ]	No
show tech-support forwarding mpls [ module <module> ]	No
show tech-support forwarding multicast [ module <module> ]	No
show tech-support forwarding otv multicast vdc-all	No
show tech-support gold	No
show tech-support gpixm	No
show tech-support ha [ commands ]	No
show tech-support ha standby [ commands ]	No
show tech-support icmpv6 [ brief ]	No
show tech-support im	No
show tech-support inband counters	No
show tech-support include-time	No
show tech-support install	No
show tech-support interface-vlan	No
show tech-support ip [ brief ]	No
show tech-support ip igmp [ brief ]	No

show tech-support ip igmp snooping [ brief ]	No
show tech-support ipqos [ server-only ] [ all ] [ snmp ]	No
show tech-support ipv6 [ brief ]	No
show tech-support ipv6 multicast	No
show tech-support issu [ commands ]	No
show tech-support kstack	No
show tech-support l2	No
show tech-support l2fm	No
show tech-support l2fm clients [ module <module> ]	No
show tech-support l2fm detail [ module <module> ]	No
show tech-support l2fm l2dbg [ module <module> ]	No
show tech-support l2pt [ detail ]	No
show tech-support l2rib	No
show tech-support l3vm [ brief ]	No
show tech-support l3vpn [ brief ]	No
show tech-support lacp [ all ]	No
show tech-support license	No
show tech-support lim	No
show tech-support lldp	No
show tech-support logging	No
show tech-support m2rib	No
show tech-support mfwd [ brief ]	No
show tech-support mmode	No
show tech-support module <module>	No
show tech-support module all	No
show tech-support monitor	No
show tech-support monitor erspan	No
show tech-support monitorc-all	No
show tech-support mpls strip	No

show tech-support mpls fwd [ brief ]	No
show tech-support netstack	No
show tech-support netstack detail	No
show tech-support npacl [ brief ]	No
show tech-support npv	No
show tech-support ns	No
show tech-support ntp	No
show tech-support nve	No
show tech-support ospf [ brief ]	No
show tech-support page [ time-optimized ] [ forced ]	No
show tech-support patch	No
show tech-support pfstat	No
show tech-support pixm	No
show tech-support pixm-all	No
show tech-support pixmc-all	No
show tech-support pktmgr [ brief ]	No
show tech-support platform	No
show tech-support plcmgr [ detail ]	No
show tech-support pltfm-config	No
show tech-support port	No
show tech-support port-channel	No
show tech-support port-client-all	No
show tech-support port-profile	No
show tech-support ptp	No
show tech-support radius	No
show tech-support routing [ ip   ipv4 ] [ unicast ] [ brief ]	No
show tech-support routing [ ip   ipv4 ] multicast [ brief ]	No
show tech-support routing ipv6 [ unicast ] [ brief ]	No
show tech-support routing ipv6 multicast [ brief ]	No

show tech-support rpm	No
show tech-support sal	No
show tech-support satmgr	No
show tech-support security	No
show tech-support services [ detail ]	No
show tech-support session-mgr	No
show tech-support sflow	No
show tech-support sksd	No
show tech-support smm	No
show tech-support snmp	No
show tech-support sockets [ brief ]	No
show tech-support spm [ <application> ] [ detail ]	No
show tech-support statsclient [ module <module> ]	No
show tech-support stp	No
show tech-support sup-filesys	No
show tech-support sysmgr [ commands ]	No
show tech-support track	No
show tech-support tunnel [ { commands   detail [ commands1 ] } ]	No
show tech-support udd	No
show tech-support usd-all	No
show tech-support vdc	No
show tech-support virtual-service	No
show tech-support vlan	No
show tech-support vsan [ <i0>   commands ]	No
show tech-support vtp	No
show tech-support vxlan	No
show tech-support vxlan platform	No
show tech-support vxlan-evpn	No
show tech-support xbar	No



show tech-support xml	No
show telnet server	Yes
show terminal	No
show terminal output xml version	No
show time-range [ <name> ]	Yes
show track { [ <object-id>   interface   ip { route   sla }   ipv6 routev6   list boolean and   list boolean or   list threshold weight   list threshold percentage ] }	Yes
show track { [ <object-id>   interface   ip { route   sla }   ipv6 routev6   list boolean and   list boolean or   list threshold weight   list threshold percentage ] } brief	Yes
show user-account [ <s0> ]	Yes
show username <s0> keypair	Yes
show userpassphrase { min-length   max-length   length }	Yes
show users	Yes
show version	Yes
show version compatibility <uri0>	No
show version image <uri0>	No
show version module <module>	Yes
show version module <module> epld	No
show virtual-service [ { list }   { global }   { detail [ name <virt_serv_name> ] }   { core [ name <virt_serv_name_core> ] } ]	Yes
show virtual-service storage pool list	Yes
show virtual-service tech-support	No
show virtual-service utilization name <virt_serv_name>	Yes
show virtual-service version { { installed }   { name <virt_serv_name> installed } }	Yes
show vlan [ controller ]	Yes
show vlan access-list <name> [ <inp_seqno> ]	Yes
show vlan access-map [ <name> ]	Yes
show vlan all-ports	Yes
show vlan counters	Yes
show vlan dot1Q tag native	Yes

show vlan fcoe [ <vlan-id> ]	Yes
show vlan filter [ access-map <name>   vlan <vlan> ]	Yes
show vlan id <vlan-id>	Yes
show vlan id <vlan-id> counters	Yes
show vlan id <vlan-id> vn-segment	Yes
show vlan name <vname>	Yes
show vlan reserved	Yes
show vlan xbrief [ controller   cli ]	Yes
show vlan xsummary	Yes
show vlan-mgr errors	No
show vlan-mgr event-history	No
show vrf [ <vrf-name>   <vrf-known-name>   all ] [ order id ] [ detail ] [ passive ]	Yes
show vrf [ <vrf-name>   <vrf-known-name>   all ] interface [ <interface> ]	Yes
show vrf topology [ order id ] [ detail ]	Yes
show vsan	No
show vsan <i0> [ membership ]	No
show vsan membership [ interface <if0> ]	No
show vsan usage	No
show vtp counters	Yes
show vtp datafile	No
show vtp domain id <domain-id>	Yes
show vtp interface [ <interface_range> ]	Yes
show vtp mibstats	Yes
show vtp password [ domain <domain-id> ]	Yes
show vtp status	Yes
show vtp trunk interface <if_index>	Yes
show vtp vlan <vlan-id> [ domain <domain-id> ]	Yes
show vxlan [ interface [ <int-id>   <ch-id> ] ]	No
show wred-queue qos-group-map	No

show wrt unicast-bandwidth	No
show wrt-queue qos-group-map	No
show wwn interface <if0>	No
show wwn status [ { backplane-prom   block-id <i0>   non-volatile-pss   volatile-pss } ]	No
show wwn switch	No
show wwn vsan <i0>	No
show wwn vsan-wwn	No
show xml server logging configuration	No
show xml server status	Yes
show { consistency-checker l2 module <modnum>   forwarding consistency l2 <modnum> }	Yes
show { hostname   switchname }	Yes
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 } ]	No
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 } ]	No
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 } ] } { rib-install   rib-uninstall   rib-pending } [ vrf { <vrf-name>   <vrf-known-name>   ALL_VRFS_012345678901234 } ]	No
show { l2   fabricpath } mroute flood vlan <vlan_id>	Yes
show { l2   fabricpath } mroute summary [ detail ]	Yes
show { l2   fabricpath } mroute { [ vdc-omf ] { [ resolved ] }   [ vlan <vlanid> ] { { [ omf ]   [ flood ]   [ source { <srcaddr>   <v6srcaddr>   <macsrcaddr> } ]   [ group { <groupaddr>   <v6groupaddr>   <macgroupaddr> } ] } } [ resolved ] [ ftag <ftag-id> ] [ hex ] } }	Yes
show { l2   fabricpath } multicast ftag [ <ftag-id> ]	Yes

show { l2   fabricpath } multicast trees [ topo <topo-id> ] [ ftag <ftag-id> ] [ hex ]	Yes
show { routing   ip route } [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] [ ip   ipv4 ] [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr>   { <ip-prefix> [ { longer-prefixes   shorter-prefixes } ] } ] [ { <protocol> [ all ] }   { next-hop <next-hop>   next-hop-v6 <next-hop-v6> }   { interface <interface> }   { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary   detail ] [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ]	Yes
show { { ipv6 route }   { routing [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] } } [ l3vm-info ] [ rpf ] [ <ipv6-addr>   <hostname>   { <ipv6-prefix> [ { longer-prefixes   shorter-prefixes } ] } ] [ { <ipv6-protocol> [ all ] }   { next-hop <next-hop> }   { interface <interface> }   { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary   { [ detail ] [ deleted ] } ] [ vrf { <vrf-name>   <vrf-known-name>   <vrf-all> } ]	Yes
show_interface <single>	No