



## L Show Commands

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## show l2 mroute

```
show { l2 | fabricpath } mroute { [ vdc-omf ] { [ resolved ] } | [ vlan <vlanid> ] { { [ omf ] | [ flood ] } | [ source
{ <srcaddr> | <v6srcaddr> | <macsrcaddr> } ] [ group { <groupaddr> | <v6groupaddr> | <macgroupaddr> }
] } [ resolved ] [ ftag <ftag-id> ] [ hex ] } } [ __readonly__ [ <hex2> ] { TABLE_gr [ <ftag> ] <vlan_id> [ {
<v4src> <v4grp> <macgrp> | <v6src> <v6grp> <macsrc> } ] [ <omf> | <flood> ] <rt-uptime> <owners>
<num_nh> TABLE_nh { <nh_if> | <nh_sw> } [ <stale> ] [ <exclude> ] [ <svi> ] <flags> <nh-uptime>
<owner> <rt_type> | <done> | <start> } ]
```

### Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
mroute	Show multicast route database
vdc-omf	(Optional) Display vdc omf route
vlan	(Optional) Show information for a vlan
omf	(Optional) Show catch-all entry consisting of mroute ports
flood	(Optional) Display vlan flood route
ftag	(Optional) Show ftag number
source	(Optional) Show (s, g) source IP address
group	(Optional) Show group address
hex	(Optional) Display switch-ids in hex
<i>vlanid</i>	(Optional) Vlan value
<i>ftag-id</i>	(Optional) ftag id
<i>groupaddr</i>	(Optional) Group address
<i>macgroupaddr</i>	(Optional) MAC Group address
<i>srcaddr</i>	(Optional) Source address
<i>macsrcaddr</i>	(Optional) MAC source address
resolved	(Optional) Resolve switchid nexthops into the underlying interfaces
__readonly__	(Optional) Read Only
<i>hex2</i>	(Optional)
TABLE_gr	(Optional)



<i>vlan_id</i>	(Optional) VLAN
<i>rt-uptime</i>	(Optional) Time route was created
<i>num_nh</i>	(Optional) Number of next-hops
<i>owners</i>	(Optional) Owners
<i>v4src</i>	(Optional) IPv4 Multicast traffic source
<i>v4grp</i>	(Optional) IPv4 Multicast Group address
<i>macsrc</i>	(Optional) MAC Multicast traffic source
<i>macgrp</i>	(Optional) MAC Multicast Group address
<i>ftag</i>	(Optional) ftag id
<i>omf</i>	(Optional) Is OMF route
<i>flood</i>	(Optional) Is flood to vlan route
TABLE_nh	(Optional)
<i>nh_if</i>	(Optional) The next hop interface
<i>nh_sw</i>	(Optional) The next hop switch id
<i>owner</i>	(Optional) Owner
<i>flags</i>	(Optional) flags
<i>nh-uptime</i>	(Optional) Time nexthop was created
<i>rt_type</i>	(Optional) Route type
<i>stale</i>	(Optional) Is stale
<i>exclude</i>	(Optional) exclude from post routing replication
<i>svi</i>	(Optional) SVI interface
<i>done</i>	(Optional) Done displaying route data
<i>start</i>	(Optional) Print header

**Command Mode**

- /exec

# show l2 multicast ftag

```
show { l2 | fabricpath } multicast ftag [ <ftag-id> ] [ __readonly__ TABLE_topo <id> <topo_config>
TABLE_ftag <ftag> <topo_id> <config> ]
```

## Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
ftag	ftag number
<i>ftag-id</i>	(Optional) ftag id
<i>__readonly__</i>	(Optional) Read Only
TABLE_topo	(Optional)
<i>id</i>	(Optional) topo id
<i>topo_config</i>	(Optional) program ftag star route
TABLE_ftag	(Optional)
<i>ftag</i>	(Optional) ftag
<i>topo_id</i>	(Optional) topo id
<i>config</i>	(Optional) ftag config

## Command Mode

- /exec

## show l2 multicast trees

```
show { l2 | fabricpath } multicast trees [ topo <topo-id> ] [ ftag <ftag-id> ] [ hex ] [ __readonly__ [ <hex2> ] ] { TABLE_swid <ftag> <topo_id> <sw_id> <rt-uptime> <owners> <num_nh> TABLE_nh [ <preferred> ] { <nh_if> | <nh_sw> } [ <stale> ] <distance> <nh-uptime> <owner> <flags> <rt_type> | <start> | <done> } ]
```

### Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
trees	Show the broadcast/multicast tree database
topo	(Optional) Show topo instance
ftag	(Optional) Show ftag number
hex	(Optional) Display switch-ids in hex
<i>topo-id</i>	(Optional) topo id
<i>ftag-id</i>	(Optional) ftag id
<i>__readonly__</i>	(Optional) Read Only
<i>hex2</i>	(Optional)
TABLE_swid	(Optional)
<i>sw_id</i>	(Optional) switch id
<i>topo_id</i>	(Optional) topo id
<i>ftag</i>	(Optional) ftag id
<i>rt-uptime</i>	(Optional) Time route was created
<i>num_nh</i>	(Optional) Number of next-hops
<i>owners</i>	(Optional) Owners
TABLE_nh	(Optional)
<i>preferred</i>	(Optional) Is preferred interface
<i>nh_if</i>	(Optional) The next hop interface
<i>nh_sw</i>	(Optional) The next hop switch id

<i>owner</i>	(Optional) Owner
<i>flags</i>	(Optional) flags
<i>rt_type</i>	(Optional) Route type
<i>nh-uptime</i>	(Optional) Time nexthop was created
<i>distance</i>	(Optional) admin distance
<i>stale</i>	(Optional) Is stale
<i>start</i>	(Optional)
<i>done</i>	(Optional)

**Command Mode**

- /exec

## show l2 route

```
show { l2 | fabricpath } route [ topology { <topo_val> [ switchid <switchid> ] | all } | switchid <switchid> ]
[ detail | hex ] + [ __readonly__ <line_marker> <is_hex> { TABLE_route <topo_id> <ftag_value> <swid>
<sswid> <num_paths> { TABLE_path <path_str> <admin_distance> <metric> <time> <time_detail> <uuid>
} } ]
```

### Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
route	Show FabricPath route information
topology	(Optional) topology
<i>topo_val</i>	(Optional) topology value
switchid	(Optional) switchid
<i>switchid</i>	(Optional) switchid value
all	(Optional) all topologies
detail	(Optional) detail
hex	(Optional) display in hex
<i>__readonly__</i>	(Optional) Read Only
<i>line_marker</i>	(Optional) line marker
<i>is_hex</i>	(Optional) print in hex
TABLE_route	(Optional) Route delimiter
<i>topo_id</i>	(Optional) topo-id value
<i>ftag_value</i>	(Optional) ftag value
<i>swid</i>	(Optional) switch-id
<i>sswid</i>	(Optional) sub-switch id
<i>num_paths</i>	(Optional) num of paths
TABLE_path	(Optional) Path delimiter
<i>path_str</i>	(Optional) paths
<i>admin_distance</i>	(Optional) admin distance

<i>metric</i>	(Optional) metric
<i>time</i>	(Optional) time
<i>time_detail</i>	(Optional) time_detail
<i>uuid</i>	(Optional) uuid

**Command Mode**

- /exec

## show l2rib clients

```
show l2rib clients [ <client_id> ] [ __readonly__ TABLE_l2rib_clients <client-id> <uuid> <process-suffix> ]
```

### Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
clients	L2RIB Clients
<i>client_id</i>	(Optional) Enter Client ID
<i>__readonly__</i>	(Optional)
TABLE_l2rib_clients	(Optional) L2RIB Clients Table
<i>client-id</i>	(Optional) Client ID
<i>uuid</i>	(Optional) Process ID
<i>process-suffix</i>	(Optional) Process Name Suffix

### Command Mode

- /exec

## show l2rib producers

```
show l2rib producers [ { topology | mac | mac-ip | ead | pl | imet | flood-list | startup-route | peerid | es |
topo-child-attr } [ static | local | bgp | vxlan | hmm | arp | ofa | lisp ] ] [ detail ] [ __readonly__
TABLE_l2rib_producers <prod-name> <prod-id> <client-id> <obj-type> <admin-dist> <purge-time> <state>
[ <prod-flags> ] ]
```

### Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
producers	L2RIB Producers
detail	(Optional) Detailed information
topology	(Optional) Filter on Topology
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
peerid	(Optional) Filter on Peerid
es	(Optional) Filter on ES
static	(Optional) Static
local	(Optional) Local
bgp	(Optional) BGP
vxlan	(Optional) VXLAN
hmm	(Optional) HMM
arp	(Optional) ARP
ofa	(Optional) OFA
lisp	(Optional) lisp
topo-child-attr	(Optional) Filter on Topo child attr



<i>__readonly__</i>	(Optional)
TABLE_l2rib_producers	(Optional) L2RIB Producers Table
<i>prod-name</i>	(Optional) Producer Name
<i>prod-id</i>	(Optional) Producer ID
<i>client-id</i>	(Optional) Client ID
<i>obj-type</i>	(Optional) Object Type
<i>admin-dist</i>	(Optional) Admin Distance
<i>purge-time</i>	(Optional) Purge Time
<i>state</i>	(Optional) State
<i>prod-flags</i>	(Optional) Global Producer Flags

**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 | es | topo-child-attr } ] ] [ __readonly__ TABLE_l2rib_registrations <client-id> <topo-id>
<obj-type> <prod> ]
```

## Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
registrations	L2RIB Registrations
client	(Optional) Global Registraion Entries
<i>client_id</i>	(Optional) Enter Client ID
<i>topo_id</i>	(Optional) Enter Topology ID
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
es	(Optional) Filter on Ethernet Segment ID
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
arp-signal	(Optional) Filter on ARP Signal
topo	(Optional) Filter on Topo Subtype
topo-child-attr	(Optional) Filter on Topo Chil Attr
__readonly__	(Optional)
TABLE_l2rib_registrations	(Optional) L2RIB Registrations Table
<i>client-id</i>	(Optional) Client ID
<i>topo-id</i>	(Optional) Topology ID
<i>obj-type</i>	(Optional) Object Type
<i>prod</i>	(Optional) Producer

## Command Mode

- /exec

# show l2route cmcast topology

```
show l2route cmcast { topology <topo-id> | all } [ detail ] [ __readonly__ TABLE_l2route_cmcast <topo-id>
<src-ip-addr> <grp-ip-addr> <peer-ip-addr> [ <peer-type> ] [ <prod-type> ] [ <peer-id> ] [ <vrf-id> ] [
<l3vni-id> ] ]
```

## Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
cmcast	CMCAST Route
topology	Filter on topology ID
<i>topo-id</i>	topology ID
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_cmcast	(Optional) L2RIB CMCAST Table
<i>topo-id</i>	(Optional) Topology ID
<i>src-ip-addr</i>	(Optional) SRC IP Address
<i>grp-ip-addr</i>	(Optional) GRP IP Address
<i>peer-ip-addr</i>	(Optional) PEER IP Address
<i>peer-type</i>	(Optional) Peer Type
<i>prod-type</i>	(Optional) Producer Type
<i>peer-id</i>	(Optional) Peer ID
<i>vrf-id</i>	(Optional) VRF ID
<i>l3vni-id</i>	(Optional) L3VNI ID

## Command Mode

- /exec

# show l2route evpn ead all

```
show l2route evpn ead all [ detail ] [ __readonly__ TABLE_l2route_evpn_ead_all <topo-id> <prod> <esi>
<client-nfn> <flags> <num_pls> [ { <next-hop> } ] + ]
```

## Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ead	EAD
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_evpn_ead_all	(Optional) L2RIB EVPN EAD All Table
<i>topo-id</i>	(Optional) Topology ID
<i>prod</i>	(Optional) Producer
<i>esi</i>	(Optional) ESI
<i>client-nfn</i>	(Optional) Client Notification Bitmap
<i>num_pls</i>	(Optional) Number of Path lists
<i>flags</i>	(Optional) Flags
<i>next-hop</i>	(Optional) Next Hop

## Command Mode

- /exec

# show l2route evpn ethernet-segment esi

```
show l2route evpn ethernet-segment { esi <esi-id> | all } [ bgp | vxlan ] [ detail ] [ __readonly__
TABLE_l2route_es <ethernet-segment> <originating-rtr> <prod-name> <int-ifhdl> <client-nfn> ]
```

## Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ethernet-segment	Ethernet Segment ID
esi	ESI Value
<i>esi-id</i>	ESI ID
all	Display all entries without filtering
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
detail	(Optional) Detailed information
<i>__readonly__</i>	(Optional)
TABLE_l2route_es	(Optional) L2RIB ES Table
<i>ethernet-segment</i>	(Optional) ESI
<i>originating-rtr</i>	(Optional) Originating Router
<i>prod-name</i>	(Optional) Producer Name
<i>int-ifhdl</i>	(Optional) Interface Handle
<i>client-nfn</i>	(Optional) Client Notification Bitmap

## Command Mode

- /exec

# show l2route evpn fl all

```
show l2route evpn fl all [ detail ] [ __readonly__ TABLE_l2route_fl_all <topo-id> <peer-id> <flood-list>
<egress-vni> <is-service-node> [ <client-nfn> ] ]
```

## 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
__readonly__	(Optional)
TABLE_l2route_fl_all	(Optional) L2RIB Flood List All Table
<i>topo-id</i>	(Optional) Topology ID
<i>peer-id</i>	(Optional) Peer-ID
<i>flood-list</i>	(Optional) Flood List
<i>egress-vni</i>	(Optional) Egress VNI
<i>is-service-node</i>	(Optional) Is Service Node
<i>client-nfn</i>	(Optional) Client Notification Bitmap

## Command Mode

- /exec

# show l2route evpn fl evi

```
show l2route evpn fl evi <vpn-id> [ detail ] [ __readonly__ TABLE_l2route_fl <peer-id> <flood-list>
<egress-vni> <is-service-node> [ <client-nfn> ] ]
```

## 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
<i>__readonly__</i>	(Optional)
<i>TABLE_l2route_fl</i>	(Optional) L2RIB Flood List Table
<i>peer-id</i>	(Optional) Peer-ID
<i>flood-list</i>	(Optional) Flood List
<i>egress-vni</i>	(Optional) Egress VNI
<i>is-service-node</i>	(Optional) Is Service Node
<i>client-nfn</i>	(Optional) Client Notification Bitmap

## Command Mode

- /exec



# show l2route evpn imet all

```
show l2route evpn imet all [ detail ] [ __readonly__ TABLE_l2route_imet_all <topo-id> <vni> <prod-type>
<ip-addr> [ <eth-tag-id> ] [ <pmsi-flags> ] [ <flags> ] [ <type> ] [ <vni-label> ] [ <tunnel-id> ] [ <client-nfn>
]
```

## 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
__readonly__	(Optional)
TABLE_l2route_imet_all	(Optional) L2RIB IMET All Table
<i>topo-id</i>	(Optional) Topology ID
<i>vni</i>	(Optional) VNI
<i>prod-type</i>	(Optional) Producer Type
<i>ip-addr</i>	(Optional) IP Address
<i>eth-tag-id</i>	(Optional) Ethernet Tag ID
<i>pmsi-flags</i>	(Optional) PMSI Flags
<i>flags</i>	(Optional) Flags
<i>type</i>	(Optional) Type
<i>vni-label</i>	(Optional) VNI Label
<i>tunnel-id</i>	(Optional) Tunnel ID
<i>client-nfn</i>	(Optional) Client Notification Bitmap

## Command Mode

- /exec

# show l2route evpn imet evi

```
show l2route evpn imet evi <vpn-id> [ bgp | vxlan ] [ detail ] [ __readonly__ TABLE_l2route_imet <vni>
<prod-type> <ip-addr> [ <eth-tag-id> ] [ <pmsi-flags> ] [ <flags> ] [ <type> ] [ <vni-label> ] [ <tunnel-id>
] [ <client-nfn> ] ]
```

## 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
__readonly__	(Optional)
TABLE_l2route_imet	(Optional) L2RIB IMET Table
<i>vni</i>	(Optional) VNI
<i>prod-type</i>	(Optional) Producer Type
<i>ip-addr</i>	(Optional) IP Address
<i>eth-tag-id</i>	(Optional) Ethernet Tag ID
<i>pmsi-flags</i>	(Optional) PMSI Flags
<i>flags</i>	(Optional) Flags
<i>type</i>	(Optional) Type
<i>vni-label</i>	(Optional) VNI Label
<i>tunnel-id</i>	(Optional) Tunnel ID
<i>client-nfn</i>	(Optional) Client Notification Bitmap

## Command Mode

- /exec

## show l2route evpn mac-ip all

```
show l2route evpn mac-ip all [ detail ] [ __readonly__ TABLE_l2route_mac_ip_all <topo-id> <mac-addr>
<host-ip> <prod-type> <flags> <seq-num> <next-hop1> [ <next-hop2> ] [ <l3-info> ] [ <fwd-state> ] [
<rte-res> ] [ <sent-to> ] [ <peerid> ] [ <peer-ifindex> ] [ <esi-id> ] [ <soo> ] [ <pcinfo> ] [ <vrf-id> ] [
<encap-type> ] ]
```

### 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
__readonly__	(Optional)
TABLE_l2route_mac_ip_all	(Optional) L2RIB Mac-IP All Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>host-ip</i>	(Optional) Host IP
<i>prod-type</i>	(Optional) Producer Type
<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>l3-info</i>	(Optional) L3 Information
<i>fwd-state</i>	(Optional) Forwarding State
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>peerid</i>	(Optional) Peer ID
<i>peer-ifindex</i>	(Optional) Peer Interface Index
<i>esi-id</i>	(Optional) ESI ID

<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>vrf-id</i>	(Optional) vrf id associated with route
<i>encap-type</i>	(Optional) Overlay encap type

**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 ] [ __readonly__
TABLE_l2route_mac_ip_evi <topo-id> <mac-addr> <host-ip> <prod-type> <flags> <seq-num> <next-hop1>
[ <next-hop2> ] [ <l3-info> ] [ <fwd-state> ] [ <rte-res> ] [ <sent-to> ] [ <peerid> ] [ <peer-ifindex> ] [ <esi-id>
] [ <soo> ] [ <pcinfo> ] [ <vrf-id> ] [ <encap-type> ] ]
```

### 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
__readonly__	(Optional)
TABLE_l2route_mac_ip_evi	(Optional) L2RIB Mac-IP Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>host-ip</i>	(Optional) Host IP
<i>prod-type</i>	(Optional) Producer Type

<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>l3-info</i>	(Optional) L3 Information
<i>fwd-state</i>	(Optional) Forwarding State
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>peerid</i>	(Optional) Peer ID
<i>peer-ifindex</i>	(Optional) Peer Interface Index
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>vrf-id</i>	(Optional) vrf-id associated with route
<i>encap-type</i>	(Optional) Overlay encap type

**Command Mode**

- /exec

## show l2route evpn mac all

```
show l2route evpn mac all [ detail ] [ __readonly__ TABLE_l2route_mac_all <topo-id> <mac-addr>
<prod-type> <flags> <seq-num> <next-hop1> [ <next-hop2> ] [ <rte-res> ] [ <fwd-state> ] [ <res-pl-next-hop1>
] [ <res-pl-next-hop2> ] [ <sent-to> ] [ <esi-id> ] [ <soo> ] [ <pcinfo> ] [ <encap-type> ] ]
```

### 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
__readonly__	(Optional)
TABLE_l2route_mac_all	(Optional) L2RIB Mac All Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>prod-type</i>	(Optional) Producer Type
<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>fwd-state</i>	(Optional) Forwarding State
<i>res-pl-next-hop1</i>	(Optional) Resultant PL Next hop 1
<i>res-pl-next-hop2</i>	(Optional) Resultant PL Next hop 2
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>encap-type</i>	(Optional) Overlay encap type
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2

**Command Mode**

- /exec



## show l2route evpn mac evi

```
show l2route evpn mac evi <vpn-id> [ static | local | bgp | vxlan | lisp ] [ mac <mac_addr> ] [ next-hop {
<ipv4_addr> | <ipv6_addr> | <if-hdl> } ] [ esi <esi-id> ] [ detail ] [ __readonly__ TABLE_l2route_mac_evi
<topo-id> <mac-addr> <prod-type> <flags> <seq-num> <next-hop1> [ <next-hop2> ] [ <rte-res> ] [ <fwd-state>
] [ <res-pl-next-hop1> ] [ <res-pl-next-hop2> ] [ <sent-to> ] [ <esi-id> ] [ <soo> ] [ <pcinfo> ] [ <encap-type>
]
```

### 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
lisp	(Optional) Filter on LISP producer
mac	(Optional) Filter on MAC address
esi	(Optional) Filter on ESI value
<i>mac_addr</i>	(Optional) Enter 48-bit MAC address value
next-hop	(Optional) Filter on Next-Hop IP or Interface Name
<i>ipv4_addr</i>	(Optional) IPv4 address of Next Hop
<i>if-hdl</i>	(Optional) Interface index of Next Hop
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_evi	(Optional) L2RIB Mac EVI Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>prod-type</i>	(Optional) Producer Type

<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>fwd-state</i>	(Optional) Forwarding State
<i>res-pl-next-hop1</i>	(Optional) Resultant PL Next hop 1
<i>res-pl-next-hop2</i>	(Optional) Resultant PL Next hop 2
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>encap-type</i>	(Optional) Overlay encap-type

**Command Mode**

- /exec

# show l2route evpn path-list all

```
show l2route evpn path-list { all | esi <esi-id> } [ detail ] [ __readonly__ TABLE_l2route_evpn_pathlist_all
<topo-id> <prod> <esi> [ <ecmp_label> ] [ <evpn-flags> ] [ <client_ctx> ] <mac-cnt> <client-nfn> [ {
<cp-next-hop> } ] [ { <res-next-hop> } ] ]
```

## Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
path-list	Path-List
all	Display all routes without filtering
esi	ESI Value
<i>esi-id</i>	ESI ID
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_evpn_pathlist_all	(Optional) L2RIB EVPN Pathlist all Table
<i>topo-id</i>	(Optional) Topology ID
<i>prod</i>	(Optional) Producer
<i>esi</i>	(Optional) ESI
<i>ecmp_label</i>	(Optional) ECMP label
<i>evpn-flags</i>	(Optional) Flags
<i>client_ctx</i>	(Optional) Client context
<i>mac-cnt</i>	(Optional) Mac count
<i>client-nfn</i>	(Optional) Client Notification Bitmap
<i>cp-next-hop</i>	(Optional) Control plane Next hops
<i>res-next-hop</i>	(Optional) Resultant Next hops

## Command Mode

- /exec

# show l2route evpn startup-route all

```
show l2route evpn startup-route all [ detail ] [ __readonly__ TABLE_l2route_startup_route_all <topo-id>
<src-group> <del-src-group> [ <src-lpbk-ifhdl> ] [ <nve-ifhdl> ] [ <evpn-flags> ] [ <client-nfn> ] ]
```

## 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
__readonly__	(Optional)
TABLE_l2route_startup_route_all	(Optional) L2RIB Startup-Route All Table
<i>topo-id</i>	(Optional) Topology ID
<i>src-group</i>	(Optional) Source Group
<i>del-src-group</i>	(Optional) Delivery Source Group
<i>src-lpbk-ifhdl</i>	(Optional) Source Loopback Interface Handle
<i>nve-ifhdl</i>	(Optional) NVE Interface Handle
<i>evpn-flags</i>	(Optional) Flags
<i>client-nfn</i>	(Optional) Client Notification Bitmap

## Command Mode

- /exec

## show l2route evpn startup-route evi

```
show l2route evpn startup-route evi <vpn-id> [ detail ] [ __readonly__ TABLE_l2route_startup_route
<src-group> <del-src-group> [ <src-lpbk-ifhdl> ] [ <nve-ifhdl> ] [ <evpn-flags> ] [ <client-nfn> ] ]
```

### 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
<i>__readonly__</i>	(Optional)
TABLE_l2route_startup_route	(Optional) L2RIB Startup-Route Table
<i>src-group</i>	(Optional) Source Group
<i>del-src-group</i>	(Optional) Delivery Source Group
<i>src-lpbk-ifhdl</i>	(Optional) Source Loopback Interface Handle
<i>nve-ifhdl</i>	(Optional) NVE Interface Handle
<i>evpn-flags</i>	(Optional) Flags
<i>client-nfn</i>	(Optional) Client Notification Bitmap

### Command Mode

- /exec

## show l2route evpn topo-child-attr all

```
show l2route evpn topo-child-attr all [ detail ] [ __readonly__ TABLE_l2route_topo_child_attr <topo-id> [
<flags> ] [ <type> ] [ <l3vni> ] [ <vrf-id> ] ]
```

### Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
topo-child-attr	Topo Child Attr
all	Display all topo-child-attr entries
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_topo_child_attr	(Optional) L2RIB Topo Child Attr Table
<i>topo-id</i>	(Optional) Topology ID
<i>flags</i>	(Optional) Flags
<i>type</i>	(Optional) Type
<i>l3vni</i>	(Optional) L3VNI
<i>vrf-id</i>	(Optional) VRFID

### Command Mode

- /exec

## show l2route evpn topo-child-attr evi

```
show l2route evpn topo-child-attr evi <vpn-id> [ detail ] [ __readonly__ TABLE_l2route_topo_child_attr
<topo-id> [ <flags> ] [ <type> ] [ <l3vni> ] [ <vrf-id> ] ]
```

### Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
topo-child-attr	Topo Child Attr
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_topo_child_attr	(Optional) L2RIB Topo Child Attr Table
<i>topo-id</i>	(Optional) Topology ID
<i>flags</i>	(Optional) Flags
<i>type</i>	(Optional) Type
<i>l3vni</i>	(Optional) L3VNI
<i>vrf-id</i>	(Optional) VRFID

### Command Mode

- /exec

# show l2route fl topology

```
show l2route fl { topology <topo-id> | all } [ detail ] [ __readonly__ TABLE_l2route_fl [ <topo-id> ] <peer-id>
<flood-list> <egress-vni> <is-service-node> [ <client-nfn> ] ]
```

## Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
fl	Flood List
all	Display all routes without filtering
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information
<i>__readonly__</i>	(Optional)
TABLE_l2route_fl	(Optional) L2RIB Flood List Table
<i>topo-id</i>	(Optional) Topology ID
<i>peer-id</i>	(Optional) Peer-ID
<i>flood-list</i>	(Optional) Flood List
<i>egress-vni</i>	(Optional) Egress VNI
<i>is-service-node</i>	(Optional) Is Service Node
<i>client-nfn</i>	(Optional) Client Notification Bitmap

## Command Mode

- /exec



# show l2route peerid

show l2route peerid [ \_\_readonly\_\_ TABLE\_l2route\_peerid <if-hdl> <ip-addr> <peer-id> <if-idx> <num-macs> <num-nhs> ]

## Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
peerid	Display Peer ID DB
__readonly__	(Optional)
TABLE_l2route_peerid	(Optional) L2RIB Peer-ID Table
<i>if-hdl</i>	(Optional) Interface Handle
<i>ip-addr</i>	(Optional) IP Address
<i>if-idx</i>	(Optional) Peer Interface Index
<i>peer-id</i>	(Optional) Peer-ID
<i>num-macs</i>	(Optional) Number of Macs
<i>num-nhs</i>	(Optional) Number of NHs

## Command Mode

- /exec

# show l2route summary

```
show l2route summary [ __readonly__ { <total_memory> <numof_converged_tables> [ {
TABLE_l2route_summary <table_name> { TABLE_producer <producer_name> <id> <objects> <memory>
} <total><total_obj><total_mem> } ] } ]
```

## Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
summary	Summary
<i>__readonly__</i>	(Optional) Read only
<i>total_memory</i>	(Optional) Total memory
<i>numof_converged_tables</i>	(Optional) Number of converged tables
TABLE_l2route_summary	(Optional) L2route summary table
<i>table_name</i>	(Optional) Table name
TABLE_producer	(Optional) Producer table
<i>producer_name</i>	(Optional) Producer name
<i>id</i>	(Optional) id
<i>objects</i>	(Optional) objects
<i>memory</i>	(Optional) Memory

## Command Mode

- /exec

## show l2route topology

```
show l2route { mac | openflow mac | dataplane mac [ local | remote ] } { topology <topo-id> | all } [ detail ]
[ __readonly__ TABLE_l2route_mac <topo-id> <mac-addr> <prod-type> <flags> <seq-num> <next-hop1>
[ <next-hop2> ] [ <rte-res> ] [ <fwd-state> ] [ <res-pl-next-hop1> ] [ <res-pl-next-hop2> ] [ <sent-to> ] [
<esi-id> ] [ <soo> ] [ <pcinfo> ] [ <encap-type> ] ]
```

### Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
dataplane	dataplane
openflow	openflow
mac	MAC Route
all	Display all routes without filtering
local	(Optional) dataplane learnt local routes
remote	(Optional) dataplane learnt remote routes
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information
<i>__readonly__</i>	(Optional)
TABLE_l2route_mac	(Optional) L2RIB Mac All Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>prod-type</i>	(Optional) Producer Type
<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>fwd-state</i>	(Optional) Forwarding State
<i>res-pl-next-hop1</i>	(Optional) Resultant PL Next hop1
<i>res-pl-next-hop2</i>	(Optional) Resultant PL Next hop2

<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>encap-type</i>	(Optional) Overlay encap type

**Command Mode**

- /exec

# show l2route topology

```
show l2route topology [ <topo_id> ] [ detail ] [ __readonly__ TABLE_l2route_topology <topo-id> <topo-name>
<topo-type> [ <vni> ] [ <evi> ] [ <encap-type> ] [ <iod> ] [ <if-hdl> ] [ <vtep-ip> ] [ <emulated-ip> ] [
<emulated-ro-ip> ] [ <tx-id> ] [ <rcvd-flag> ] [ <rmac> ] [ <vrf-id> ] [ <vmac> ] [ <vmac-ro> ] [ <flags> ] [
<sub-flags> ] [ <prev-flags> ] ]
```

## 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
<i>__readonly__</i>	(Optional)
TABLE_l2route_topology	(Optional) L2RIB Topology Table
<i>topo-id</i>	(Optional) Topology ID
<i>topo-name</i>	(Optional) Topology Name
<i>topo-type</i>	(Optional) Topology Type
<i>vni</i>	(Optional) VNI
<i>evi</i>	(Optional) EVI
<i>encap-type</i>	(Optional) Encap Type
<i>iod</i>	(Optional) IOD
<i>if-hdl</i>	(Optional) Interface Handle
<i>vtep-ip</i>	(Optional) VTEP IP Address
<i>emulated-ip</i>	(Optional) Emulated VTEP IP Address
<i>emulated-ro-ip</i>	(Optional) Emulated RO VTEP IP Address
<i>tx-id</i>	(Optional) Transaction ID for Topology Ack
<i>rcvd-flag</i>	(Optional) Flag to Indicate Topology Ack
<i>rmac</i>	(Optional) Local Router MAC (For L3 VNIs)
<i>vrf-id</i>	(Optional) VRF ID (For L3 VNIs)
<i>vmac</i>	(Optional) Local Virtual MAC (For L3 VNIs)

<i>vmac-ro</i>	(Optional) Local Virtual MAC Re-Orig(For Multi-site)
<i>flags</i>	(Optional) Flags
<i>sub-flags</i>	(Optional) Sub Flags
<i>prev-flags</i>	(Optional) Previous Flags

**Command Mode**

- /exec

# show l2route topology

```
show l2route { mac-ip | openflow mac-ip } { topology <topo-id> | all } [ detail ] [ __readonly__
TABLE_l2route_mac_ip <topo-id> <mac-addr> <host-ip> <prod-type> <flags> <seq-num> <next-hop1> [
<next-hop2> ] [ <l3-info> ] [ <fwd-state> ] [ <rte-res> ] [ <sent-to> ] [ <peerid> ] [ <peer-ifindex> ] [ <esi-id>
] [ <soo> ] [ <pcinfo> ] [ <vrf-id> ] [ <encap-type> ] ]
```

## Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
mac-ip	MAC-IP Route
all	Display all routes without filtering
openflow	openflow
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_ip	(Optional) L2RIB Mac-IP Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>host-ip</i>	(Optional) Host IP
<i>prod-type</i>	(Optional) Producer Type
<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>l3-info</i>	(Optional) L3 Information
<i>fwd-state</i>	(Optional) Forwarding State
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>peerid</i>	(Optional) Peer ID

<i>peer-ifindex</i>	(Optional) Peer Interface Index
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>vrf-id</i>	(Optional) vrf-id associated with route
<i>encap-type</i>	(Optional) Ovaerlay encap type

**Command Mode**

- /exec



# show lacp counters

```
show lacp counters [ interface <if0> ] [ detail ] [ __readonly__ TABLE_interface <interface> TABLE_member
<port> <pdu-sent> <pdu-rcvd> <marker-rcvd> <marker-resp-sent> [ <marker-sent> ] [ <marker-resp-rcvd>
] <pkt-errors> [ <pdu-timeout-count> ] [ <flap-count> ] [ <illegal-rcvd> ] [ <unknown-rcvd> ] ]
```

## Syntax Description

show	Show running system information
lacp	LACP protocol
counters	LACP counters
interface	(Optional) Specify a port-channel
detail	(Optional) For more counters
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_interface	(Optional) Port channel table
<i>interface</i>	(Optional) Port channel
TABLE_member	(Optional) Member port info
<i>port</i>	(Optional) Member port
<i>pdu-sent</i>	(Optional) Number of PDUs sent
<i>pdu-rcvd</i>	(Optional) Number of PDUs received
<i>marker-sent</i>	(Optional) Number of Marker PDUs sent
<i>marker-rcvd</i>	(Optional) Number of Marker PDUs received
<i>marker-resp-sent</i>	(Optional) Number of Marker response PDUs sent
<i>marker-resp-rcvd</i>	(Optional) Number of Marker response PDUs received
<i>pkt-errors</i>	(Optional) Number of packet errors
<i>illegal-rcvd</i>	(Optional) Number of illegal packets received
<i>unknown-rcvd</i>	(Optional) Number of unknown packets received
<i>pdu-timeout-count</i>	(Optional) Number of PDU timeouts
<i>flap-count</i>	(Optional) Number of flaps

## Command Mode

- /exec

## show lacp interface

```
show lacp interface [ <if0> ] [ __readonly__ { TABLE_lacp_intf <interface> <operational-state>
<channel-group> <port-channel> <pbus-sent> <pbus-rcvd> <marker-sent> <marker-rcvd> <marker-resp-sent>
<marker-resp-rcvd> <unknown-rcvd> <illegal-rcvd> <lag-id> <active-time> { localport <local-interface>
<local-mac-address> <local-system-priority> <local-port-priority> <local-port-num> <local-op-key>
<local-activity> <local-timeout> <local-sync> <local-collecting> <local-distributing> <partner-info-timeout>
<local-admin-state> <local-oper-state> } { partnerport <partner-interface> <partner-mac-address>
<partner-system-priority> <partner-port-priority> <partner-port-num> <partner-op-key> <partner-activity>
<partner-timeout> <partner-sync> <partner-collecting> <partner-distributing> <partner-admin-state>
<partner-oper-state> } <agg-or-indiv> } ]
```

### Syntax Description

show	Show running system information
lacp	LACP protocol
interface	Specify a interface
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_lacp_intf	(Optional) Table of LACP interfaces
<i>interface</i>	(Optional) Interface ID
<i>channel-group</i>	(Optional) Channel Group
<i>port-channel</i>	(Optional) Port Channel
<i>lag-id</i>	(Optional) LAG Id
<i>active-time</i>	(Optional) active-time
<i>operational-state</i>	(Optional) Operational State
<i>agg-or-indiv</i>	(Optional) Aggregate or individual port
<i>pbus-rcvd</i>	(Optional) PDUs received
<i>pbus-sent</i>	(Optional) PDUs sent
<i>marker-rcvd</i>	(Optional) Markers received
<i>marker-sent</i>	(Optional) Markers sent
<i>marker-resp-rcvd</i>	(Optional) Marker response received
<i>marker-resp-sent</i>	(Optional) Marker response sent
<i>unknown-rcvd</i>	(Optional) Unknown pdus received

<i>illegal-rcvd</i>	(Optional) Illegal pdus received
<i>localport</i>	(Optional) Local port information
<i>local-interface</i>	(Optional) Interface
<i>local-mac-address</i>	(Optional) MAC Address
<i>local-system-priority</i>	(Optional) System Priority
<i>local-port-priority</i>	(Optional) Port Priority
<i>local-port-num</i>	(Optional) Port Number
<i>local-op-key</i>	(Optional) Operational Key
<i>local-admin-state</i>	(Optional) Local Admin State
<i>local-oper-state</i>	(Optional) Local Oper State
<i>local-activity</i>	(Optional) Mode
<i>local-timeout</i>	(Optional) Timeout
<i>local-sync</i>	(Optional) Synchronization
<i>local-distributing</i>	(Optional) Distributing
<i>local-collecting</i>	(Optional) Collecting
<i>partner-info-timeout</i>	(Optional) Partner information refresh timeout
<i>partnerport</i>	(Optional) Partner port information
<i>partner-interface</i>	(Optional) Partner Interface
<i>partner-mac-address</i>	(Optional) Partner MAC Address
<i>partner-system-priority</i>	(Optional) Partner System Priority
<i>partner-port-priority</i>	(Optional) Partner Port Priority
<i>partner-port-num</i>	(Optional) Partner Port Number
<i>partner-op-key</i>	(Optional) Operational Key
<i>partner-admin-state</i>	(Optional) Partner Admin State
<i>partner-oper-state</i>	(Optional) Partner Oper State
<i>partner-activity</i>	(Optional) Mode
<i>partner-timeout</i>	(Optional) Timeout
<i>partner-sync</i>	(Optional) Synchronization
<i>partner-distributing</i>	(Optional) Distributing

<i>partner-collecting</i>	(Optional) Collecting
---------------------------	-----------------------

**Command Mode**

- /exec

# show lacp issu-impact

```
show lacp issu-impact [ __readonly__ TABLE_interface <interface> [ <failed_interface> ] [ <intf_issu_ready> ] ]
```

## Syntax Description

show	Show running system information
lacp	Show LACP information
issu-impact	Check for ISSU readiness
__readonly__	(Optional)
TABLE_interface	(Optional) Port-channel issu-impact member list
<i>interface</i>	(Optional) Port-channel Member
<i>failed_interface</i>	(Optional) ISSU failed interface
<i>intf_issu_ready</i>	(Optional) interfaces ready for issu

## Command Mode

- /exec

# show lacp neighbor

```
show lacp neighbor [ interface <if0> ] [ __readonly__ TABLE_interface <interface> TABLE_member <port>
<partner-system-id> <partner-port-num> <partner-age> <partner-flags> <partner-port-priority>
<partner-oper-key> <partner-port-state> ]
```

## Syntax Description

show	Show running system information
lacp	LACP protocol
neighbor	LACP interface neighbor
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional)
<i>TABLE_interface</i>	(Optional) Port channel table
<i>interface</i>	(Optional) Port channel
<i>TABLE_member</i>	(Optional) Member port info
<i>port</i>	(Optional) Member port
<i>partner-system-id</i>	(Optional) Partner System ID
<i>partner-port-num</i>	(Optional) Partner Port Number
<i>partner-age</i>	(Optional) Partner age
<i>partner-flags</i>	(Optional) Partner flags
<i>partner-port-priority</i>	(Optional) Partner Port Priority
<i>partner-oper-key</i>	(Optional) Partner oper key
<i>partner-port-state</i>	(Optional) Partner port state

## Command Mode

- /exec

# show lacp port-channel

```
show lacp port-channel [ interface <if0> ] [ __readonly__ TABLE _interface <interface> <aggr-mac-address>
<local-system-priority> <local-system-id> <local-admin-key> <local-oper-key> <partner-system-priority>
<partner-system-id> <partner-oper-key> <max-delay> <agg-or-indiv> { <port-list> } + ]
```

## 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)
<i>__readonly__</i>	(Optional)
<i>TABLE _interface</i>	(Optional) Port channel table
<i>interface</i>	(Optional) Port channel
<i>aggr-mac-address</i>	(Optional) Mac Address of aggregator
<i>local-system-priority</i>	(Optional) Local System Priority
<i>local-system-id</i>	(Optional) Local System-Id
<i>local-admin-key</i>	(Optional) Local admin key
<i>local-oper-key</i>	(Optional) Local oper key
<i>partner-system-priority</i>	(Optional) Partner System Priority
<i>partner-system-id</i>	(Optional) Partner System-Id
<i>partner-oper-key</i>	(Optional) Partner oper key
<i>max-delay</i>	(Optional) Maximum delay between aggregator and mac-client
<i>agg-or-indiv</i>	(Optional) Aggregate or individual port
<i>port-list</i>	(Optional) List of port names for member ports

## Command Mode

- /exec

# show lacp system-identifier

show lacp system-identifier [ \_\_readonly\_\_ <system-priority> <system-mac> ]

## Syntax Description

show	Show running system information
lacp	LACP protocol
system-identifier	Show system-identifier information
__readonly__	(Optional)
<i>system-priority</i>	(Optional) System priority
<i>system-mac</i>	(Optional) System mac address

## Command Mode

- /exec



## show lcnd dot1x address

show lcnd dot1x address { <macaddr> | all }

### Syntax Description

show	Show running system information
lcnd	LCND information
dot1x	Dot1x information
address	Address in lcnd auth_db
<i>macaddr</i>	MAC address
all	Display all addresses in lcnd auth_db

### Command Mode

- /exec

# show lcmd dot1x port

show lcmd dot1x port <portnum>

## Syntax Description

show	Show running system information
lcmd	LCND information
dot1x	Dot1x information
port	Port number
<i>portnum</i>	Port number

## Command Mode

- /exec

# show lcmd stats interface

show lcmd stats interface <interface>

## Syntax Description

show	Show running system information
lcmd	lcmd
stats	statistics
interface	get interface related stats at lcmd level
<i>interface</i>	Interface name to display

## Command Mode

- /exec

# show ldap-search-map

```
show ldap-search-map [ __readonly__ { number_of_search_maps <search_map_count> } [
TABLE_ldap_searchmaps [ <map_name> <map_baseDN> <map_attr> <map_filter> ] ] ]
```

## Syntax Description

<i>__readonly__</i>	(Optional)
<i>number_of_search_maps</i>	(Optional) Total number of search maps configured
<i>search_map_count</i>	(Optional) Ldap Search map count
<i>TABLE_ldap_searchmaps</i>	(Optional) Ldap search map configuration
<i>map_name</i>	(Optional) Search map name
<i>map_baseDN</i>	(Optional) Ldap base DN
<i>map_attr</i>	(Optional) Search map attribute
<i>map_filter</i>	(Optional) Ldap Search filter
show	Show running system information
ldap-search-map	Show LDAP configuration information

## Command Mode

- /exec

## show ldap-server

```
show ldap-server [ __readonly__ { global_timeout <g_timeout> } { global_port <g_port> } { global_deadtime
<g_deadtime> } { total_number_of_server <g_servers_count> } { TABLE_ldap_hosts <ldap_host>
<h_idletime> <h_test_user> <h_test_passwd> [ <h_test_dn> ] <h_timeout> <h_port> <h_rootDN>
<h_ssl_enable> <h_referral_disable> } ]
```

### Syntax Description

<code>__readonly__</code>	(Optional)
<code>TABLE_ldap_hosts</code>	(Optional) Ldap host configuration
<code>global_timeout</code>	(Optional) Ldap host global timeout
<code>global_port</code>	(Optional) Ldap host global port
<code>global_deadtime</code>	(Optional) Ldap host global deadtime
<code>total_number_of_server</code>	(Optional) Total number of ldap hosts configured
<code>g_servers_count</code>	(Optional) Total number of ldap hosts configured
<code>g_timeout</code>	(Optional) global timeout value
<code>g_port</code>	(Optional) Global ldap port
<code>g_deadtime</code>	(Optional) Global deadtime value
<code>ldap_host</code>	(Optional) Ldap host
<code>h_idletime</code>	(Optional) Ldap host idletime
<code>h_test_user</code>	(Optional) Ldap host testuser
<code>h_test_passwd</code>	(Optional) Ldap host password
<code>h_test_dn</code>	(Optional) Ldap testuser dn
<code>h_timeout</code>	(Optional) Ldap host timeout
<code>h_port</code>	(Optional) Ldap host port
<code>h_rootDN</code>	(Optional) Ldap host RootDN
<code>h_ssl_enable</code>	(Optional) Ldap host ssl configuration
<code>h_referral_disable</code>	(Optional) Ldap host referral chasing disable
<code>show</code>	Show running system information
<code>ldap-server</code>	Show LDAP configuration information

### Command Mode

- /exec

## show ldap-server groups

```
show ldap-server groups [ __readonly__ { total_number_of_groups <total_groups_count> } { TABLE_groups
<g_name> <g_vrf> <g_mode> <is_bind_and_search> <g_append_with_baseDN> <g_compare_or_bind>
<g_cmp_passwd_attr> [ <user-server-group> ] [ <Cert-DN-match> ] <auth_mechanism> [ TABLE_g_servers
<g_server> <g_port> <g_timeout> ] [ <g_search_map> ] } ]
```

### Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information
groups	Show LDAP server group configuration information
<i>__readonly__</i>	(Optional)
<i>total_number_of_groups</i>	(Optional) Total number of Ldap groups configured
<i>total_groups_count</i>	(Optional) Ldap group count
TABLE_groups	(Optional) LDAP Group information
<i>g_name</i>	(Optional) Ldap group name
<i>g_vrf</i>	(Optional) LDAP group vrf
<i>g_mode</i>	(Optional) LDAP group mode
<i>is_bind_and_search</i>	(Optional) Ldap Authentication bind or search
<i>g_append_with_baseDN</i>	(Optional) LDAP baseDN append information
<i>g_compare_or_bind</i>	(Optional) LDAP bind or compare
<i>g_cmp_passwd_attr</i>	(Optional) LDAP compare password attribute
<i>user-server-group</i>	(Optional) Ldap server group validation
<i>Cert-DN-match</i>	(Optional) Ldap group CERT-DN match
<i>auth_mechanism</i>	(Optional) Ldap server group authentication mechanism
TABLE_g_servers	(Optional) LDAP group server information
<i>g_server</i>	(Optional) LDAP group host
<i>g_port</i>	(Optional) LDAP group host port
<i>g_timeout</i>	(Optional) LDAP griup host timeout
<i>g_search_map</i>	(Optional) LDAP group search map

### Command Mode

- /exec



## show ldap-server statistics

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

### Syntax Description

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

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

**Command Mode**

- /exec

# show license

```
show license [ __readonly__ { [ <lic_file_name> <lic_file_contents> ] + } ]
```

## Syntax Description

show	Show running system information
license	show the contents of all the license files
<i>__readonly__</i>	(Optional) Read only
<i>lic_file_name</i>	(Optional) Name of the license file
<i>lic_file_contents</i>	(Optional) License file contents

## Command Mode

- /exec

## show license all

```
show license all [ __readonly__ { utility_info <utility_status> } { smart_status_info <smart_status> } {
data_privacy_info <sending_hostname> <callhome_hostname> <license_hostname> <version_privacy> } {
smart_transport_info <transport_type> [ { transport_info [ <transport_url> ] [ <cslu_address> ] } ] [ proxy_info
[ <proxy_address> ] [ <proxy_port> ] [ <proxy_status> ] ] } { miscellaneous <custom_id> } { policy_info [
<policy_in_use> ] [ <policy_install_time> ] [ <policy_install_name> <reporting_ack_req> {
TABLE_policy_attr_info <policy_attr_name> <first_report_req> <first_report_req_type>
<ongoing_reporting_req> <ongoing_reporting_req_type> <on_change_reporting>
<on_change_reporting_req_type> } } { usage_reporting_info <last_ack_received> <next_ack_deadline>
<reporting_push_interval> <next_ack_push_check> <next_report_push> <last_report_push>
<last_report_file_write> } } { trust_code_info <trust_code_installed_time> [ TABLE_ha_trust_code_info
<ha_role_name> <ha_udi_pid> <ha_udi_sn> <ha_trust_code_installed_time> ] } [ TABLE_smart_feat_info
{ <feature_name> <description> <count> <version> <status> <enforcement_type> <license_type> } ] {
local_udi [ <local_pid> ] <local_sn> } [ TABLE_udiList <role> <pid> <sn> ] { smart_version <version> }
]
```

### Syntax Description

show	Show running system information
license	Show the contents of all the license files
all	All Smart license agent information
<i>__readonly__</i>	(Optional) Read only
<i>utility_info</i>	(Optional)
<i>utility_status</i>	(Optional) Utility status
<i>smart_status_info</i>	(Optional)
<i>smart_status</i>	(Optional) Smart status
<i>data_privacy_info</i>	(Optional)
<i>sending_hostname</i>	(Optional) Sending hostname
<i>callhome_hostname</i>	(Optional) Callhome hostname privacy
<i>license_hostname</i>	(Optional) License hostname privacy
<i>version_privacy</i>	(Optional) Version privacy
<i>smart_transport_info</i>	(Optional)
<i>transport_type</i>	(Optional) Transport type
<i>transport_info</i>	(Optional)
<i>transport_url</i>	(Optional) Transport URL
<i>cslu_address</i>	(Optional) CSLU Address

<i>proxy_info</i>	(Optional)
<i>proxy_address</i>	(Optional) Proxy address
<i>proxy_port</i>	(Optional) Proxy port
<i>proxy_status</i>	(Optional) Proxy status
<i>miscellaneous</i>	(Optional)
<i>custom_id</i>	(Optional) Custom id
<i>policy_info</i>	(Optional)
<i>policy_in_use</i>	(Optional) Policy in use Installed case
<i>policy_install_time</i>	(Optional) Policy install time
<i>policy_install_name</i>	(Optional) Policy installed name
<i>reporting_ack_req</i>	(Optional) Reporting ACK required
TABLE_policy_attr_info	(Optional) Policy attribute info
<i>policy_attr_name</i>	(Optional) Policy attribute name
<i>first_report_req</i>	(Optional) First report requirement in days
<i>first_report_req_type</i>	(Optional) First report req type
<i>ongoing_reporting_req</i>	(Optional) Ongoing reporting frequency in days
<i>ongoing_reporting_req_type</i>	(Optional) Ongoing reporting req type
<i>on_change_reporting</i>	(Optional) On change reporting in days
<i>on_change_reporting_req_type</i>	(Optional) On change reporting req type
<i>usage_reporting_info</i>	(Optional)
<i>last_ack_received</i>	(Optional) Last ACK received
<i>next_ack_deadline</i>	(Optional) Next ACK deadline
<i>reporting_push_interval</i>	(Optional) Reporting push interval
<i>next_ack_push_check</i>	(Optional) Next ACK push check
<i>next_report_push</i>	(Optional) Next report push
<i>last_report_push</i>	(Optional) Last report push
<i>last_report_file_write</i>	(Optional) Last report file write
<i>trust_code_info</i>	(Optional)
<i>trust_code_installed_time</i>	(Optional) Trust code installed time

TABLE_ha_trust_code_info	(Optional) Trust code info
<i>ha_role_name</i>	(Optional) HA role name
<i>ha_udi_pid</i>	(Optional) HA UDI PID
<i>ha_udi_sn</i>	(Optional) HA UDI SN
<i>ha_trust_code_installed_time</i>	(Optional) HA trust code installed time
TABLE_smart_feat_info	(Optional)
<i>feature_name</i>	(Optional)
<i>description</i>	(Optional)
<i>version</i>	(Optional)
<i>count</i>	(Optional)
<i>status</i>	(Optional)
<i>enforcement_type</i>	(Optional) Enforcement type
<i>license_type</i>	(Optional) license type
local_udi	(Optional) Local device information
<i>local_pid</i>	(Optional) Local product identifier
<i>local_sn</i>	(Optional) Device serial number
TABLE_udiList	(Optional) All device identifiers
<i>role</i>	(Optional) Device role
<i>pid</i>	(Optional) Device product identifier
<i>sn</i>	(Optional) Device serial number
smart_version	(Optional) smart version
<i>version</i>	(Optional) smart version

### Command Mode

- /exec

## show license certs

```
show license certs [ __readonly__ { <production_cert> } [ <piid> ] [ TABLE_smart_cert_info { <cert_name>
<start_date> <expiry_date> <version_num> <serial_num> <common_name> } ] [ <sudi_list> ] ]
```

### Syntax Description

show	Show running system information
license	Show the contents of all the license files
certs	Smart License certificates
<i>__readonly__</i>	(Optional) Read only
<i>production_cert</i>	(Optional) Production cert value
<i>piid</i>	(Optional) Certificate piid
TABLE_smart_cert_info	(Optional)
<i>cert_name</i>	(Optional) Certificate name
<i>start_date</i>	(Optional) Certificate start date
<i>expiry_date</i>	(Optional) Certificate expiry date
<i>version_num</i>	(Optional) Certificate version number
<i>serial_num</i>	(Optional) Certificate serial number
<i>common_name</i>	(Optional) Certificate common name
<i>sudi_list</i>	(Optional) Sudi llist info

### Command Mode

- /exec

# show license data conversion

show license data conversion

## Syntax Description

show	Show running system information
license	Show the contents of all the license files
data	Show data for device led conversions
conversion	Smart license conversion related commands

## Command Mode

- /exec



# show license eventlog

show license eventlog

## Syntax Description

show	Show running system information
license	Show the contents of all the license files
eventlog	Event log

## Command Mode

- /exec

# show license history message

show license history message

## Syntax Description

show	Show running system information
license	Show the contents of all the license files
history	Show license history information
message	Show license messaging history information

## Command Mode

- /exec

# show license host-id

```
show license host-id [ __readonly__ { <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
__readonly__	(Optional) Read only
<i>host_id</i>	(Optional) unique id for this host for licensing

## Command Mode

- /exec

## show license status

```
show license status [ __readonly__ { utility_info <utility_status> } { smart_status_info <smart_status> } {
data_privacy_info <sending_hostname> <callhome_hostname> <license_hostname> <version_privacy> } {
smart_transport_info <transport_type> [ { transport_info [ <transport_url> ] [ <cslu_address> ] } ] [ proxy_info
[ <proxy_address> ] [ <proxy_port> ] [ <proxy_status> ] ] } { policy_info [ <policy_in_use> ] [
<policy_install_time> ] <policy_install_name> <reporting_ack_req> { TABLE_policy_attr_info
<policy_attr_name> <first_report_req> <first_report_req_type> <ongoing_reporting_req>
<ongoing_reporting_req_type> <on_change_reporting> <on_change_reporting_req_type> } } { miscellaneous
<custom_id> } { usage_reporting_info <last_ack_received> <next_ack_deadline> <reporting_push_interval>
<next_ack_push_check> <next_report_push> <last_report_push> <last_report_file_write> } { trust_code_info
<trust_code_installed_time> [ TABLE_ha_trust_code_info <ha_role_name> <ha_udi_pid> <ha_udi_sn>
<ha_trust_code_installed_time> ] } ] }
```

### Syntax Description

show	Show running system information
license	Show the contents of all the license files
status	Smart license agent status
<i>__readonly__</i>	(Optional) Read only
<i>utility_info</i>	(Optional)
<i>utility_status</i>	(Optional) Utility status
<i>smart_status_info</i>	(Optional)
<i>smart_status</i>	(Optional) Smart_status
<i>data_privacy_info</i>	(Optional)
<i>sending_hostname</i>	(Optional) Sending hostname
<i>callhome_hostname</i>	(Optional) Callhome hostname privacy
<i>license_hostname</i>	(Optional) License hostname privacy
<i>version_privacy</i>	(Optional) Version privacy
<i>smart_transport_info</i>	(Optional)
<i>transport_type</i>	(Optional) Transport type
<i>transport_info</i>	(Optional)
<i>transport_url</i>	(Optional) Transport URL
<i>cslu_address</i>	(Optional) CSLU Address
<i>proxy_info</i>	(Optional)

<i>proxy_address</i>	(Optional) Proxy address
<i>proxy_port</i>	(Optional) Proxy port
<i>proxy_status</i>	(Optional) Proxy status
<i>policy_info</i>	(Optional)
<i>policy_in_use</i>	(Optional) Policy in use Installed case
<i>policy_install_time</i>	(Optional) Policy install time
<i>policy_install_name</i>	(Optional) Policy installed name
<i>reporting_ack_req</i>	(Optional) Reporting ACK required
TABLE_policy_attr_info	(Optional) Policy attribute info
<i>policy_attr_name</i>	(Optional) Policy attribute name
<i>first_report_req</i>	(Optional) First report requirement in days
<i>first_report_req_type</i>	(Optional) First report req type
<i>ongoing_reporting_req</i>	(Optional) Ongoing reporting frequency in days
<i>ongoing_reporting_req_type</i>	(Optional) Ongoing reporting req type
<i>on_change_reporting</i>	(Optional) On change reporting in days
<i>on_change_reporting_req_type</i>	(Optional) On change reporting req type
miscellaneous	(Optional)
<i>custom_id</i>	(Optional) Custom id
usage_reporting_info	(Optional)
<i>last_ack_received</i>	(Optional) Last ACK received
<i>next_ack_deadline</i>	(Optional) Next ACK deadline
<i>reporting_push_interval</i>	(Optional) Reporting push interval
<i>next_ack_push_check</i>	(Optional) Next ACK push check
<i>next_report_push</i>	(Optional) Next report push
<i>last_report_push</i>	(Optional) Last report push
<i>last_report_file_write</i>	(Optional) Last report file write
trust_code_info	(Optional)
<i>trust_code_installed_time</i>	(Optional) Trust code installed time
TABLE_ha_trust_code_info	(Optional) Trust code info

<i>ha_role_name</i>	(Optional) HA role name
<i>ha_udi_pid</i>	(Optional) HA UDI PID
<i>ha_udi_sn</i>	(Optional) HA UDI SN
<i>ha_trust_code_installed_time</i>	(Optional) HA trust code installed time

**Command Mode**

- /exec

# show license summary

```
show license summary [ __readonly__ [ TABLE_smart_feat_info { <license_name> <feature_name> <count> <status> } ] ]
```

## Syntax Description

<code>show</code>	Show running system information
<code>license</code>	Show the contents of all the license files
<code>summary</code>	Smart license agent summary
<code>__readonly__</code>	(Optional) Read only
<code>TABLE_smart_feat_info</code>	(Optional)
<code>license_name</code>	(Optional) License name
<code>feature_name</code>	(Optional) Feature name
<code>count</code>	(Optional) Feature usage count
<code>status</code>	(Optional) Feature status

## Command Mode

- /exec

# show license tech support

show license tech support

## Syntax Description

show	Show running system information
license	Show the contents of all the license files
tech	Gather information for troubleshooting
support	Gather information for troubleshooting

## Command Mode

- /exec



# show license tech support

show license tech support

## Syntax Description

show	show commands
license	Display licensing information
tech	Gather information for troubleshooting
support	Gather information for troubleshooting

## Command Mode

- /exec

# show license udi

```
show license udi [ __readonly__ { local_udi [ <local_pid> ] <local_sn> } [ TABLE_udiList <role> <pid>
<sn> ] ]
```

## Syntax Description

show	Show running system information
license	Show the contents of all the license files
udi	device udi
__readonly__	(Optional) Read only
local_udi	(Optional) Local device information
<i>local_pid</i>	(Optional) Local product identifier
<i>local_sn</i>	(Optional) Device serial number
TABLE_udiList	(Optional) All device identifiers
<i>role</i>	(Optional) Device role
<i>pid</i>	(Optional) Device product identifier
<i>sn</i>	(Optional) Device serial number

## Command Mode

- /exec

# show license usage

```
show license usage [ { detail | <license-feature> } ] [ __readonly__ { [ [ TABLE_show_lic_usage {
<feature_name> <lic_installed> <count> <status> <expiry_date> <comments> } ] { [ <application_name> ]
+ } ] ] [ <auth_status> [ TABLE_show_smart_lic_usage { <smart_feature_name> <smart_description>
<smart_count> <smart_version> <smart_status> <enforcement_type> <license_type> } ] ] ] ]
```

## Syntax Description

show	Show running system information
license	show the contents of all the license files
usage	Show license usage table
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>license-feature</i>	(Optional) Show usage of this license package
<i>__readonly__</i>	(Optional) Read only
TABLE_show_lic_usage	(Optional) License usage
<i>feature_name</i>	(Optional) Name of the feature
<i>lic_installed</i>	(Optional) Is the license installed?
<i>count</i>	(Optional) License count
<i>status</i>	(Optional) License status
<i>expiry_date</i>	(Optional) Expiry date of the license
<i>comments</i>	(Optional) License comments
<i>application_name</i>	(Optional) Name of the application using the license
<i>auth_status</i>	(Optional) Brief about smart license usage
TABLE_show_smart_lic_usage	(Optional) Smart License usage
<i>smart_feature_name</i>	(Optional) Name of the feature
<i>smart_description</i>	(Optional) Description of the entitlement
<i>smart_count</i>	(Optional) License count
<i>smart_version</i>	(Optional) License version
<i>smart_status</i>	(Optional) License status
<i>enforcement_type</i>	(Optional) Enforcement type
<i>license_type</i>	(Optional) License type

**Command Mode**

- /exec

# show license version

show license version [ \_\_readonly\_\_ { <version> } ]

## Syntax Description

show	Show running system information
license	Show the contents of all the license files
version	Smart License version
__readonly__	(Optional) Read only
<i>version</i>	(Optional) smart agent version info

## Command Mode

- /exec

# show line

```
show line [ __readonly__ <speed> <databits> <stopbits> <parity> <modem_in> <modem_init_str> <stat> [
TABLE_ps_output <ps> ] [ <speed_aux> <databits_aux> <stopbits_aux> <parity_aux> <modem_in_aux>
<modem_init_str_aux> <hw_fc_aux> <stat_aux> [ TABLE_ps_output_aux <ps_aux> ] ] ]
```

## Syntax Description

show	Show running system information
line	Show the line configuration
__readonly__	(Optional)
TABLE_ps_output	(Optional) Process info for console login
TABLE_ps_output_aux	(Optional) Process info for com1 login
<i>speed</i>	(Optional) Port speed(baud)
<i>databits</i>	(Optional) Bits per byte
<i>stopbits</i>	(Optional) Bits
<i>parity</i>	(Optional) Parity
<i>modem_in</i>	(Optional) Modem In
<i>modem_init_str</i>	(Optional) Modem Init-String
<i>stat</i>	(Optional) Statistics
<i>ps</i>	(Optional) Login process
<i>speed_aux</i>	(Optional) Port speed(baud)
<i>databits_aux</i>	(Optional) Bits per byte
<i>stopbits_aux</i>	(Optional) Bits
<i>parity_aux</i>	(Optional) Parity
<i>modem_in_aux</i>	(Optional) Modem In
<i>modem_init_str_aux</i>	(Optional) Modem Init-String
<i>hw_fc_aux</i>	(Optional) Hardware Flowcontrol
<i>stat_aux</i>	(Optional) Statistics
<i>ps_aux</i>	(Optional) Login process

## Command Mode

- /exec

# show line console

```
show line console [ __readonly__ <speed> <databits> <stopbits> <parity> <modem_in> <modem_init_str>
<stat> [ TABLE_ps_output <ps> ] ]
```

## Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
<i>__readonly__</i>	(Optional)
<i>TABLE_ps_output</i>	(Optional) Process info for console login
<i>speed</i>	(Optional) Port speed(baud)
<i>databits</i>	(Optional) Bits per byte
<i>stopbits</i>	(Optional) Bits
<i>parity</i>	(Optional) Parity
<i>modem_in</i>	(Optional) Modem In
<i>modem_init_str</i>	(Optional) Modem Init-String
<i>stat</i>	(Optional) Statistics
<i>ps</i>	(Optional) Login process

## Command Mode

- /exec

# show line console connected

show line console connected [ \_\_readonly\_\_ <output> ]

## 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
__readonly__	(Optional)
<i>output</i>	(Optional) output string

## Command Mode

- /exec



## show line console user-input-string

```
show line console user-input-string [ __readonly__ <input> ]
```

### 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
__readonly__	(Optional)
<i>input</i>	(Optional) user input string

### Command Mode

- /exec

# show lisp ddt

```
show lisp ddt [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

# show lisp ddt queue

```
show lisp ddt queue [ [ instance-id <iid> ] { <eid> | <eid6> } ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
queue	Display LISP-DDT Map-Request queue in Map-Resolver
instance-id	(Optional) Show instance-ID summary display
<i>iid</i>	(Optional) Instance-ID for EID-prefix
<i>eid</i>	(Optional) IPv4 EID address
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

# show lisp ddt referral-cache

```
{ show lisp ddt referral-cache [ [ instance-id <iid> ] { <eid> | <eid6> } ] [ vrf { <vrf-name> | <vrf-known-name> } ] } | { show lisp ddt referral-cache { ms-ack | ms-referral | node-referral | ms-not-registered | delegation-hole | not-authoritative } [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

## Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
referral-cache	Display LISP-DDT referral cache
instance-id	(Optional) Show instance-ID summary display
<i>iid</i>	(Optional) Instance-ID for EID-prefix
<i>eid</i>	(Optional) IPv4 EID address
ms-ack	Referral cache entries to map-servers
ms-referral	Referral cache entries from parent of map-servers
node-referral	Referral cache entries from parent of DDT-nodes
ms-not-registered	Referral cache entries from map-servers
delegation-hole	Referral cache entries from any DDT-node
not-authoritative	Referral cache entries from any DDT-node
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

# show lisp dynamic-eid

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

## Syntax Description

show	Show running system information
lisp	LISP show commands
dynamic-eid	Display dynamic-EIDs configured and discovered
summary	One-line summary display of discovered dynamic-EIDs
<i>dyn-eid-name</i>	(Optional) Display a single dynamic-EID
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
detail	(Optional) Display discovered dynamic-EIDs

## Command Mode

- /exec

# show lisp elp

```
show lisp elp [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

show	Show running system information
lisp	LISP show commands
elp	Display LISP Explicit Locator Paths configured
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

## show lisp negative-prefix

```
show lisp negative-prefix { <eid> | <eid6> } [ vrf { <vrf-name> | <vrf-known-name> } ]
```

### Syntax Description

show	Show running system information
lisp	LISP show commands
negative-prefix	Compute negative-prefix for hole in EID space
<i>eid</i>	IPv4 EID address
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

### Command Mode

- /exec

# show lisp proxy-itr

```
show lisp proxy-itr [ vrf { <vrf-name> | <vrf-known-name> } ]
```

## Syntax Description

show	Show running system information
lisp	LISP show commands
proxy-itr	Display discovered proxy-ITRs (PITRs)
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec



# show lisp site

```
{ show lisp site [ { { <eid> | <eid6> } [ instance-id <iid> ] } | { { <eid-prefix> | <eid-prefix6> } [ instance-id <iid> ] } | <site-name> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

## Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>eid</i>	(Optional) Display mapping for IP destination EID
<i>eid-prefix</i>	(Optional) Display exact match for IP EID-prefix entry
instance-id	(Optional) Instance EID-prefix registered in
<i>iid</i>	(Optional) Instance-ID value
<i>site-name</i>	(Optional) Display a single site
detail	(Optional) Display allowed registered locator sources

## Command Mode

- /exec

# show lisp site instance-id

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

## Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
instance-id	Show instance-ID summary display
<i>iid</i>	(Optional) Show detail for entries of a single Instance-ID
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

# show lldp all

```
show lldp all [ __readonly__ TABLE_lldp_all <intf_desc> <lldp_tx> <lldp_rx> <lldp_dcbx> ]
```

## Syntax Description

show	Show running system information
lldp	Show lldp Protocol information
all	Show all interfaces in lldp database
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_lldp_all</i>	(Optional) output of show lldp all
<i>intf_desc</i>	(Optional) Interface desc
<i>lldp_tx</i>	(Optional) lldp tx status
<i>lldp_rx</i>	(Optional) lldp rx status
<i>lldp_dcbx</i>	(Optional) lldp dcbx status

## Command Mode

- /exec

# show lldp dcbx interface

```
show lldp dcbx interface <if_in> [ __readonly__ <if_out> <cfg_proto> <det_proto> [ <l_op_ver> <l_max_ver>
<l_seq_no> <l_ack_no> ] [ <l_feature> <l_feat_len> <l_cfg> ] + [ <p_op_ver> <p_max_ver> <p_seq_no>
<p_ack_no> ] [ <p_tlv_type> <p_tlv_ctrl> <p_tlv_len> <p_tlv_value> ] + ]
```

## Syntax Description

show	Show running system information
lldp	Show information about lldp
dcbx	Show dcbx information
interface	Show lldp interface information
<i>if_in</i>	Enter interface
<i>__readonly__</i>	(Optional)
<i>if_out</i>	(Optional) Interface ID
<i>cfg_proto</i>	(Optional) Configured DCBX Protocol
<i>det_proto</i>	(Optional) DCBX Protocol detected
<i>l_op_ver</i>	(Optional) local dcbx control operation version
<i>l_max_ver</i>	(Optional) local dcbx control maximum version
<i>l_seq_no</i>	(Optional) local dcbx control seq no
<i>l_ack_no</i>	(Optional) local dcbx control ack no
<i>l_feature</i>	(Optional) local feature
<i>l_feat_len</i>	(Optional) Local Feature Length
<i>l_cfg</i>	(Optional) local feature config
<i>p_op_ver</i>	(Optional) peer dcbx control operation version
<i>p_max_ver</i>	(Optional) peer dcbx control maximum version
<i>p_seq_no</i>	(Optional) peer dcbx control seq no
<i>p_ack_no</i>	(Optional) peer dcbx control ack no
<i>p_tlv_type</i>	(Optional) peer TLV type field
<i>p_tlv_ctrl</i>	(Optional) peer TLV control info
<i>p_tlv_len</i>	(Optional) Peer TLV Length
<i>p_tlv_value</i>	(Optional) peer TLV value field

**Command Mode**

- /exec

# show lldp entry

```
show lldp entry [ <sys-name> ] [ __readonly__ { <neigh_hdr> } { TABLE_entry <chassis_type> <chassis_id>
<port_type> <port_id> <l_port_id> <port_desc> <sys_name> <sys_desc> <ttl> <capability>
<mgmt_addr_type> <mgmt_addr> <mgmt_addr_ipv6_type> <mgmt_addr_ipv6> <vlan_id> } { <neigh_count>
} ]
```

## 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
<i>__readonly__</i>	(Optional)
<i>neigh_hdr</i>	(Optional)
TABLE_entry	(Optional) Table Entry
<i>chassis_type</i>	(Optional) Chassis ID type
<i>chassis_id</i>	(Optional) Chassis ID
<i>port_type</i>	(Optional) Port ID type
<i>port_id</i>	(Optional) Port ID
<i>l_port_id</i>	(Optional) Port ID
<i>port_desc</i>	(Optional) Port description
<i>sys_name</i>	(Optional) System name
<i>sys_desc</i>	(Optional) System description
<i>ttl</i>	(Optional) Time to live
<i>capability</i>	(Optional) Capability
<i>mgmt_addr_type</i>	(Optional) Management Address type
<i>mgmt_addr</i>	(Optional) Management Address
<i>mgmt_addr_ipv6_type</i>	(Optional) IPV6 Management Address type
<i>mgmt_addr_ipv6</i>	(Optional) IPV6 Management Address
<i>vlan_id</i>	(Optional) Vlan ID
<i>neigh_count</i>	(Optional)

### Command Mode

- /exec

## show lldp interface

```
show lldp interface <if0> [ __readonly__ <interface> <tx_en> <rx_en> <dcbx_en> <port_mac> [ <tlv_type>
<tlv_len> [ <tlv_value> ] ] + [ <l_op_ver> <l_max_ver> <l_seq_no> <l_ack_no> [ <l_feature> <l_cfg_len>
<l_cfg> ] + ] [ <p_op_ver> <p_max_ver> <p_seq_no> <p_ack_no> [ <p_tlv_type> <p_tlv_len> <p_tlv_value>
] + ] ]
```

### Syntax Description

show	Show running system information
lldp	Show information about lldp
interface	Show lldp interface information
<i>if0</i>	Enter interface
<i>__readonly__</i>	(Optional)
<i>interface</i>	(Optional) Interface ID
<i>tx_en</i>	(Optional) tx enable
<i>rx_en</i>	(Optional) rx enable
<i>dcbx_en</i>	(Optional) dcbox enable
<i>port_mac</i>	(Optional) Port mac address
<i>tlv_type</i>	(Optional) TLV type field
<i>tlv_len</i>	(Optional) TLV len field
<i>tlv_value</i>	(Optional) TLV value field
<i>l_op_ver</i>	(Optional) local dcbox control operation version
<i>l_max_ver</i>	(Optional) local dcbox control maximum version
<i>l_seq_no</i>	(Optional) local dcbox control seq no
<i>l_ack_no</i>	(Optional) local dcbox control ack no
<i>l_feature</i>	(Optional) local feature
<i>l_cfg_len</i>	(Optional) local feature config length
<i>l_cfg</i>	(Optional) local feature config
<i>p_op_ver</i>	(Optional) peer dcbox control operation version
<i>p_max_ver</i>	(Optional) peer dcbox control maximum version
<i>p_seq_no</i>	(Optional) peer dcbox control seq no



<i>p_ack_no</i>	(Optional) peer dcbx control ack no
<i>p_tlv_type</i>	(Optional) peer TLV type field
<i>p_tlv_len</i>	(Optional) peer TLV len field
<i>p_tlv_value</i>	(Optional) peer TLV value field

**Command Mode**

- /exec

## show lldp neighbors

```
show lldp neighbors [ interface <if> ] [ __readonly__ { <neigh_hdr> } { TABLE_nbor <chassis_type>
<chassis_id> <l_port_id> <hold_time> [ <capability> ] <system_capability> <enabled_capability> <port_type>
<port_id> <mgmt_addr_type> <mgmt_addr> <mgmt_addr_ipv6_type> <mgmt_addr_ipv6> } { <neigh_count>
} ]
```

### 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
<i>__readonly__</i>	(Optional)
<i>neigh_hdr</i>	(Optional)
TABLE_nbor	(Optional) Neighbor Table
<i>chassis_type</i>	(Optional) Chassis ID type
<i>chassis_id</i>	(Optional) Chassis ID
<i>l_port_id</i>	(Optional) Local port ID
<i>hold_time</i>	(Optional) Hold time
<i>capability</i>	(Optional) Capability
<i>system_capability</i>	(Optional) System Capability
<i>enabled_capability</i>	(Optional) Enabled Capability
<i>port_type</i>	(Optional) Port ID type
<i>port_id</i>	(Optional) Port ID
<i>mgmt_addr_type</i>	(Optional) Management Address type
<i>mgmt_addr</i>	(Optional) Management Address
<i>mgmt_addr_ipv6_type</i>	(Optional) IPV6 Management Address type
<i>mgmt_addr_ipv6</i>	(Optional) IPV6 Management Address
<i>neigh_count</i>	(Optional)

### Command Mode

- /exec

## show lldp neighbors detail

```
show lldp neighbors [ interface <if> ] detail [ __readonly__ { <neigh_hdr> } { TABLE_nbor_detail
<chassis_type> <chassis_id> <port_type> <port_id> <l_port_id> <port_desc> <sys_name> <sys_desc> <ttl>
[ <capability> ] <system_capability> <enabled_capability> <mgmt_addr_type> <mgmt_addr>
<mgmt_addr_ipv6_type> <mgmt_addr_ipv6> <vlan_id> } { <neigh_count> } ]
```

### 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
<i>__readonly__</i>	(Optional)
<i>neigh_hdr</i>	(Optional)
TABLE_nbor_detail	(Optional) Neighbor detail Table
<i>chassis_type</i>	(Optional) Chassis ID type
<i>chassis_id</i>	(Optional) Chassis ID
<i>port_type</i>	(Optional) Port ID type
<i>port_id</i>	(Optional) Port ID
<i>l_port_id</i>	(Optional) Port ID
<i>port_desc</i>	(Optional) Port description
<i>sys_name</i>	(Optional) System name
<i>sys_desc</i>	(Optional) System description
<i>ttl</i>	(Optional) Time to live
<i>capability</i>	(Optional) Capability
<i>system_capability</i>	(Optional) System Capability
<i>enabled_capability</i>	(Optional) Enabled Capability
<i>mgmt_addr_type</i>	(Optional) Management Address type
<i>mgmt_addr</i>	(Optional) Management Address

<i>mgmt_addr_ipv6_type</i>	(Optional) IPV6 Management Address type
<i>mgmt_addr_ipv6</i>	(Optional) IPV6 Management Address
<i>vlan_id</i>	(Optional) Vlan ID
<i>neigh_count</i>	(Optional)

**Command Mode**

- /exec

# show lldp neighbors system-detail

```
show lldp neighbors [ interface <if> ] system-detail [ __readonly__ { <neigh_hdr> } { TABLE_nbor_sys_detail
<sys_type> <sys_name> <l_port_id> <chassis_type> <chassis_id> <port_type> <port_id> <ttl> <capability>
<mgmt_addr_type> <mgmt_addr> } { <neigh_count> } ]
```

## 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
<i>__readonly__</i>	(Optional)
<i>neigh_hdr</i>	(Optional)
TABLE_nbor_sys_detail	(Optional) Neighbor sys-detail Table
<i>sys_type</i>	(Optional) System Type
<i>sys_name</i>	(Optional) System Name
<i>l_port_id</i>	(Optional) Local port ID
<i>chassis_type</i>	(Optional) Chassis ID type
<i>chassis_id</i>	(Optional) Chassis ID
<i>port_type</i>	(Optional) Port ID type
<i>port_id</i>	(Optional) Port ID
<i>ttl</i>	(Optional) Time to live
<i>capability</i>	(Optional) Capability
<i>mgmt_addr_type</i>	(Optional) Management Address type
<i>mgmt_addr</i>	(Optional) Management Address
<i>neigh_count</i>	(Optional)

## Command Mode

- /exec

# show lldp poe interface

```
show lldp poe { interface <if0> } [ __readonly__ <power-type> <power-source> <power-priority>
<power-requested> <power-allocated> ]
```

## Syntax Description

show	Show running system information
lldp	Show lldp protocol information
poe	Power over Ethernet
interface	Show lldp interface information
<i>if0</i>	Interface name
<i>__readonly__</i>	(Optional)
<i>power-type</i>	(Optional) Power Type
<i>power-source</i>	(Optional) Power Source
<i>power-priority</i>	(Optional) Power Priority
<i>power-requested</i>	(Optional) Requested Power
<i>power-allocated</i>	(Optional) Allocated Power

## Command Mode

- /exec

# show lldp portid-subtype

```
show lldp portid-subtype [ __readonly__ <portid_subtype> ]
```

## Syntax Description

show	Show running system information
lldp	Show information about lldp
portid-subtype	Show lldp portid-subtype
__readonly__	(Optional)
<i>portid_subtype</i>	(Optional) portid-subtype for LLDP TLV and MIBs

## Command Mode

- /exec



# show lldp timers

```
show lldp timers [ __readonly__ <ttl> <reinit> <tx_interval> <tx_delay> <hold_mplier> <notification_interval> ]
```

## Syntax Description

show	Show running system information
lldp	Show information about lldp
timers	Show lldp timers
<i>__readonly__</i>	(Optional)
<i>ttl</i>	(Optional) Time to Live for lldp info
<i>reinit</i>	(Optional) Interface reinit timer
<i>tx_interval</i>	(Optional) Wait interval between successive transmit
<i>tx_delay</i>	(Optional) Delay between successive frame transmissions
<i>hold_mplier</i>	(Optional) Hold multiplier for ttl
<i>notification_interval</i>	(Optional) Notification interval for SNMP trap

## Command Mode

- /exec

## show lldp tlv-select

```
show lldp tlv-select [ __readonly__ <management-address-v4> <management-address-v6> <port-description>
<port-vlan> <power-management> <four-wire-power-management> <system-capabilities>
<system-description> <system-name> <dcbxp-cin-cee> [ <dcbxp-cn> ] [ <dcbxp-ets-cfg> ] [ <dcbxp-ets-reco>
] [ <dcbxp-pfc-cfg> ] [ <dcbxp-app-pri> ] [ <dcbxp-app-vlan> ] ]
```

### Syntax Description

show	Show running system information
lldp	Show information about lldp
tlv-select	Show lldp tlv-select
<i>__readonly__</i>	(Optional)
<i>management-address-v4</i>	(Optional) Management address v4
<i>management-address-v6</i>	(Optional) Management address v6
<i>port-description</i>	(Optional) Port description
<i>port-vlan</i>	(Optional) Port vlan
<i>power-management</i>	(Optional) IEEE 802.3 DTE Power via MDI TLV
<i>four-wire-power-management</i>	(Optional) Cisco 4-Wire Power via MDI TLV
<i>system-capabilities</i>	(Optional) System capabilities
<i>system-description</i>	(Optional) System description
<i>system-name</i>	(Optional) System name
<i>dcbxp-cin-cee</i>	(Optional) DCBXP CIN or CEE
<i>dcbxp-cn</i>	(Optional) DCBXP Congestion Notification
<i>dcbxp-ets-cfg</i>	(Optional) DCBXP ETS Configuration
<i>dcbxp-ets-reco</i>	(Optional) DCBXP ETS Recommendation
<i>dcbxp-pfc-cfg</i>	(Optional) DCBXP PFC Configuration
<i>dcbxp-app-pri</i>	(Optional) DCBXP Application Priorities
<i>dcbxp-app-vlan</i>	(Optional) DCBXP Application VLAN's

### Command Mode

- /exec

# show lldp traffic

```
show lldp traffic [ __readonly__ <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv>
<flap_cnt> ]
```

## Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
<i>__readonly__</i>	(Optional)
<i>tx_cnt</i>	(Optional) Transmit count
<i>aged_cnt</i>	(Optional) Aged out count
<i>rx_cnt</i>	(Optional) Received count
<i>rx_err</i>	(Optional) Received error count
<i>disc_cnt</i>	(Optional) Disconnect count
<i>unrecognized_tlv</i>	(Optional) Unrecognized TLV count
<i>flap_cnt</i>	(Optional) flap count

## Command Mode

- /exec

# show lldp traffic interface

```
show lldp traffic interface <if> [ __readonly__ <interface> <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt>
<unrecognized_tlv> <flap_cnt> ]
```

## 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
<i>__readonly__</i>	(Optional)
<i>interface</i>	(Optional) Interface ID
<i>tx_cnt</i>	(Optional) Transmit count
<i>aged_cnt</i>	(Optional) Aged out count
<i>rx_cnt</i>	(Optional) Received count
<i>rx_err</i>	(Optional) Received error count
<i>disc_cnt</i>	(Optional) Disconnect count
<i>unrecognized_tlv</i>	(Optional) Unrecognized TLV count
<i>flap_cnt</i>	(Optional) flap count

## Command Mode

- /exec

## show lldp traffic interface all

```
show lldp traffic interface all [ __readonly__ TABLE_lldp_traffic_interface <interface> <tx_cnt> <aged_cnt>
<rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv> <flap_cnt> ]
```

### Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
interface	Show lldp traffic counters on an interface
all	Get status for all interfaces
<i>__readonly__</i>	(Optional)
<i>TABLE_lldp_traffic_interface</i>	(Optional) LLDP traffic interface table
<i>interface</i>	(Optional) Interface ID
<i>tx_cnt</i>	(Optional) Transmit count
<i>aged_cnt</i>	(Optional) Aged out count
<i>rx_cnt</i>	(Optional) Received count
<i>rx_err</i>	(Optional) Received error count
<i>disc_cnt</i>	(Optional) Disconnect count
<i>unrecognized_tlv</i>	(Optional) Unrecognized TLV count
<i>flap_cnt</i>	(Optional) flap count

### Command Mode

- /exec

# show locator-led status

```
show locator-led status [ __readonly__ { TABLE_loc_led_stat <component> <status> } ]
```

## Syntax Description

show	Show running system information
locator-led	blink locator led on device
status	status
__readonly__	(Optional)
TABLE_loc_led_stat	(Optional)
<i>component</i>	(Optional)
<i>status</i>	(Optional)

## Command Mode

- /exec

# show logging

show logging

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile

## Command Mode

- /exec

# show logging console

show logging console

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
console	Show console logging configuration

## Command Mode

- /exec



# show logging dropcount

show logging dropcount

## Syntax Description

show	logging dropcount
logging	Show logging drop count of syslogs
dropcount	Show logging dropcount

## Command Mode

- /exec

# show logging history

show logging history

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
history	Show logging history configuration

## Command Mode

- /exec

## show logging info

```
show logging info [ __readonly__ { <console_status> [ <console_severity> ] } { <monitor_status> [
<monitor_severity> ] } { <linecard_status> [ <linecard_severity> ] } { <log_timestamp> } [ {
<source_interface_status> } [ <source_interface_intf> | <source_interface_intf_index> <source_interface_error>
] ] { <server_status> [ { TABLE_logserver <server> <forwarding> <severity> <facility> <vrf> <port> [
<transport> ] } ] } { <origin_id_status> } [ <origin_id> ] ] [ [ <logflash_status> ] [ <logflash_severity> ] [
<logflash_threshold> ] ] { <logfile_status> [ <logfile_name> <logfile_severity> <logfile_size> ] } { {
TABLE_facility <fac_name> <def_level> <cur_level> } { <fac_info> } } ]
```

### Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
info	Show logging configuration
<i>__readonly__</i>	(Optional)
<i>console_status</i>	(Optional) console logging status
<i>console_severity</i>	(Optional) console logging level
<i>monitor_status</i>	(Optional) monitor logging status
<i>monitor_severity</i>	(Optional) monitor logging level
<i>linecard_status</i>	(Optional) linecard logging status
<i>linecard_severity</i>	(Optional) linecard logging level
<i>log_timestamp</i>	(Optional) timestamp unit
<i>source_interface_status</i>	(Optional) source-interface logging status
<i>source_interface_intf</i>	(Optional) source-interface interface
<i>server_status</i>	(Optional) logging server status
TABLE_logserver	(Optional) output of show logging server
<i>transport</i>	(Optional) remote server transport
<i>origin_id_status</i>	(Optional) origin-id status
<i>origin_id</i>	(Optional) origin-id
<i>logflash_status</i>	(Optional) logflash status
<i>logflash_severity</i>	(Optional) logflash level
<i>logflash_threshold</i>	(Optional) logflash threshold percentage
<i>logfile_status</i>	(Optional) logfile status

TABLE_facility	(Optional) output of show logging level(facility)
fac_info	(Optional) level info

**Command Mode**

- /exec

## show logging ip access-list cache

```
show logging ip access-list cache [ detail ] [ __readonly__ <disp_flags> <sgt> <src_ip> <dst_ip> <src_port>
<dst_port> <if_index> <proto> <hit_cnt> <acl_name> <acl_num> <acl_permit> <acl_ingress> <acl_type>
<acl_appl_if_index> <acl_fltr_hit_cnt> ]
```

### Syntax Description

show	Show running system information
logging	logging information
ip	IP configuration
access-list	Access-list
cache	logging
detail	(Optional) Show additional details about entries in cache
<i>__readonly__</i>	(Optional)
<i>disp_flags</i>	(Optional) Display flags
<i>sgt</i>	(Optional) SGT
<i>src_ip</i>	(Optional) Source IP
<i>dst_ip</i>	(Optional) Dest IP
<i>src_port</i>	(Optional) Source port
<i>dst_port</i>	(Optional) Dest port
<i>if_index</i>	(Optional) Interface
<i>proto</i>	(Optional) Protocol
<i>hit_cnt</i>	(Optional) Hits
<i>acl_name</i>	(Optional) ACL Name
<i>acl_num</i>	(Optional) ACL Number
<i>acl_permit</i>	(Optional) ACL Permit
<i>acl_ingress</i>	(Optional) ACL Ingress
<i>acl_type</i>	(Optional) ACL Filter Type
<i>acl_appl_if_index</i>	(Optional) ACL Applied Interface
<i>acl_fltr_hit_cnt</i>	(Optional) ACL Filter Count

### Command Mode

- /exec

# show logging ip access-list status

show logging ip access-list status [ *\_\_readonly\_\_* <num\_entries> <seconds> <num\_packets> ]

## Syntax Description

show	Show running system information
logging	logging information
ip	IP configuration
access-list	Access-list
status	ACLLOG status
<i>__readonly__</i>	(Optional)
<i>num_entries</i>	(Optional) Max flows
<i>seconds</i>	(Optional) Log-update interval in seconds
<i>num_packets</i>	(Optional) threshold

## 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 } ] [ __readonly__ { TABLE_facility <fac_name>
<def_level> <cur_level> } ]
```

## 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
__readonly__	(Optional)

<i>fac_name</i>	(Optional) facility names
TABLE_facility	(Optional)
<i>def_level</i>	(Optional) default severity
<i>cur_level</i>	(Optional) current severity

**Command Mode**

- /exec

# show logging level

show logging level

## Syntax Description

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

## Command Mode

- /exec

# show logging level aaa

show logging level aaa

## Syntax Description

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

## Command Mode

- /exec

# show logging level acl

show logging level acl

## Syntax Description

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

## Command Mode

- /exec

# show logging level aclog

show logging level aclog

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aclog	Show aclog 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 assoc\_mgr

show logging level assoc\_mgr

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
assoc_mgr	Show Association Manager Logging Configuration

## Command Mode

- /exec

# show logging level backup

show logging level { backup | flexlink }

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
backup	Show Switchport Backup logging level
flexlink	Show Switchport Backup logging level

## Command Mode

- /exec

# show logging level bfd

show logging level bfd

## Syntax Description

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

## Command Mode

- /exec

# show logging level bgp

show logging level bgp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bgp	Show BGP logging configuration

## Command Mode

- /exec



# show logging level bloggerd

show logging level bloggerd

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bloggerd	Show BloggerD logging configuration

## Command Mode

- /exec

# show logging level bootvar

show logging level bootvar

## Syntax Description

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

## Command Mode

- /exec

# show logging level callhome

show logging level callhome

## Syntax Description

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

## Command Mode

- /exec

# show logging level capability

show logging level capability

## Syntax Description

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

## Command Mode

- /exec

# show logging level cdp

show logging level cdp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cdp	Show CDP logging configuration

## Command Mode

- /exec

# show logging level cert\_enroll

show logging level cert\_enroll

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cert_enroll	Show Cert-enroll logging configuration

## Command Mode

- /exec

# show logging level cfs

show logging level cfs

## Syntax Description

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

## Command Mode

- /exec

# show logging level clis

show logging level clis

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clis	Show CLIS logging configuration

## Command Mode

- /exec



# show logging level clk\_mgr

show logging level clk\_mgr

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clk_mgr	Show clock manager logging configuration

## Command Mode

- /exec

# show logging level confcheck

show logging level confcheck

## Syntax Description

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

## Command Mode

- /exec

# show logging level copp

show logging level copp

## Syntax Description

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

## Command Mode

- /exec

# show logging level core-dmon

show logging level core-dmon

## Syntax Description

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

## Command Mode

- /exec

# show logging level cts

show logging level cts

## Syntax Description

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

## Command Mode

- /exec

# show logging level device-alias

show logging level device-alias

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
device-alias	Show device-alias logging configuration

## Command Mode

- /exec

# show logging level dhclient

show logging level dhclient

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dhclient	Show syslog level for dhcp client

## Command Mode

- /exec

# show logging level dhcp\_snoop

show logging level dhcp\_snoop

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dhcp_snoop	Show DHCP snoop logging configuration

## Command Mode

- /exec



# show logging level diagnostic diag\_port\_lb

show logging level diagnostic diag\_port\_lb

## Syntax Description

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

## Command Mode

- /exec

# show logging level diagnostic diagclient

show logging level diagnostic diagclient

## Syntax Description

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

## Command Mode

- /exec

# show logging level diagnostic diagmgr

show logging level diagnostic diagmgr

## Syntax Description

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

## Command Mode

- /exec

# show logging level dot1x

show logging level dot1x

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dot1x	Show dot1x logging configuration

## Command Mode

- /exec

# show logging level dpvm

show logging level dpvm

## Syntax Description

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

## Command Mode

- /exec

# show logging level ecp

show logging level ecp

## Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ecp	Set syslog filter level for ECP

## Command Mode

- /exec

# show logging level eigrp

show logging level eigrp [ <eigrp-ptag> ]

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
eigrp	Show EIGRP logging configuration
<i>eigrp-ptag</i>	(Optional) Process tag

## Command Mode

- /exec

# show logging level eltm

show logging level eltm

## Syntax Description

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

## Command Mode

- /exec



# show logging level epbr

show logging level epbr

## Syntax Description

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

## Command Mode

- /exec

# show logging level epp

show logging level epp

## Syntax Description

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

## Command Mode

- /exec

# show logging level ethdstats

show logging level ethdstats

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ethdstats	Show delta statistics logging configuration

## Command Mode

- /exec

# show logging level ethpm

show logging level ethpm

## Syntax Description

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

## Command Mode

- /exec

# show logging level evb

show logging level evb

## Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
evb	Set syslog filter level for EVB

## Command Mode

- /exec

# show logging level evmc

show logging level evmc

## Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmc	Show level for evmc syslog messages

## Command Mode

- /exec

# show logging level evmed

show logging level evmed

## Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmed	Show level for evmed syslog messages

## Command Mode

- /exec

# show logging level evms

show logging level evms

## Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evms	Show level for evms syslog messages

## Command Mode

- /exec



# show logging level fabric forwarding

show logging level fabric forwarding

## Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)

## Command Mode

- /exec

# show logging level fabricpath isis

show logging level fabricpath isis

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fabricpath	Show fabricpath logging configuration
isis	Show ISIS logging configuration

## Command Mode

- /exec

# show logging level fabricpath switch-id

show logging level fabricpath switch-id

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fabricpath	fabricpath information
switch-id	show fabricpath switch-id logging configuration

## Command Mode

- /exec

# show logging level fc2d

show logging level fc2d

## Syntax Description

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

## Command Mode

- /exec

# show logging level fcdomain

show logging level fcdomain

## Syntax Description

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

## Command Mode

- /exec

# show logging level fcns

show logging level fcns

## Syntax Description

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

## Command Mode

- /exec

# show logging level fcoe\_mgr

show logging level fcoe\_mgr

## Syntax Description

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

## Command Mode

- /exec

# show logging level fcs

show logging level fcs

## Syntax Description

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

## Command Mode

- /exec



# show logging level fdmi

show logging level fdmi

## Syntax Description

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

## Command Mode

- /exec

# show logging level feature-mgr

show logging level feature-mgr

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
feature-mgr	Show feature manager logging configuration

## Command Mode

- /exec

# show logging level flogi

show logging level flogi

## Syntax Description

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

## Command Mode

- /exec

# show logging level fs-daemon

show logging level fs-daemon

## Syntax Description

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

## Command Mode

- /exec

# show logging level fspf

show logging level fspf

## Syntax Description

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

## Command Mode

- /exec

# show logging level fsync\_mgr

show logging level fsync\_mgr

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fsync_mgr	Frequency Synchronization Manager

## Command Mode

- /exec

# show logging level gpixm

show logging level gpixm

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
gpixm	Show global-pixm logging configuration

## Command Mode

- /exec

# show logging level hardware-telemetry

show logging level hardware-telemetry

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hardware-telemetry	Show hardware-telemetry logging configuration

## Command Mode

- /exec



# show logging level hsrp

show logging level hsrp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hsrp	Show HSRP logging configuration

## Command Mode

- /exec

# show logging level icam

show logging level icam

## Syntax Description

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

## Command Mode

- /exec

# show logging level igmp

show logging level [ ip ] igmp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
igmp	Show igmp logging configuration

## Command Mode

- /exec

# show logging level im

show logging level im

## Syntax Description

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

## Command Mode

- /exec

# show logging level imp

show logging level imp

## Syntax Description

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

## Command Mode

- /exec

# show logging level interface-vlan

show logging level interface-vlan

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
interface-vlan	Show interface-vlan logging configuration

## Command Mode

- /exec

# show logging level ip sla responder

show logging level ip sla responder

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
responder	Show sla-responder logging configuration

## Command Mode

- /exec

# show logging level ip sla sender

show logging level ip sla sender

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
sender	Show sla-sender logging configuration

## Command Mode

- /exec



# show logging level ip sla twamp-server

show logging level ip sla twamp-server

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
twamp-server	Show sla-twamp-server logging configuration

## Command Mode

- /exec

# show logging level ipconf

show logging level ipconf [ ipv6 ]

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipconf	Show ipconf logging configuration
ipv6	(Optional) Show ipv6 Conf logging configuration

## Command Mode

- /exec

# show logging level ipfib

show logging level ipfib

## Syntax Description

show	show
logging	logging
level	level
ipfib	ipfib

## Command Mode

- /exec

# show logging level ipqos

show logging level ipqos

## Syntax Description

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

## Command Mode

- /exec

# show logging level ipv6 icmp

show logging level ipv6 icmp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Configure IPv6 features
icmp	Show icmpv6 logging configuration

## Command Mode

- /exec

# show logging level ipv6 mfwd

show logging level ipv6 mfwd

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Display IPv6 information
mfwd	Show MCASTFWD v6 logging configuration

## Command Mode

- /exec

# show logging level ipv6 pim

show logging level ipv6 pim

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Display IPv6 information
pim	Show pim6 logging configuration

## Command Mode

- /exec

# show logging level iscm

show logging level iscm

## Syntax Description

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

## Command Mode

- /exec



# show logging level iscm

show logging level iscm

## Syntax Description

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

## Command Mode

- /exec

# show logging level isis

show logging level isis

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
isis	Show ISIS logging configuration

## Command Mode

- /exec

# show logging level l2fm

show logging level l2fm

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l2fm	Show l2fm logging configuration

## Command Mode

- /exec

# show logging level l3vm

show logging level l3vm

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l3vm	Show L3VM logging configuration

## Command Mode

- /exec

# show logging level lacp

show logging level lacp

## Syntax Description

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

## Command Mode

- /exec

# show logging level ldap

show logging level ldap

## Syntax Description

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

## Command Mode

- /exec

# show logging level lim

show logging level lim

## Syntax Description

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

## Command Mode

- /exec

# show logging level lisp

show logging level lisp

## Syntax Description

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

## Command Mode

- /exec



# show logging level lldp

show logging level lldp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lldp	Show LLDP logging configuration

## Command Mode

- /exec

# show logging level m2rib

show logging level m2rib

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
m2rib	Show M2RIB logging configuration

## Command Mode

- /exec

# show logging level mfdm

show logging level mfdm

## Syntax Description

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

## Command Mode

- /exec

# show logging level mfwd

show logging level { mfwd | mcastfwd }

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mfwd	Show MCASTFWD logging configuration
mcastfwd	Show MCASTFWD logging configuration

## Command Mode

- /exec

# show logging level mld

show logging level [ ipv6 ] mld

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	(Optional) Display IPv6 information
mld	Show MLD logging configuration

## Command Mode

- /exec

# show logging level mmode

show logging level mmode

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mmode	Show maintenance mode logging configuration

## Command Mode

- /exec

# show logging level module

show logging level module

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
module	Show module(linecard) manager logging configuration

## Command Mode

- /exec

# show logging level monitor

show logging level monitor

## Syntax Description

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

## Command Mode

- /exec



# show logging level mpls manager

show logging level mpls manager

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
manager	Show MPLS manager logging configuration

## Command Mode

- /exec

# show logging level mpls switching

show logging level mpls switching

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
switching	Show mpls switching logging configuration

## Command Mode

- /exec

# show logging level msdp

show logging level [ ip ] msdp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
msdp	Show msdp logging configuration

## Command Mode

- /exec

# show logging level mvsh

show logging level mvsh

## Syntax Description

show	Show commands
logging	Show message logging facilities
level	Show message logging facilities
mvsh	Show level for mvsh syslog messages

## Command Mode

- /exec

# show logging level nat

show logging level nat

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nat	Show NAT logging configurarion

## Command Mode

- /exec

# show logging level nbm

show logging level nbm

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nbm	Show Non Blocking Multicast logging configuration

## Command Mode

- /exec

# show logging level netstack

show logging level netstack

## Syntax Description

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

## Command Mode

- /exec

# show logging level nfm

show logging level nfm

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nfm	Show NFM logging configuration

## Command Mode

- /exec



# show logging level nfm

show logging level nfm

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nfm	Show NFM logging configuration

## Command Mode

- /exec

# show logging level ngmvpn

show logging level ngmvpn

## Syntax Description

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

## Command Mode

- /exec

# show logging level ngoam

show logging level ngoam

## Syntax Description

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

## Command Mode

- /exec

# show logging level npv

show logging level npv

## Syntax Description

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

## Command Mode

- /exec

# show logging level ntp

show logging level ntp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ntp	Show NTP logging settings.

## Command Mode

- /exec

# show logging level nve

show logging level nve

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nve	Show NVE logging configuration

## Command Mode

- /exec

# show logging level nxsdk

show logging level nxsdk

## Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nxsdk	NXOS SDK

## Command Mode

- /exec

# show logging level ofm

show logging level ofm

## Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ofm	Show ofm logging settings

## Command Mode

- /exec



# show logging level openflow

show logging level openflow

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
openflow	Show OpenFlow agent logging configuration

## Command Mode

- /exec

# show logging level ospf

show logging level ospf

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospf	Show OSPF logging configuration

## Command Mode

- /exec

# show logging level ospfv3

show logging level ospfv3

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospfv3	Display OSPFv3 status and configuration

## Command Mode

- /exec

# show logging level otv isis

show logging level otv isis

## Syntax Description

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

## Command Mode

- /exec

# show logging level pfstat

show logging level pfstat

## Syntax Description

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

## Command Mode

- /exec

# show logging level pie

show logging level pie

## Syntax Description

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

## Command Mode

- /exec

# show logging level pim

show logging level [ ip ] pim

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
pim	Show pim logging configuration

## Command Mode

- /exec

# show logging level pixm

show logging level pixm

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pixm	Show vdc-local-pixm logging configuration

## Command Mode

- /exec



# show logging level pktmgr

show logging level pktmgr

## Syntax Description

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

## Command Mode

- /exec

# show logging level platform

show logging level platform

## Syntax Description

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

## Command Mode

- /exec

# show logging level plcmgr

show logging level plcmgr

## Syntax Description

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

## Command Mode

- /exec

# show logging level pltfm\_config

show logging level pltfm\_config

## Syntax Description

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

## Command Mode

- /exec

# show logging level plugin

show logging level plugin

## Syntax Description

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

## Command Mode

- /exec

# show logging level poed

show logging level poed

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
poed	Show PoE Daemon Logging Configuration

## Command Mode

- /exec

# show logging level port-channel

show logging level port-channel

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-channel	Show port-channel logging configuration

## Command Mode

- /exec

# show logging level port-profile

show logging level port-profile

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-profile	Show syslog level for port-profile

## Command Mode

- /exec



# show logging level port-resources

show logging level port-resources

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-resources	Show port-resources logging configuration

## Command Mode

- /exec

# show logging level port-security

show logging level port-security

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-security	Show port-security logging configuration

## Command Mode

- /exec

# show logging level port

show logging level port

## Syntax Description

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

## Command Mode

- /exec

# show logging level private-vlan

show logging level private-vlan

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
private-vlan	Show interface-vlan logging configuration

## Command Mode

- /exec

# show logging level ptp

show logging level ptp

## Syntax Description

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

## Command Mode

- /exec

# show logging level radius

show logging level radius

## Syntax Description

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

## Command Mode

- /exec

# show logging level rd1

show logging level rd1

## Syntax Description

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

## Command Mode

- /exec

# show logging level res\_mgr

show logging level res\_mgr

## Syntax Description

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

## Command Mode

- /exec



# show logging level rib

show logging level rib

## Syntax Description

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

## Command Mode

- /exec

# show logging level rip

show logging level rip

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rip	Show RIP logging configuration

## Command Mode

- /exec

# show logging level routing ipv6 multicast

show logging level routing ipv6 multicast

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information

## Command Mode

- /exec

# show logging level routing multicast

show logging level routing [ ip | ipv4 ] multicast

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information

## Command Mode

- /exec

# show logging level rpm

show logging level rpm

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rpm	Show RPM logging configuration

## Command Mode

- /exec

# show logging level rscn

show logging level rscn

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rscn	Show RSCN logging configuration

## Command Mode

- /exec

# show logging level sal

show logging level sal

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sal	Show SAL logging configuration

## Command Mode

- /exec

# show logging level san-port-channel

show logging level san-port-channel

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

## Command Mode

- /exec



# show logging level san-port-channel

show logging level san-port-channel

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

## Command Mode

- /exec

# show logging level scheduler

show logging level scheduler

## Syntax Description

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

## Command Mode

- /exec

# show logging level scsi-target

show logging level scsi-target

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
scsi-target	Show scsi-target logging configuration

## Command Mode

- /exec

# show logging level security

show logging level security

## Syntax Description

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

## Command Mode

- /exec

# show logging level segment-routing

show logging level segment-routing

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
segment-routing	Show SR logging configuration

## Command Mode

- /exec

# show logging level session-mgr

show logging level session-mgr

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
session-mgr	Show session-mgr logging configurarion

## Command Mode

- /exec

# show logging level sflow

show logging level sflow

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sflow	Show sFlow logging configuration

## Command Mode

- /exec

# show logging level smm

show logging level smm

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
smm	Show Shared Memory Manager logging configuration

## Command Mode

- /exec



# show logging level snmpd

show logging level snmpd

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
snmpd	Show SNMP logging configuration

## Command Mode

- /exec

# show logging level snmpmib\_proc

show logging level snmpmib\_proc

## Syntax Description

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

## Command Mode

- /exec

# show logging level spanning-tree

show logging level spanning-tree

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
spanning-tree	Show spanning-tree logging configuration

## Command Mode

- /exec

# show logging level spm

show logging level spm

## Syntax Description

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

## Command Mode

- /exec

# show logging level stripcl

show logging level stripcl

## Syntax Description

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

## Command Mode

- /exec

# show logging level sync

show logging level sync

## Syntax Description

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

## Command Mode

- /exec

# show logging level sysmgr

show logging level sysmgr

## Syntax Description

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

## Command Mode

- /exec

# show logging level tacacs

show logging level tacacs

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tacacs	Show tacacs+ logging configuration

## Command Mode

- /exec



# show logging level telemetry

show logging level telemetry

## Syntax Description

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

## Command Mode

- /exec

# show logging level template\_manager

show logging level template\_manager

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
template_manager	Show template manager logging configuration

## Command Mode

- /exec

# show logging level track

show logging level track

## Syntax Description

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

## Command Mode

- /exec

# show logging level tunnel-encryption

show logging level tunnel-encryption

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tunnel-encryption	Show tunnel encryption manager logging configuration

## Command Mode

- /exec

# show logging level tunnel

show logging level tunnel

## Syntax Description

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

## Command Mode

- /exec

# show logging level u2rib

show logging level u2rib

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u2rib	Show U2RIB logging configuration

## Command Mode

- /exec

# show logging level u6rib

show logging level u6rib

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u6rib	Show U6RIB logging configuration

## Command Mode

- /exec

# show logging level udd

show logging level udd

## Syntax Description

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

## Command Mode

- /exec



# show logging level ufdm

show logging level ufdm

## Syntax Description

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

## Command Mode

- /exec

# show logging level urib

show logging level urib

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
urib	Show URIB logging configuration

## Command Mode

- /exec

# show logging level vdc\_mgr

show logging level vdc\_mgr

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vdc_mgr	Show vdc manager logging configuration

## Command Mode

- /exec

# show logging level virtual-service

show logging level virtual-service

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
virtual-service	Show virtualization manager logging configuration

## Command Mode

- /exec

# show logging level vlan\_mgr

show logging level vlan\_mgr

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vlan_mgr	Show vlan manager logging configuration

## Command Mode

- /exec

# show logging level vmm

show logging level vmm

## Syntax Description

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

## Command Mode

- /exec

# show logging level vmtracker

show logging level vmtracker

## Syntax Description

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

## Command Mode

- /exec

# show logging level vpc

show logging level vpc

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vpc	Show vPC logging configuration

## Command Mode

- /exec



# show logging level vrrp-cfg

show logging level vrrp-cfg

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-cfg	Show vrrp-cfg logging configuration

## Command Mode

- /exec

# show logging level vrrp-eng

show logging level vrrp-eng

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-eng	Show vrrp-eng logging configuration

## Command Mode

- /exec

# show logging level vrrpv3

show logging level vrrpv3

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrpv3	level for vrrpv3 configuration

## Command Mode

- /exec

# show logging level vsan

show logging level vsan

## Syntax Description

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

## Command Mode

- /exec

# show logging level vshd

show logging level vshd

## Syntax Description

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

## Command Mode

- /exec

# show logging level vtp

show logging level vtp

## Syntax Description

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

## Command Mode

- /exec

# show logging level wwn

show logging level wwn

## Syntax Description

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

## Command Mode

- /exec

# show logging level xbar

show logging level xbar

## Syntax Description

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

## Command Mode

- /exec



# show logging level zone

show logging level zone

## Syntax Description

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

## Command Mode

- /exec

# show logging logfile

show logging logfile

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile

## Command Mode

- /exec

# show logging logfile duration

show logging logfile duration <s1>

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
duration	show messages from logfile of last given duration
<i>s1</i>	Enter hour, minutes, seconds of duration as HH:MM:SS

## Command Mode

- /exec

# show logging logfile last-index

show logging logfile last-index

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
last-index	Show the sequence-number of the last message in logfile

## Command Mode

- /exec

## show logging logfile start-seqn

show logging logfile start-seqn <i0> [ end-seqn <i1> ]

### Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-seqn	Show messages from logfile from a given start-sequence-number
<i>i0</i>	Enter starting sequence number
end-seqn	(Optional) Show messages from logfile from a given end-sequence-number
<i>i1</i>	(Optional) Enter ending sequence number

### Command Mode

- /exec

## show logging logfile start-time

show logging logfile start-time <i0> <s0> <i1> <s1> [ end-time <i2> <s2> <i3> <s3> ]

### Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-time	Show messages from logfile from a given start-time
<i>i0</i>	Enter year in YYYY format
<i>s0</i>	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>i1</i>	Enter day of month in dd format
<i>s1</i>	Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from logfile up to a given end-time
<i>i2</i>	(Optional) Enter year in YYYY format
<i>s2</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>i3</i>	(Optional) Enter day of month in dd format
<i>s3</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS

### Command Mode

- /exec

# show logging loopback

show logging loopback

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
loopback	Show logging loopback configuration

## Command Mode

- /exec

# show logging module

show logging module

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
module	Show module(linecard) logging configuration

## Command Mode

- /exec



# show logging monitor

show logging monitor

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
monitor	Show monitor logging configuration

## Command Mode

- /exec

# show logging nvram

```
show logging nvram [ [ { last <i0> } ] [ __readonly__ [ <error> ] [ { TABLE_nvram <log> } ] ] ]
```

## 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
__readonly__	(Optional)
<i>error</i>	(Optional) error message
TABLE_nvram	(Optional) nvram log prints
<i>log</i>	(Optional) single log line

## 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 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 kernel-trace

show logging onboard kernel-trace

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
kernel-trace	Show OBFL Kernel Trace

## Command Mode

- /exec

# show logging origin-id

show logging origin-id

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
origin-id	Show logging origin id configuration

## Command Mode

- /exec



# show logging pending-diff

show logging pending-diff

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending-diff	server address pending configuration diff

## Command Mode

- /exec

# show logging pending

show logging pending

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending	server address pending configuration

## Command Mode

- /exec

# show logging rate-limit

show logging rate-limit

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
rate-limit	Show rate limit configuration

## Command Mode

- /exec

# show logging rfc-strict

show logging rfc-strict

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
rfc-strict	Show RFC to which messages are compliant

## Command Mode

- /exec

# show logging server

```
show logging server [ __readonly__ [ <server_status> ] [ { TABLE_logserv <server> <forwarding> <severity>
<facility> <vrf> <port> [ <transport> ] } ] ]
```

## Syntax Description

<code>show</code>	Show running system information
<code>logging</code>	Show logging configuration and contents of logfile
<code>server</code>	Show server logging configuration
<code>__readonly__</code>	(Optional)
<code>server_status</code>	(Optional) logging server configured
<code>TABLE_logserv</code>	(Optional) output of show logging server
<code>server</code>	(Optional) remote server address
<code>forwarding</code>	(Optional) remote server forwarding
<code>severity</code>	(Optional) remote server severity
<code>facility</code>	(Optional) remote server facility
<code>vrf</code>	(Optional) remote server vrf
<code>port</code>	(Optional) remote server port
<code>transport</code>	(Optional) remote server transport

## Command Mode

- /exec

# show logging session status

show logging session status

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
session	Show logging session status
status	Show logging session status

## Command Mode

- /exec

# show logging source-interface

show logging source-interface

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
source-interface	Show logging source-interface configuration

## Command Mode

- /exec

# show logging status

show logging status

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
status	Show logging status

## Command Mode

- /exec



# show logging timestamp

show logging timestamp

## Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
timestamp	Show logging timestamp configuration

## Command Mode

- /exec

# show login on-failure log

show login on-failure log [ \_\_readonly\_\_ [ <status> ] ]

## Syntax Description

show	show
login	login
on-failure	authentication failure
log	Log
__readonly__	(Optional)
<i>status</i>	(Optional) login on failure log enabled or disabled

## Command Mode

- /exec

# show login on-successful log

show login on-successful log [ \_\_readonly\_\_ [ <status> ] ]

## Syntax Description

show	show
login	login
on-successful	authentication successful
log	Log
__readonly__	(Optional)
<i>status</i>	(Optional) login on successful log enabled or disabled

## Command Mode

- /exec

show login on-successful log