



## M Show Commands

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# show mac-list

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

## Syntax Description

show	Show running system information
mac-list	Show mac-lists
<i>mac_list_name</i>	(Optional) Name of mac list
seq	(Optional) Sequence number
<i>seq_no</i>	(Optional) Sequence number
<i>mac_addr</i>	(Optional) MAC address
<i>mac_mask</i>	(Optional) MAC mask

## Command Mode

- /exec

# show mac vdc

show mac vdc <vdc\_id>

## Syntax Description

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

## Command Mode

- /exec

# show maintenance on-reload reset-reasons

show maintenance on-reload reset-reasons

## Syntax Description

show	Show running system information
maintenance	maintenance
on-reload	on reload maintenance mode configuration
reset-reasons	system reset reasons

## Command Mode

- /exec

# show maintenance profile

show maintenance profile [ <mode> ]

## Syntax Description

show	Show running system information
maintenance	maintenance
profile	maintenance profile
<i>mode</i>	(Optional)

## Command Mode

- /exec

# show maintenance timeout

show maintenance timeout

## Syntax Description

show	Show running system information
maintenance	maintenance
timeout	timeout value

## Command Mode

- /exec

# show mgmt-policy

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

## Syntax Description

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

## Command Mode

- /exec

# show module

```
show module [ { <module> } | { <s0> [ <santa-cruz-range> ] } | { fabric [ <module> ] } ]
```

## Syntax Description

show	Show running system information
module	Show module information
<i>module</i>	(Optional) Enter module number
<i>s0</i>	(Optional) Show xbar information
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
fabric	(Optional) Show fabric information

## Command Mode

- /exec



# show module

show module <module> bandwidth-fairness

## Syntax Description

show	Show running system information
module	Show module information
<i>module</i>	Enter module number
bandwidth-fairness	Show bandwidth fairness status

## Command Mode

- /exec

# show module supported

show module supported

## Syntax Description

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

## Command Mode

- /exec

# show module uptime

show module uptime

## Syntax Description

show	Show running system information
module	Show module information
uptime	Show how long the module has been up and running

## Command Mode

- /exec

# show mpls forwarding statistics

show mpls forwarding statistics [ interface { <interface> | all } ]

## Syntax Description

show	Show running system information
mpls	MPLS information
forwarding	Display MPLS software forwarded
statistics	Traffic statistics
interface	(Optional) Interface specific information
<i>interface</i>	(Optional) Interface chosen to display statistics
all	(Optional) All interfaces

## Command Mode

- /exec

# show mpls interfaces

show mpls interfaces

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Display MPLS Interfaces

## Command Mode

- /exec

# show mpls interfaces

show mpls interfaces <ifname> statistics

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
<i>ifname</i>	Interface Name
statistics	statistics

## Command Mode

- /exec

# show mpls interfaces detail

show mpls interfaces detail

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
detail	Detail

## Command Mode

- /exec

# show mpls ip bindings

```
show mpls ip bindings [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ generic ] [ { <prefix> { <mask> |
<mask-length> } | <prefix-mask> } [ longer-prefix ] ] [ neighbor <addr> | local ] [ [ local-label <local-label>
[ local-to <local-label-max> ] ] | [ remote-label <remote-label> [ remote-to <remote-label-max> ] ] ] [
advertisement-prefix-list | detail | summary ]
```

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display LIB information in all VRFs
generic	(Optional) Display generic labels
<i>prefix</i>	(Optional) Destination prefix
<i>mask</i>	(Optional) Destination prefix mask
<i>mask-length</i>	(Optional) Mask length
<i>prefix-mask</i>	(Optional) Destination prefix/mask
longer-prefix	(Optional) Include longer matches
neighbor	(Optional) Display labels from LDP neighbor
<i>addr</i>	(Optional) IP adjacency address
local	(Optional) Display only locally assigned labels
local-label	(Optional) Match locally assigned label values
<i>local-label</i>	(Optional) Locally assigned label value
local-to	(Optional) Label range
<i>local-label-max</i>	(Optional) Locally assigned label value
remote-label	(Optional) Match remotely assigned label values
<i>remote-label</i>	(Optional) Remotely assigned label value



remote-to	(Optional) Label range
<i>remote-label-max</i>	(Optional) Remotely assigned label value
advertisement-prefix-list	(Optional) Show advertisement prefix lists
detail	(Optional) Show detailed information
summary	(Optional) LDP summary information

**Command Mode**

- /exec

# show mpls ip ttl

show mpls ip ttl

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	Display IP information
ttl	TTL related information

## Command Mode

- /exec

# show mpls label range

show mpls label range

## Syntax Description

show	Show running system information
mpls	MPLS configuration commands
label	Label properties
range	Label range

## Command Mode

- /exec

# show mpls label statistics

show mpls label statistics <label>

## Syntax Description

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

## Command Mode

- /exec

# show mpls static binding

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

## Syntax Description

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

## Command Mode

- /exec

# show mpls static binding

```
show mpls static binding [ vrf { <vrf-name> | <vrf-known-name> } ] { { ipv4 [ <prefix> { <mask> | <mask-length> } | <prefix-mask> ] [ local | remote ] [ nexthop <addr> ] [ inconsistency ] } | { ipv6 [ <ipv6-prefix> ] [ local | remote ] [ ipv6-nexthop <ipv6-addr> ] [ inconsistency ] } | all [ inconsistency ] }
```

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	Show ipv4 static label bindings
ipv6	Show ipv6 static label bindings
all	Show all static label bindings
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
local	(Optional) Incoming (local) static label bindings
remote	(Optional) Outgoing (remote) static label bindings
inconsistency	(Optional) Inconsistent bindings between config and URIB
<i>prefix</i>	(Optional) Destination ipv4 prefix
<i>mask</i>	(Optional) Destination ipv4 prefix mask
<i>mask-length</i>	(Optional) Ipv4 mask length
<i>prefix-mask</i>	(Optional) Destination prefix/mask
nexthop	(Optional) Ipv4 next hop address
<i>addr</i>	(Optional) Ipv4 Next hop address
ipv6-nexthop	(Optional) Ipv6 next hop address

## Command Mode

- /exec

# show mpls static binding

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

## Syntax Description

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

## Command Mode

- /exec

# show mpls strip labels

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

## Syntax Description

show	Show running system information
mpls	Configure MPLS settings
strip	Stripping of MPLS headers
labels	labels added in the system
all	(Optional) all labels [default]
static	(Optional) labels programmed using cli
dynamic	(Optional) dynamically learned
<i>label_val</i>	(Optional) Label to show

## Command Mode

- /exec



# show mpls switching

```
show mpls switching [ labels <label> [ <max-label> ] | interface <intf> | { <ip-addr> | <ipv4-prefix> } [ vrf
<vrf-name> ] | <ipv6-prefix> [ vrf <vrf-name> ] | traffic-eng tunnels [ cbts ] [ <tunnel-id> ] | traffic-eng lsp
ipv4 [ <ingress-addr> <tunnel-id> ] | aggregate [ ipv4 | ipv6 ] [ vrf <vrf-name> ] | { fec { te_if | ipv4_te_lsp
| ipv6_te_lsp | ipv4_prefix [ vrf <vrf-name> ] | ipv6_prefix [ vrf <vrf-name> ] | deagg [ vrf <vrf-name> ] } }
| { summary } ] [ detail ] [ private ] [ vrf <vrf-name> ]
```

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
traffic-eng	(Optional) Show traffic-engineering related entries
<i>ip-addr</i>	(Optional) Match destination address
<i>ipv4-prefix</i>	(Optional) Specify an IP prefix/mask
fec	(Optional) Show FEC information in the ULIB
private	(Optional) Show more detailed information in the ULIB
labels	(Optional) Show a specific label-related information
<i>label</i>	(Optional) Low label value
<i>max-label</i>	(Optional) High label value
interface	(Optional) Match outgoing interface
tunnels	(Optional) Show TE head-end information
cbts	(Optional) Show TE head-end CBTS information
lsp	(Optional) Show TE mid-point information
aggregate	(Optional) Show aggregate-related information
<i>intf</i>	(Optional) Specify outgoing interface
<i>ingress-addr</i>	(Optional) Match TE ingress address
summary	(Optional) Summarized information
detail	(Optional) Detailed information
te_if	(Optional) TE tunnel head-end
ipv4_te_lsp	(Optional) TE IPv4 LSP midpoint
ipv6_te_lsp	(Optional) TE IPv6 LSP midpoint

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

**Command Mode**

- /exec

# show mpls switching clients

show mpls switching clients

## Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
clients	Display ULIB client components

## Command Mode

- /exec

