



M Show Commands

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show mac-list

```
show mac-list { [ { <maclist-name> | <maclist-cfg-name> } [ { seq <seq_no> | { <mac_addr> [ <mac_mask> ] } } ] ] } [ __readonly__ TABLE_mac_list <name> <seq> <action> <rule> ]
```

Syntax Description

show	Show running system information
mac-list	Show mac-lists
<i>maclist-name</i>	(Optional) Name of mac-list
<i>maclist-cfg-name</i>	(Optional) Known mac-list name
seq	(Optional) Sequence number
<i>seq_no</i>	(Optional) Sequence number
<i>mac_addr</i>	(Optional) MAC address
<i>mac_mask</i>	(Optional) MAC mask
<i>__readonly__</i>	(Optional)
TABLE_mac_list	(Optional)
<i>name</i>	(Optional)
<i>seq</i>	(Optional)
<i>action</i>	(Optional)
<i>rule</i>	(Optional)

Command Mode

- /exec

show mac address-table

```
show mac address-table <module> [ count ] [ static | dynamic | secure ] [ { [ address1 <mac-addr> | { switch-id
<swid> [ sub-switch-id <sswid> ] } | vlan1 <id> | [ vdc1 <vdc> | <e-vdc> ] | fe1 <feid> ] + } | { [ address
<mac-addr> | interface <interface-name> | vlan <id> | [ vdc <vdc> | <e-vdc> ] | fe <feid> ] + } } [ hex ] [
__readonly__ <entrycount> <l2entry> <header> <pi_e> <age> <rm> <ifname> <sec> <ntfy> <type> ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
<i>module</i>	Module Number
count	(Optional) Number of entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
address	(Optional) address
address1	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
interface	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
vlan	(Optional) VLAN
vlan1	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
vdc	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vdc1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vdc</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

<i>e-vdc</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>fe</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>fe1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>feid</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>hex</i>	(Optional) display swid/sswid/lid in hex
<i>__readonly__</i>	(Optional)
<i>header</i>	(Optional) Header
<i>pi_e</i>	(Optional) Primary Interface of EARL
<i>age</i>	(Optional) Last seen age in seconds
<i>rm</i>	(Optional) RM
<i>ifname</i>	(Optional) interface name as string
<i>sec</i>	(Optional) secure
<i>ntfy</i>	(Optional) notify
<i>entrycount</i>	(Optional) Number of L2 entries
<i>l2entry</i>	(Optional) L2 Entry String
<i>type</i>	(Optional) MAC type - Static or Dynamic

Command Mode

- /exec

show mac address-table

```
show mac address-table [ static | dynamic | secure ] [ local ] [ { [ address1 <mac-addr> | { switch-id <swid>
[ sub-switch-id <sswid> ] } | vlan1 <id> ] + } | { [ address <mac-addr> | interface <interface-name> | vlan
<id> ] + } | { [ address2 <mac-addr> | interface1 <interface-name> | vni <vni-id> | [ peer-ip <peer-ipv4> |
peer-ipv6 <peer-ipv6> ] ] + } | { [ address3 <mac-addr> | interface2 <interface-name> | vni1 <vni-id> | es {
<esid-opt1> | <esid-opt2> | all } ] + } ] [ __readonly__ [ { TABLE_mac_address
<disp_mac_addr><disp_type><disp_vlan> [ <disp_is_static> ]
<disp_age><disp_is_secure><disp_is_ntfy><disp_port> } ] ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
address	(Optional) address
address1	(Optional) address
address2	(Optional) address
address3	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
interface	(Optional) Interface
interface1	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
interface2	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name

vlan	(Optional) VLAN
vlan1	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
vni	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vni1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vni-id</i>	(Optional) VXLAN Network Identifier
peer-ip	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>peer-ipv4</i>	(Optional) VXLAN Peer IP Address
peer-ipv6	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
es	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>esid-opt1</i>	(Optional) EE:EE:EE:EE:EE:EE:EE:EE:EE:EE ESID Option 1
<i>esid-opt2</i>	(Optional) EEEE.EEEE.EEEE.EEEE.EEEE ESID Option 2
all	(Optional) all ESIs
__readonly__	(Optional)
TABLE_mac_address	(Optional) Mac address table
<i>disp_is_static</i>	(Optional) Static/Dynamic

Command Mode

- /exec

show mac address-table aging-time

show mac address-table aging-time [*__readonly__* <age_str> <age>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
aging-time	Configured/default age
<i>__readonly__</i>	(Optional)
<i>age_str</i>	(Optional) Age info
<i>age</i>	(Optional) Age time

Command Mode

- /exec

show mac address-table count

```
show mac address-table count [ static | dynamic | secure ] [ local ] [ { [ interface <interface-name> | switch-id
<swid> [ sub-switch-id <sswid> ] } | vlan <id> ] + } | { [ interface1 <interface-name> | vni <vni-id> | [ peer-ip
<peer-ipv4> | peer-ipv6 <peer-ipv6> ] ] + } ] [ __readonly__ TABLE-macaddtblcount [ <id-out> ] [ <count_str>
] [ <total_cnt> ] [ <dyn_cnt> ] [ <otv_cnt> ] [ <static_cnt> ] [ <secure_cnt> ] ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
vlan	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
interface	(Optional) Interface
interface1	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
vni	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vni-id</i>	(Optional) VXLAN Network Identifier
peer-ip	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>peer-ipv4</i>	(Optional) VXLAN Peer IP Address
peer-ipv6	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)

TABLE-macaddtblcount	(Optional) MAC Address Dynamic Count Table
<i>id-out</i>	(Optional) MAC Address Table VLAN ID
<i>count_str</i>	(Optional) Count info
<i>total_cnt</i>	(Optional) Total count
<i>dyn_cnt</i>	(Optional) Dynamic count
<i>otv_cnt</i>	(Optional) OTV count
<i>static_cnt</i>	(Optional) Static count
<i>secure_cnt</i>	(Optional) Secure count

Command Mode

- /exec

show mac address-table learning-mode

```
show mac address-table learning-mode [ vlan <id> ] [ __readonly__ <learning_mode_str> <vlan_id>
<mode_str> ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
learning-mode	Learning Mode
vlan	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
<i>__readonly__</i>	(Optional)
<i>learning_mode_str</i>	(Optional) Learning Mode
<i>vlan_id</i>	(Optional) VLAN ID
<i>mode_str</i>	(Optional) Mode

Command Mode

- /exec

show mac address-table loop-detect

show mac address-table loop-detect [__readonly__ <port_loop_detect>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
loop-detect	Display Action for Mac Loop Detection
__readonly__	(Optional)
<i>port_loop_detect</i>	(Optional) Display Port Down Action Mac Loop Detect is enabled or disabled

Command Mode

- /exec

show mac address-table multicast

```
show mac address-table multicast [ vlan <vlan> | bridge-domain <bdid> ] [ __readonly__ [ TABLE_mac [
<vlan-id> ] [ <mac-addr> ] [ <type> ] [ <age> ] [ TABLE_oif [ <oifs> ] ] ] ] ]
```

Syntax Description

show	Show running system information
mac	MAC configuration commands
address-table	MAC Address Table
multicast	mcast mac OIF Static Entry
vlan	(Optional) VLAN
<i>vlan</i>	(Optional) VLAN
bridge-domain	(Optional) BD
<i>bdid</i>	(Optional) BD
<i>__readonly__</i>	(Optional)
TABLE_mac	(Optional)
<i>vlan-id</i>	(Optional)
<i>mac-addr</i>	(Optional)
<i>type</i>	(Optional)
<i>age</i>	(Optional)
TABLE_oif	(Optional)
<i>oifs</i>	(Optional)

Command Mode

- /exec

show mac address-table notification mac-move

```
show mac address-table notification mac-move [ __readonly__ TABLE_mac_notif <disp_mm_status>
<disp_mm_triggers> <disp_macs_added> <disp_macs_moved> <disp_macs_removed> ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
notification	Display Notification Information
mac-move	Mac Move Notification
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_mac_notif</i>	(Optional) Mac address notification table
<i>disp_mm_status</i>	(Optional) Mac Move Status
<i>disp_mm_triggers</i>	(Optional) # of triggers
<i>disp_macs_added</i>	(Optional) Number of MACs added since system bring up
<i>disp_macs_removed</i>	(Optional) Number of MACs removed since system bring up
<i>disp_macs_moved</i>	(Optional) Number of MACs moved since system bring up

Command Mode

- /exec

show mac scalar

```
show mac scalar [ __readonly__ <cmnMACMoveAddress> <cmnMACMoveVlanNumber>
<cmnMACMoveFromPortId> <cmnMACMoveToPortId> <cmnMACMoveTime> ]
```

Syntax Description

show	Show running system information
mac	MAC configuration commands
scalar	cmn mib scalars
__readonly__	(Optional)
<i>cmnMACMoveAddress</i>	(Optional) mac move address
<i>cmnMACMoveVlanNumber</i>	(Optional) mac vlan number
<i>cmnMACMoveFromPortId</i>	(Optional) from port id
<i>cmnMACMoveToPortId</i>	(Optional) to port id
<i>cmnMACMoveTime</i>	(Optional) move time

Command Mode

- /exec

show macsec mka

```
show macsec mka [ summary ] [ __readonly__ [ <macsec_status> ] [ TABLE_mka_summary <ifname>
<status> <cipher> <keyserver> <policy> <keychain> <fallback_keychain> ] ]
```

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
summary	(Optional) Show MKA summary information
__readonly__	(Optional)
<i>macsec_status</i>	(Optional) Macsec status
TABLE_mka_summary	(Optional)
<i>ifname</i>	(Optional) Interface
<i>status</i>	(Optional) MACSEC Session status
<i>cipher</i>	(Optional) Operational MACSEC Cipher-suite
<i>keyserver</i>	(Optional) Is this acting as interface key-server
<i>policy</i>	(Optional) MACSEC Policy applied to interface
<i>keychain</i>	(Optional) Keychain associated with interface
<i>fallback_keychain</i>	(Optional) Keychain associated with interface

Command Mode

- /exec

show macsec mka session

```
show macsec mka session [ interface <ifname> ] [ details ] [ __readonly__ [ <macsec_status> ] [
TABLE_mka_session <ifname> <sci> <peers> <status> <keyserver><ca_auth_mode> ] [ <sessions>
<active_sessions> <pending_sessions> ] [ TABLE_mka_session_details <ifname> <status> <sci> <ssci>
<port_id> <ckn> <ca_auth_mode> <mi> <mn> <policy> <ks_prio> <keyserver> <include_icv_indicator>
<cipher> <cipher_operational> <>window> <conf_offset> <conf_offset_operational> <sak_status> <sak_an>
<sak_ki> <sak_kn> <last_sak_rekey_time> <peer_count> <mac_addr> <ether_type> [
TABLE_mka_peer_status <peer_mi> <rxsci> <icv_status> <last_rx_time> ] [ TABLE_mka_fallback
<fallback_ckn> <fallback_mi> <fallback_mn> [ TABLE_mka_fallback_peer <fallback_peer_mi>
<fallback_rxsci> <fallback_icv_status> <fallback_last_rx_time> ] ] ] ]
```

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
session	Show MKA session information
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list
details	(Optional) Show MKA detailed information
<i>__readonly__</i>	(Optional)
<i>macsec_status</i>	(Optional) macsec status
TABLE_mka_session	(Optional)
<i>ifname</i>	(Optional) Interface
<i>sci</i>	(Optional) Interface local TxSCI
<i>peers</i>	(Optional) Number of Peers
<i>status</i>	(Optional) Macsec status of Interface
<i>keyserver</i>	(Optional) Interface keyserver
<i>include_icv_indicator</i>	(Optional) Include ICV indicator in MKDPUs
<i>ca_auth_mode</i>	(Optional) CA Authentication Mode
TABLE_mka_session_details	(Optional)
<i>ifname</i>	(Optional) Interface
<i>status</i>	(Optional) Session Status

<i>sci</i>	(Optional) Interface local TxSCI
<i>ssci</i>	(Optional) Interface local TxSSCI
<i>port_id</i>	(Optional) MKA Port Identifier
<i>ckn</i>	(Optional) CAK Name
<i>mi</i>	(Optional) Member Identifier
<i>mn</i>	(Optional) Message Number
<i>policy</i>	(Optional) MACSEC Policy
<i>ks_prio</i>	(Optional) Key-server Priority
<i>cipher</i>	(Optional) MKA Cipher Suite
<i>cipher_operational</i>	(Optional) MKA Cipher Suite Operational
<i>window</i>	(Optional) Replay Window Size
<i>conf_offset</i>	(Optional) Confidentiality Offset
<i>conf_offset_operational</i>	(Optional) Confidentiality Offset Operational
<i>sak_status</i>	(Optional) SAK Status
<i>sak_an</i>	(Optional) SAK AN
<i>sak_ki</i>	(Optional) SAK KI
<i>sak_kn</i>	(Optional) SAK KN
<i>last_sak_rekey_time</i>	(Optional) Last SAK rekey
<i>peer_count</i>	(Optional) Peer Count
<i>mac_addr</i>	(Optional) Eapol Dest mac
<i>ether_type</i>	(Optional) Eapol ether type
TABLE_mka_peer_status	(Optional)
<i>peer_mi</i>	(Optional) Peer MI
<i>rxsci</i>	(Optional) RxSCI
<i>icv_status</i>	(Optional) Peer CAK
<i>last_rx_time</i>	(Optional) Latest Rx MKPDU
TABLE_mka_fallback	(Optional)
<i>fallback_ckn</i>	(Optional) Fallback CAK Name
<i>fallback_mi</i>	(Optional) Fallback Member Identifier

<i>fallback_mn</i>	(Optional) Fallback Message Number
TABLE_mka_fallback_peer	(Optional)
<i>fallback_peer_mi</i>	(Optional) Peer MI
<i>fallback_rxsci</i>	(Optional) RxSCI
<i>fallback_icv_status</i>	(Optional) Peer CAK
<i>fallback_last_rx_time</i>	(Optional) Latest Rx MKPDU
<i>sessions</i>	(Optional) Total number of Sessions
<i>active_sessions</i>	(Optional) Count of Active Sessions
<i>pending_sessions</i>	(Optional) Count of Pending Sessions

Command Mode

- /exec

show macsec mka statistics

```

show macsec mka statistics [ interface <ifname> ][ __readonly__ [ <macsec_status> ][ TABLE_mka_intf_stats
[ [ <ifname2> ][ TABLE_ca_stats [ [ <ca_stat_ckn> ][ <ca_stat_pairwise_cak_rekey> ][
<sa_stat_sak_generated> ][ <sa_stat_sak_rekey> ][ <sa_stat_sak_received> ][ <sa_stat_sak_response_rx>
][ <mkpdu_stat_mkpdpu_tx> ][ <mkpdu_stat_mkpdpu_tx_distsak> ][ <mkpdu_stat_mkpdpu_rx> ][
<mkpdu_stat_mkpdpu_rx_distsak> ] ] ] ] [ TABLE_idb_stats [ [ <ca_stat_pairwise_cak_rekey> ][
<sa_stat_sak_generated> ][ <sa_stat_sak_rekey> ][ <sa_stat_sak_received> ][ <sa_stat_sak_response_rx>
][ <mkpdu_stat_mkpdpu_tx> ][ <mkpdu_stat_mkpdpu_tx_distsak> ][ <mkpdu_stat_mkpdpu_rx> ][
<mkpdu_stat_mkpdpu_rx_distsak> ][ <idb_stat_mkpdpu_tx_success> ][ <idb_stat_mkpdpu_tx_fail> ][
<idb_stat_mkpdpu_tx_pkt_build_fail> ][ <idb_stat_mkpdpu_no_tx_on_intf_down> ][
<idb_stat_mkpdpu_no_rx_on_intf_down> ][ <idb_stat_mkpdpu_rx_ca_notfound> ][ <idb_stat_mkpdpu_rx_error>
][ <idb_stat_mkpdpu_rx_success> ][ <idb_stat_mkpdpu_failure_rx_integrity_check_error> ][
<idb_stat_mkpdpu_failure_invalid_peer_mn_error> ][ <idb_stat_mkpdpu_failure_nonrecent_peerlist_mn_error>
][ <idb_stat_mkpdpu_failure_sakuse_kn_mismatch_error> ][
<idb_stat_mkpdpu_failure_sakuse_rx_not_set_error> ][
<idb_stat_mkpdpu_failure_sakuse_key_mi_mismatch_error> ][
<idb_stat_mkpdpu_failure_sakuse_an_not_in_use_error> ][
<idb_stat_mkpdpu_failure_sakuse_ks_rx_tx_not_set_error> ][
<idb_stat_mkpdpu_failure_sakuse_eapol_ethertype_mismatch_error> ][
<idb_stat_mkpdpu_failure_sakuse_eapol_destmac_mismatch_error> ][
<idb_stat_sak_failure_sak_generate_error> ][ <idb_stat_sak_failure_hash_generate_error> ][
<idb_stat_sak_failure_sak_encryption_error> ][ <idb_stat_sak_failure_sak_decryption_error> ][
<idb_stat_sak_failure_ick_derivation_error> ][ <idb_stat_sak_failure_kek_derivation_error> ][
<idb_stat_sak_failure_invalid_macsec_capability_error> ][ <idb_stat_macsec_failure_rx_sa_create_error>
][ <idb_stat_macsec_failure_tx_sa_create_error> ] ] ] ] [ TABLE_mka_gbl_stats [ [ <session_secured> ][
<session_deleted> ][ <session_keeplive_timeout> ][ <ca_stat_pairwise_cak_rekey> ][
<sa_stat_sak_generated> ][ <sa_stat_sak_rekey> ][ <sa_stat_sak_received> ][ <sa_stat_sak_response_rx>
][ <mkpdu_stat_mkpdpu_rx> ][ <mkpdu_stat_mkpdpu_rx_distsak> ][ <mkpdu_stat_mkpdpu_tx> ][
<mkpdu_stat_mkpdpu_tx_distsak> ][ <mka_error_session_failure_bring_up_error> ][
<mka_error_sak_failure_sak_generate_error> ][ <mka_error_sak_failure_hash_generate_error> ][
<mka_error_sak_failure_sak_encryption_error> ][ <mka_error_sak_failure_sak_decryption_error> ][
<mka_error_sak_failure_sak_cipher_mismatch_error> ][ <mka_error_ca_failure_ick_derivation_error> ][
<mka_error_ca_failure_kek_derivation_error> ][ <mka_error_ca_failure_invalid_macsec_capability_error>
][ <mka_error_macsec_failure_rx_sa_create_error> ][ <mka_error_macsec_failure_tx_sa_create_error> ][
<mka_error_mkpdpu_failure_mkpdpu_tx_error> ][
<mka_error_mkpdpu_failure_mkpdpu_rx_integrity_check_error> ][
<mka_error_mkpdpu_failure_mkpdpu_invalid_peer_mn_error> ][
<mka_error_mkpdpu_failure_mkpdpu_nonrecent_peerlist_mn_error> ][
<mka_error_mkpdpu_failure_sakuse_kn_mismatch_error> ][
<mka_error_mkpdpu_failure_sakuse_rx_not_set_error> ][
<mka_error_mkpdpu_failure_sakuse_key_mi_mismatch_error> ][
<mka_error_mkpdpu_failure_sakuse_an_not_in_use_error> ][
<mka_error_mkpdpu_failure_sakuse_ks_rx_tx_not_set_error> ][ <global_stats_mkpdpu_rx_invalid_ckn> ][
<global_stats_mkpdpu_tx_pkt_build_fail> ] ] ] ] ]

```

Syntax Description

show	Show running system information
macsec	Show MACSEC information

<code>mka</code>	Show MKA information
<code>statistics</code>	Show MKA statistics
<code>interface</code>	(Optional) Specify interface
<code>ifname</code>	(Optional) Interface list
<code>__readonly__</code>	(Optional)
<code>macsec_status</code>	(Optional) Macsec status
<code>TABLE_mka_intf_stats</code>	(Optional) MKA Interface statistics
<code>TABLE_ca_stats</code>	(Optional) CA Statistics
<code>ca_stat_ckn</code>	(Optional) CA Statistics CKN
<code>ca_stat_pairwise_cak_rekey</code>	(Optional) CA Statistics Pairwise CAK Rekey
<code>sa_stat_sak_generated</code>	(Optional) SA Statistics SAK generated
<code>sa_stat_sak_rekey</code>	(Optional) SA Statistics SAK rekey
<code>sa_stat_sak_received</code>	(Optional) SA Statistics SAK received
<code>sa_stat_sak_response_rx</code>	(Optional) SA Statistics SAK response received
<code>mkpdu_stat_mkpdu_tx</code>	(Optional) MKPDU Statistics MKPDU Tx
<code>mkpdu_stat_mkpdu_tx_distsak</code>	(Optional) MKPDU Statistics MKPDU Tx distributed SAK
<code>mkpdu_stat_mkpdu_rx</code>	(Optional) MKPDU Statistics MKPDU Rx
<code>mkpdu_stat_mkpdu_rx_distsak</code>	(Optional) MKPDU Statistics MKPDU Rx distributed SAK
<code>TABLE_idb_stats</code>	(Optional) IDB Statistics
<code>ca_stat_pairwise_cak_rekey</code>	(Optional) CA Statistics pairwise CAK rekey
<code>sa_stat_sak_generated</code>	(Optional) SA Statistics SAK generated
<code>sa_stat_sak_rekey</code>	(Optional) SA Statistics SAK rekey
<code>sa_stat_sak_received</code>	(Optional) SA Statistics SAK received
<code>sa_stat_sak_response_rx</code>	(Optional) SA Statistics SAK response received
<code>mkpdu_stat_mkpdu_tx</code>	(Optional) MKPDU Statistics MKPDU Tx
<code>mkpdu_stat_mkpdu_tx_distsak</code>	(Optional) MKPDU Statistics MKPDU Tx distributed SAK
<code>mkpdu_stat_mkpdu_rx</code>	(Optional) MKPDU Statistics MKPDU Rx
<code>mkpdu_stat_mkpdu_rx_distsak</code>	(Optional) MKPDU Statistics MKPDU Rx distributed SAK
<code>idb_stat_mkpdu_tx_success</code>	(Optional) IDB Statistics MKPDU Tx success

<i>idb_stat_mkpdu_tx_fail</i>	(Optional) IDB Statistics MKPDU Tx fail
<i>idb_stat_mkpdu_tx_pkt_build_fail</i>	(Optional) IDB Statistics MKPDU Tx packet build fail
<i>idb_stat_mkpdu_no_tx_on_intf_down</i>	(Optional) IDB Statistics MKPDU no Tx on interface down
<i>idb_stat_mkpdu_no_rx_on_intf_down</i>	(Optional) IDB Statistics MKPDU no Rx on interface down
<i>idb_stat_mkpdu_rx_ca_notfound</i>	(Optional) IDB Statistics MKPDU Rx CA not found
<i>idb_stat_mkpdu_rx_error</i>	(Optional) IDB Statistics MKPDU Rx error
<i>idb_stat_mkpdu_rx_success</i>	(Optional) IDB Statistics MKPDU Rx success
<i>idb_stat_mkpdu_failure_rx_integrity_check_error</i>	(Optional) IDB Statistics - MKPDU failure - Rx integrity check error
<i>idb_stat_mkpdu_failure_invalid_peer_mn_error</i>	(Optional) IDB Statistics - MKPDU failure - invalid peer MN error
<i>idb_stat_mkpdu_failure_nonrecent_peerlist_mn_error</i>	(Optional) IDB Statistics - MKPDU failure - non recent peerlist MN error
<i>idb_stat_mkpdu_failure_sakuse_kn_mismatch_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse KN mismatch error
<i>idb_stat_mkpdu_failure_sakuse_rx_not_set_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse Rx not set error
<i>idb_stat_mkpdu_failure_sakuse_key_mi_mismatch_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse key MI mismatch error
<i>idb_stat_mkpdu_failure_sakuse_an_not_in_use_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse AN not in use error
<i>idb_stat_mkpdu_failure_sakuse_ks_rx_tx_not_set_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse KS Rx Tx not set error
<i>idb_stat_mkpdu_failure_sakuse_eapol_ethertype_mismatch_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse EAPOL ethertype mismatch error
<i>idb_stat_mkpdu_failure_sakuse_eapol_destmac_mismatch_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse EAPOL destMAC mismatch error
<i>idb_stat_sak_failure_sak_generate_error</i>	(Optional) IDB Statistics - SAK failure - SAK generate error
<i>idb_stat_sak_failure_hash_generate_error</i>	(Optional) IDB Statistics - SAK failure - Hash generate error
<i>idb_stat_sak_failure_sak_encryption_error</i>	(Optional) IDB Statistics - SAK failure - SAK encryption error
<i>idb_stat_sak_failure_sak_decryption_error</i>	(Optional) IDB Statistics - SAK failure - SAK decryption error
<i>idb_stat_sak_failure_ick_derivation_error</i>	(Optional) IDB Statistics - SAK failure - ICK derivation error
<i>idb_stat_sak_failure_kek_derivation_error</i>	(Optional) IDB Statistics - SAK failure - KEK derivation error
<i>idb_stat_sak_failure_invalid_macsec_capability_error</i>	(Optional) IDB Statistics - SAK failure - invalid MACsec capability error

<i>idb_stat_macsec_failure_rx_sa_create_error</i>	(Optional) IDB Statistics - SAK failure - Rx SA create error
<i>idb_stat_macsec_failure_tx_sa_create_error</i>	(Optional) IDB Statistics - SAK failure - Tx SA create error
TABLE_mka_gbl_stats	(Optional) MKA Global Statistics
<i>session_secured</i>	(Optional) Session secured Events
<i>session_deleted</i>	(Optional) Session deleted Events
<i>session_keepalive_timeout</i>	(Optional) Session keepalive timeout Events
<i>ca_stat_pairwise_cak_rekey</i>	(Optional) CA Statistics pairwise CAK rekey
<i>sa_stat_sak_generated</i>	(Optional) SA Statistics SAK generated
<i>sa_stat_sak_rekey</i>	(Optional) SA Statistics SAK rekey
<i>sa_stat_sak_received</i>	(Optional) SA Statistics SAK received
<i>sa_stat_sak_response_rx</i>	(Optional) SA Statistics SAK response received
<i>mkpdu_stat_mkpdu_rx</i>	(Optional) MKPDU Statistics MKPDU received
<i>mkpdu_stat_mkpdu_rx_distsak</i>	(Optional) MKPDU Statistics MKPDU received distributed SAK
<i>mkpdu_stat_mkpdu_tx</i>	(Optional) MKPDU Statistics MKPDU transmitted
<i>mkpdu_stat_mkpdu_tx_distsak</i>	(Optional) MKPDU Statistics MKPDU transmitted distributed SAK
<i>mka_error_session_failure_bring_up_error</i>	(Optional) MKA Error - Session failure - Bring up error
<i>mka_error_sak_failure_sak_generate_error</i>	(Optional) MKA Error - SAK failure - SAK generate error
<i>mka_error_sak_failure_hash_generate_error</i>	(Optional) MKA Error - SAK failure - Hash generate error
<i>mka_error_sak_failure_sak_encryption_error</i>	(Optional) MKA Error - SAK failure - SAK encryption error
<i>mka_error_sak_failure_sak_decryption_error</i>	(Optional) MKA Error - SAK failure - SAK decryption error
<i>mka_error_sak_failure_sak_cipher_mismatch_error</i>	(Optional) MKA Error - SAK failure - SAK Cipher mismatch error
<i>mka_error_ca_failure_ick_derivation_error</i>	(Optional) MKA Error - CA failure - ICK derivation error
<i>mka_error_ca_failure_kek_derivation_error</i>	(Optional) MKA Error - CA failure - KEK derivation error
<i>mka_error_ca_failure_invalid_macsec_capability_error</i>	(Optional) MKA Error - CA failure - Invalid MACsec capability error
<i>mka_error_macsec_failure_rx_sa_create_error</i>	(Optional) MKA Error - MACsec failure - Rx SA create error
<i>mka_error_macsec_failure_tx_sa_create_error</i>	(Optional) MKA Error - MACsec failure - Tx SA create error
<i>mka_error_mkpdu_failure_mkpdu_tx_error</i>	(Optional) MKA Error - MKPDU failure - MKPDU Tx error
<i>mka_error_mkpdu_failure_mkpdu_rx_integrity_check_error</i>	(Optional) MKA Error - MKPDU failure - MKPDU Rx integrity check error

<i>mka_enor_mkpdu_failure_mkpdu_invalid_peer_mn_enor</i>	(Optional) MKA Error - MKPDU failure - invalid peer MN error
<i>mka_enor_mkpdu_failure_mkpdu_nonrecent_peerlist_mn_enor</i>	(Optional) MKA Error - MKPDU failure - non recent peerlist MN error
<i>mka_enor_mkpdu_failure_sakuse_kn_mismatch_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse KN mismatch error
<i>mka_enor_mkpdu_failure_sakuse_rx_not_set_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse Rx not set error
<i>mka_enor_mkpdu_failure_sakuse_key_mi_mismatch_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse key MI mismatch error
<i>mka_enor_mkpdu_failure_sakuse_an_not_in_use_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse AN not in use error
<i>mka_enor_mkpdu_failure_sakuse_ks_rx_tx_not_set_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse KS Rx Tx not set error
<i>global_stats_mkpdu_rx_invalid_ckn</i>	(Optional) Global Statistics MKPDU received invalid CKN
<i>global_stats_mkpdu_tx_pkt_build_fail</i>	(Optional) Global Statistics Transmit Pkt build fail
<i>ifname2</i>	(Optional) MACSEC Interface Name

Command Mode

- /exec

show macsec policy

```
show macsec policy [ <policy_name> ] [ __readonly__ { TABLE_macsec_policy <name> <cipher_suite>
<keyserver_priority> <window_size> <conf_offset> <security_policy> <sak-expiry-time>
<include_icv_indicator> } ]
```

Syntax Description

show	Show running system information
macsec	Show MACSEC policy information
policy	Show MACSEC policy information
<i>policy_name</i>	(Optional) Name of MACSEC Policy
<i>__readonly__</i>	(Optional)
TABLE_macsec_policy	(Optional)
<i>name</i>	(Optional) MACSEC Policy Name
<i>cipher_suite</i>	(Optional) Cipher Suite
<i>keyserver_priority</i>	(Optional) KeyServer Priority
<i>window_size</i>	(Optional) Window Size
<i>conf_offset</i>	(Optional) Confidentiality Offset
<i>security_policy</i>	(Optional) Security Policy
<i>sak-expiry-time</i>	(Optional) SAK expiry on time interval
<i>include_icv_indicator</i>	(Optional) Include ICV indicator in MKPDUs

Command Mode

- /exec

<i>in_pkts_unicast_controlled</i>	(Optional) In Pkts Unicast Controlled
<i>in_pkts_multicast_controlled</i>	(Optional) In Pkts Multicast Controlled
<i>in_pkts_broadcast_controlled</i>	(Optional) In Pkts Broadcast Controlled
<i>in_pkts_controlled</i>	(Optional) In Pkts Controlled
<i>in_rx_drop_pkts_controlled</i>	(Optional) In Rx Drop Pkts Controlled
<i>in_rx_err_pkts_controlled</i>	(Optional) In Rx Err Pkts Controlled
<i>in_octets_uncontrolled</i>	(Optional) In Octets Uncontrolled
<i>in_octets_controlled</i>	(Optional) In Octets Controlled
<i>input_rate_uncontrolled_bps</i>	(Optional) Input Rate Uncontrolled BPS
<i>input_rate_uncontrolled_pps</i>	(Optional) Input Rate Uncontrolled PPS
<i>input_rate_controlled_bps</i>	(Optional) Input Rate Controlled BPS
<i>input_rate_controlled_pps</i>	(Optional) Input Rate Controlled PPS
<i>out_pkts_unicast_uncontrolled</i>	(Optional) Out Pkts Unicast Uncontrolled
<i>out_pkts_multicast_uncontrolled</i>	(Optional) Out Pkts Multicast Uncontrolled
<i>out_pkts_broadcast_uncontrolled</i>	(Optional) Out Pkts Broadcast Uncontrolled
<i>out_rx_drop_pkts_uncontrolled</i>	(Optional) Out Rx Drop Pkts Uncontrolled
<i>out_rx_err_pkts_uncontrolled</i>	(Optional) Out Rx Err Pkts Uncontrolled
<i>out_pkts_unicast_controlled</i>	(Optional) Out Pkts Unicast Controlled
<i>out_pkts_multicast_controlled</i>	(Optional) Out Pkts Multicast Controlled
<i>out_pkts_broadcast_controlled</i>	(Optional) Out Pkts Broadcast Controlled
<i>out_pkts_controlled</i>	(Optional) Out Pkts Controlled
<i>out_rx_drop_pkts_controlled</i>	(Optional) Out Rx Drop Pkts Controlled
<i>out_rx_err_pkts_controlled</i>	(Optional) Out Rx Err Pkts Controlled
<i>out_octets_uncontrolled</i>	(Optional) Out Octets Uncontrolled
<i>out_octets_controlled</i>	(Optional) Out Octets Controlled
<i>out_octets_common</i>	(Optional) Out Octets Common
<i>output_rate_uncontrolled_bps</i>	(Optional) Output Rate Uncontrolled BPS
<i>output_rate_uncontrolled_pps</i>	(Optional) Output Rate Uncontrolled PPS
<i>output_rate_controlled_bps</i>	(Optional) Output Rate Controlled BPS

<i>output_rate_controlled_pps</i>	(Optional) Output Rate Controlled PPS
<i>in_pkts_transform_error</i>	(Optional) In Pkts Transform Error
<i>in_pkts_control</i>	(Optional) In Pkts Control
<i>in_pkts_untagged</i>	(Optional) In Pkts Untagged
<i>in_pkts_no_tag</i>	(Optional) In Pkts No Tag
<i>in_pkts_badtag</i>	(Optional) In Pkts Bad Tag
<i>in_pkts_no_sci</i>	(Optional) In Pkts No SCI
<i>in_pkts_unknown_sci</i>	(Optional) In Pkts Unknown SCI
<i>in_pkts_tagged_ctrl</i>	(Optional) In Pkts Tagged Control
<i>out_pkts_transform_error</i>	(Optional) Out Pkts Transform Error
<i>out_pkts_control</i>	(Optional) Out Pkts Control
<i>out_pkts_untagged</i>	(Optional) Out Pkts Untagged
TABLE_rx_sa_an	(Optional) MACsec secy rx_sa_an statistics
<i>rx_sa_an</i>	(Optional) Rx SA AN
<i>in_pkts_unchecked</i>	(Optional) In Pkts Unchecked
<i>in_pkts_delayed</i>	(Optional) In Pkts Delayed
<i>in_pkts_late</i>	(Optional) In Pkts Late
<i>in_pkts_ok</i>	(Optional) In Pkts OK
<i>in_pkts_invalid</i>	(Optional) In Pkts Invalid
<i>in_pkts_not_valid</i>	(Optional) In Pkts not Valid
<i>in_pkts_not_using_sa</i>	(Optional) In Pkts not using SA
<i>in_pkts_unused_sa</i>	(Optional) In Pkts Unused SA
<i>in_octets_decrypted</i>	(Optional) In Octets Decrypted
<i>in_octets_validated</i>	(Optional) In Octets Validated
TABLE_tx_sa_an	(Optional) MACsec secy tx_sa_an statistics
<i>tx_sa_an</i>	(Optional) Tx SA AN
<i>out_pkts_encrypted_protected</i>	(Optional) Out Pkts Encrypted Protected
<i>out_pkts_too_long</i>	(Optional) Out Pkts too Long
<i>out_pkts_sa_not_inuse</i>	(Optional) Out Pkts SA not in use

<i>out_octets_encrypted_protected</i>	(Optional) Out octets Encrypted Protected
<i>ifname2</i>	(Optional) MACSEC Interface Name

Command Mode

- /exec

show maintenance maint-delay

show maintenance maint-delay [__readonly__ <delay>]

Syntax Description

show	Show running system information
maintenance	maintenance
maint-delay	maintenance mode CLI release delay value
__readonly__	(Optional)
<i>delay</i>	(Optional) delay value in seconds

Command Mode

- /exec

show maintenance on-reload reset-reasons

```
show maintenance on-reload reset-reasons [ __readonly__ [ TABLE_reset_reason <reset_reason> ] <rr_bitmap> ]
```

Syntax Description

<code>show</code>	Show running system information
<code>maintenance</code>	maintenance
<code>on-reload</code>	on reload maintenance mode configuration
<code>reset-reasons</code>	system reset reasons
<code>__readonly__</code>	(Optional)
<code>TABLE_reset_reason</code>	(Optional)
<code>rr_bitmap</code>	(Optional) reset reason bitmap
<code>reset_reason</code>	(Optional) system reset reason

Command Mode

- /exec

show maintenance profile

```
show maintenance profile [ <mode> ] [ __readonly__ TABLE_profile <name> [ TABLE_cfg <cfg> ] ]
```

Syntax Description

show	Show running system information
maintenance	maintenance
profile	maintenance profile
<i>mode</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_profile	(Optional)
<i>name</i>	(Optional) profile name
TABLE_cfg	(Optional)
<i>cfg</i>	(Optional) profile config

Command Mode

- /exec

show maintenance snapshot-delay

show maintenance snapshot-delay [__readonly__ <delay>]

Syntax Description

show	Show running system information
maintenance	maintenance
snapshot-delay	after_maintenance snapshot delay value
__readonly__	(Optional)
<i>delay</i>	(Optional) delay value in seconds

Command Mode

- /exec

show maintenance timeout

show maintenance timeout [__readonly__ <timeout>]

Syntax Description

show	Show running system information
maintenance	maintenance
timeout	timeout value
__readonly__	(Optional)
<i>timeout</i>	(Optional) timeout value

Command Mode

- /exec

show module

```
show module [ { <module> } | { <s0> [ <santa-cruz-range> ] } | { fabric [ <module> ] } ] [ __readonly__ {
TABLE_modinfo <modinf> <ports> <modtype> <model> <status> } [ { TABLE_modpwrinfo <modpwr>
<pwrstat> <reason> } ] [ { TABLE_modwwninfo <modwwn> <sw> <hw> <slottype> } [ { TABLE_modapplinfo
<modappl> <desc> <applver> } ] [ { TABLE_modmacinfo <modmac> <mac> <serialnum> } {
TABLE_moddiaginfo <mod> <diagstatus> } [ { TABLE_xbarinfo <xbarinf> <xbarports> <xbartype>
<xbarmodel> <xbarstatus> } ] [ { TABLE_xbarpwrinfo <xbarpwr> <xbarpwrstat> <xbarreason> } ] [ {
TABLE_xbarwwninfo <xbarwwn> <xbarsw> <xbarhw> <xbarwwnstr> } ] [ { TABLE_xbarmacinfo <xbarmac>
<xbarmacaddr> <xbarserialnum> } ] ] ]
```

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
__readonly__	(Optional)
TABLE_modinfo	(Optional) Show Module info
<i>modinf</i>	(Optional) Module
<i>ports</i>	(Optional) Num Ports
<i>modtype</i>	(Optional) Module Type
<i>model</i>	(Optional) Model
<i>status</i>	(Optional) Status
TABLE_modpwrinfo	(Optional) Mod Pwr Info
<i>modpwr</i>	(Optional) Module
<i>pwrstat</i>	(Optional) Power Status
<i>reason</i>	(Optional) Reason
TABLE_modwwninfo	(Optional) Mod WWN Info
<i>modwwn</i>	(Optional) Module
<i>sw</i>	(Optional) SW Ver
<i>hw</i>	(Optional) HW Ver

<i>slottype</i>	(Optional) Slot
TABLE_modapplinfo	(Optional) Mod Appl image info
<i>modappl</i>	(Optional) Module
<i>desc</i>	(Optional) Image desc
<i>applver</i>	(Optional) Version
TABLE_modmacinfo	(Optional) Mod MAC Info
<i>modmac</i>	(Optional) Module
<i>mac</i>	(Optional) MAC
<i>serialnum</i>	(Optional) Serial Num
TABLE_moddiaginfo	(Optional) Mod diag info
<i>mod</i>	(Optional) Module
<i>diagstatus</i>	(Optional) Diag status
TABLE_xbarinfo	(Optional) Show xbar info
<i>xbarinf</i>	(Optional) Module
<i>xbarports</i>	(Optional) Num Ports
<i>xbartype</i>	(Optional) Module Type
<i>xbarmodel</i>	(Optional) Model
<i>xbarstatus</i>	(Optional) Status
TABLE_xbarpwrinfo	(Optional) Xbar Pwr Info
<i>xbarpwr</i>	(Optional) Module
<i>xbarpwrstat</i>	(Optional) Power Status
<i>xbarreason</i>	(Optional) Reason
TABLE_xbarwwninfo	(Optional) Xbar WWN Info
<i>xbarwwn</i>	(Optional) Module
<i>xbarsw</i>	(Optional) SW Ver
<i>xbarhw</i>	(Optional) HW Ver
<i>xbarwwnstr</i>	(Optional) WWN
TABLE_xbarmacinfo	(Optional) Xbar MAC Info
<i>xbarmac</i>	(Optional) Module

<i>xbarmacaddr</i>	(Optional) MAC
<i>xbarserialnum</i>	(Optional) Serial Num

Command Mode

- /exec

show module bandwidth-fairness

show module <module> bandwidth-fairness [__readonly__ { TABLE_fairness <statement> }]

Syntax Description

show	Show running system information
module	Show module information
<i>module</i>	Enter module number
bandwidth-fairness	Show bandwidth fairness status
__readonly__	(Optional)
TABLE_fairness	(Optional)
<i>statement</i>	(Optional)

Command Mode

- /exec

show module uptime

```
show module uptime [ __readonly__ { TABLE_uptimeinf <slot> <starttime> <daysup> <hoursup> <minutesup>
<secondsup> } ]
```

Syntax Description

show	Show running system information
module	Show module information
uptime	Show how long the module has been up and running
__readonly__	(Optional)
TABLE_uptimeinf	(Optional) Show uptime info
slot	(Optional) Slot
starttime	(Optional) Start Time
daysup	(Optional) Days Up
hoursup	(Optional) Hours Up
minutesup	(Optional) Minutes Up
secondsup	(Optional) Seconds Up

Command Mode

- /exec

show monitor

show monitor [*__readonly__* *TABLE_session* <session_number> <state> <state_reason> <description>]

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_session</i>	(Optional) show monitor
<i>session_number</i>	(Optional) session id
<i>state</i>	(Optional) State
<i>state_reason</i>	(Optional) State reason
<i>description</i>	(Optional) Session Description

Command Mode

- /exec

show monitor session

```
show monitor session { all | <session_number> | warp | range <session_range> } [ { drops | brief } ] [
__readonly__ [ TABLE_session <session_number> [ <description> ] [ <type> ] [ <version> ] [ <state> ] [
<state_reason> ] [ <err_desc> ] [ <flow_id> ] [ <switch_id> ] [ <erspan_granularity> ] [ <vrf_name> ] [
<acl_name> ] [ <erspan_ttl> ] [ <erspan_dscp> ] [ <header_type> ] [ <span_mtu> ] [ <span_sampling> ] [
<ip_filter> ] + [ <dst_ip> ] [ <origin_ip> ] [ <src_ip> ] [ <control_pkt_filter> ] [ TABLE_sources_rx [
<sources_rx> ] ] [ TABLE_sources_tx [ <sources_tx> ] ] [ TABLE_sources_both [ <sources_both> ] ] [
<source_vlans_rx> ] [ <source_vlans_tx> ] [ <source_vlans_both> ] [ <source_vsans_rx> ] [ <tree-id>
<switchid> ] + [ <filter_vlans> ] [ <destinations> ] + [ <acl_destinations> ] + [ <rate_limit_cap> ] + [
<mtu_capability> ] + [ <sampling_capability> ] + [ <mcbe> ] + [ <l3_egress_span> ] + [ <erspan_acl> ] + [
<erspan_v3_cap> ] + [ <erspan_v2_cap> ] + [ <erspan_gran_cap> ] + [ <fex_ingress_intf> ] + [ <sources_rx_2>
] + [ <marker_time_intv> ] [ <marker_pkt_count> ] [ <marker_pkt_fail> ] [ <erspan_egress_if> ] [ <drops>
] [ <inactive> ] ] ] ]
```

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information
session	Show session info
all	All sessions
<i>session_number</i>	
warp	warp session
range	Specify a range
<i>session_range</i>	
brief	(Optional) Brief information
drops	(Optional) show drop count
<u>__readonly__</u>	(Optional) Read only
TABLE_session	(Optional) show monitor
<i>session_number</i>	(Optional) session number
<i>description</i>	(Optional) Session Description
<i>type</i>	(Optional) Session type
<i>version</i>	(Optional) Erspan source version: v2/v3
<i>state</i>	(Optional) State
<i>state_reason</i>	(Optional) State reason
<i>err_desc</i>	(Optional) Error Description

<i>flow_id</i>	(Optional) erspan-id
<i>switch_id</i>	(Optional) erspan_switch-id
<i>erspan_granularity</i>	(Optional) ERSPAN Type III Granularity
<i>vrf_name</i>	(Optional) ERSPAN session VRF
<i>acl_name</i>	(Optional) ERSPAN session ACL
<i>erspan_ttl</i>	(Optional) ERSPAN TTL Value
<i>erspan_dscp</i>	(Optional) ERSPAN DSCP Value
<i>header_type</i>	(Optional) ERSPAN Header Type
<i>span_mtu</i>	(Optional) SPAN MTU value
<i>span_sampling</i>	(Optional) SPAN sampling range
<i>ip_filter</i>	(Optional) IP filter value
<i>dst_ip</i>	(Optional) ERSPAN destination IP
<i>origin_ip</i>	(Optional) ERSPAN origin IP at source router
<i>src_ip</i>	(Optional) ERSPAN source IP
<i>control_pkt_filter</i>	(Optional) Control packet filter value
TABLE_sources_rx	(Optional) ingress intf table
<i>sources_rx</i>	(Optional) List of ingress sources
TABLE_sources_tx	(Optional) egress intf table
<i>sources_tx</i>	(Optional) List of egress sources
TABLE_sources_both	(Optional) bi-direction intf table
<i>sources_both</i>	(Optional) List of sources in both directions
<i>source_vlans_rx</i>	(Optional) Source ingress vlan
<i>source_vlans_tx</i>	(Optional) Source egress vlan
<i>source_vlans_both</i>	(Optional) Source vlans in both directions
<i>tree-id</i>	(Optional) proxy layer2 gateway source tree-id
<i>switchid</i>	(Optional) proxy layer2 gateway source switchid
<i>filter_vlans</i>	(Optional) Filter vlans
<i>destinations</i>	(Optional) List of destinations

<i>acl_destinations</i>	(Optional) List of interfaces that wont work for acl capture
<i>rate_limit_cap</i>	(Optional) List of modules that support Rate Limit
<i>mtu_capability</i>	(Optional) List of modules that support MTU
<i>sampling_capability</i>	(Optional) List of modules that support Sampling
<i>mcbe</i>	(Optional) List all modules that support multicast best effort
<i>l3_egress_span</i>	(Optional) List of modules that support L3 Multicast Egress SPAN
<i>erspan_acl</i>	(Optional) List of modules that support ERSPAN ACL filtering
<i>erspan_v3_cap</i>	(Optional) List of modules that support erspan version3
<i>erspan_v2_cap</i>	(Optional) List of modules that support erspan version2
<i>erspan_gran_cap</i>	(Optional) List of modules that support the granularity set
<i>fex_ingress_intf</i>	(Optional) List of fex interfaces that wont work for ingress span
<i>erspan_egress_if</i>	(Optional) Egress interface for ERSPAN SRC session
<i>sources_rx_2</i>	(Optional) List of ingress sources
<i>marker_time_intv</i>	(Optional) Marker packet interval
<i>marker_pkt_count</i>	(Optional) Marker packet count
<i>marker_pkt_fail</i>	(Optional) Marker packet fail count
<i>drops</i>	(Optional) Drop count
<i>inactive</i>	(Optional) Session is inactive

Command Mode

- /exec

show mpls forwarding statistics

```
show mpls forwarding statistics [ interface { <interface> | all } ] [ __readonly__ { TABLE_mpls_stats [
<intf_name> ] <mpls_packets_sent> <mpls_bytes_sent> <mpls_packets_received> <mpls_bytes_received>
<mpls_packets_forwarded> <mpls_bytes_forwarded> <mpls_packets_originated> <mpls_bytes_originated>
<mpls_packets_consumed> <mpls_bytes_consumed> <mpls_packets_input_dropped>
<mpls_bytes_input_dropped> <mpls_packets_output_dropped> <mpls_bytes_output_dropped> } ]
```

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
<i>__readonly__</i>	(Optional)
TABLE_mpls_stats	(Optional) MPLS forwarding statistics
<i>intf_name</i>	(Optional) Interface name
<i>mpls_packets_sent</i>	(Optional) mpls packet sent
<i>mpls_bytes_sent</i>	(Optional) mpls bytes sent
<i>mpls_packets_received</i>	(Optional) mpls packet received
<i>mpls_bytes_received</i>	(Optional) mpls bytes received
<i>mpls_packets_forwarded</i>	(Optional) mpls packet forwarded
<i>mpls_bytes_forwarded</i>	(Optional) mpls bytes forwarded
<i>mpls_packets_originated</i>	(Optional) mpls packet originated
<i>mpls_bytes_originated</i>	(Optional) mpls bytes originated
<i>mpls_packets_consumed</i>	(Optional) mpls packet consumed
<i>mpls_bytes_consumed</i>	(Optional) mpls bytes consumed
<i>mpls_packets_input_dropped</i>	(Optional) mpls packet input dropped
<i>mpls_bytes_input_dropped</i>	(Optional) mpls bytes input dropped
<i>mpls_packets_output_dropped</i>	(Optional) mpls packet output dropped

<i>mpls_bytes_output_dropped</i>	(Optional) mpls bytes output dropped
----------------------------------	--------------------------------------

Command Mode

- /exec

show mpls interfaces

show mpls interfaces [*__readonly__* *TABLE_mpls_interface* <intf> <oper>]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Display MPLS Interfaces
<i>__readonly__</i>	(Optional)
<i>TABLE_mpls_interface</i>	(Optional)
<i>intf</i>	(Optional)
<i>oper</i>	(Optional)

Command Mode

- /exec

show mpls interfaces detail

```
show mpls interfaces detail [ __readonly__ TABLE_mpls_interface_det <intf> <client_name> <oper_str>
<ls_id> <mpls_sublayer_name> <mpls_sublayer_id> ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
detail	Detail
<i>__readonly__</i>	(Optional)
<i>TABLE_mpls_interface_det</i>	(Optional)
<i>intf</i>	(Optional)
<i>client_name</i>	(Optional)
<i>oper_str</i>	(Optional)
<i>ls_id</i>	(Optional)
<i>mpls_sublayer_name</i>	(Optional)
<i>mpls_sublayer_id</i>	(Optional)

Command Mode

- /exec

show mpls interfaces statistics

```
show mpls interfaces <ifname> statistics [ __readonly__ TABLE_mpls_interface_stats <intf> <enabled> [
<pkts_in> ] [ <bytes_in> ] [ <pkts_out> ] [ <bytes_out> ] ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
<i>ifname</i>	Interface Name
statistics	statistics
<i>__readonly__</i>	(Optional)
TABLE_mpls_interface_stats	(Optional)
<i>intf</i>	(Optional)
<i>enabled</i>	(Optional)
<i>pkts_in</i>	(Optional)
<i>bytes_in</i>	(Optional)
<i>pkts_out</i>	(Optional)
<i>bytes_out</i>	(Optional)

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 ] [ __readonly__ { TABLE_bnd [ <ldp_ctx> ] [ <llaf> ] [ {
TABLE_bnd_acl_list <oldstyle> <prefix_acl> <peer_acl> } ] [ { TABLE_bnd_rec <lib_addr> <lib_mask>
[ <lcl_bnd_rev> ] [ <no_route> ] [ <chkpt> ] [ <local_label> ] [ <withdraw> ] [ { TABLE_bnd_peer_list
<peer_ident> } ] [ <remote_label> ] [ <remote_lsr> ] [ <rem_lbl_in_use> ] [ <stale_gr> ] [
<advert_acl_pending> ] [ <peer_acl> ] [ <prefix_acl> ] } } ] ] ] ]
```

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
__readonly__	(Optional) Read Only
TABLE_bnd	(Optional) Show bindings or tib summary for a vrf
<i>ldp_ctx</i>	(Optional) LDP context
<i>llaf</i>	(Optional) Local label filtering spec
TABLE_bnd_acl_list	(Optional) Show advertisement access lists for default vrf
<i>oldstyle</i>	(Optional) Oldstyle assignment of prefix acls to entries
<i>prefix_acl</i>	(Optional) Prefix acl
<i>peer_acl</i>	(Optional) Peer acl
TABLE_bnd_rec	(Optional) Show bindings in a vrf
<i>lib_addr</i>	(Optional) LIB entry IP address
<i>lib_mask</i>	(Optional) LIB entry mask
<i>lcl_bnd_rev</i>	(Optional) Local binding revision for lib entry
<i>no_route</i>	(Optional) Displays if no route present for lib entry
<i>chkpt</i>	(Optional) Checkpoint state for lib entry
<i>local_label</i>	(Optional) Local label
<i>withdraw</i>	(Optional) Displays if label withdrawn or label withdraw sent
<i>remote_lsr</i>	(Optional) Remote binding label switched route for lib entry
<i>remote_label</i>	(Optional) Remote label for lib entry
<i>rem_lbl_in_use</i>	(Optional) Displays if out label is in use
<i>stale_gr</i>	(Optional) Displays if stale GR binding for lib entry
<i>advert_acl_pending</i>	(Optional) Displays if advert acl action pending for lib entry
<i>peer_acl</i>	(Optional) Advertisement acl: Peer acl name for lib entry
<i>prefix_acl</i>	(Optional) Advertisement acl: Prefix acl name for lib entry

TABLE_bnd_peer_list	(Optional) Show list of peers to which local label has been advertised
<i>peer_ident</i>	(Optional) Peer to which local label has been advertised

Command Mode

- /exec

show mpls ip bindings summary

```
show mpls ip bindings summary [ __readonly__ { TABLE_bnd [ <total_prefixes> ] [ <assigned_bindings>
] [ <local_bindings> ] [ <rem_bindings> ] [ <total_rt_info> ] [ <current_prev_lbl_entries> ] [
<total_prev_lbl_entries> ] [ <current_prev_lbl_queues> ] [ <total_prev_lbl_queues> ] } ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
summary	Show summary information
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_bnd</i>	(Optional) Show bindings or tib summary for a vrf
<i>total_prefixes</i>	(Optional) Total number of prefixes
<i>assigned_bindings</i>	(Optional) Total number of assigned bindings
<i>total_rt_info</i>	(Optional) Total tib route info allocated
<i>local_bindings</i>	(Optional) Total number of locally assigned bindings
<i>rem_bindings</i>	(Optional) Total number of remote bindings
<i>current_prev_lbl_entries</i>	(Optional) Current number of previous tib remote label entries allocated
<i>total_prev_lbl_entries</i>	(Optional) Total number of previous tib remote label entries allocated
<i>current_prev_lbl_queues</i>	(Optional) Current number of previous tib remote label queues allocated
<i>total_prev_lbl_queues</i>	(Optional) Total number of previous tib remote label queues allocated

Command Mode

- /exec

show mpls ip ttl

```
show mpls ip ttl [ __readonly__ TABLE_mpls_ip_ttl <prop_or_exp> [ <forwarded> ] [ <local> ] [ <exp_count> ] ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	Display IP information
ttl	TTL related information
<i>__readonly__</i>	(Optional)
<i>TABLE_mpls_ip_ttl</i>	(Optional)
<i>prop_or_exp</i>	(Optional)
<i>forwarded</i>	(Optional)
<i>local</i>	(Optional)
<i>exp_count</i>	(Optional)

Command Mode

- /exec

show mpls label range

```
show mpls label range [ __readonly__ <dynamic-min> <dynamic-max> [ <static-min> <static-max> ] [
<srgb-min> <srgb-max> ] ]
```

Syntax Description

show	Show running system information
mpls	MPLS configuration commands
label	Label properties
range	Label range
<i>__readonly__</i>	(Optional)
<i>dynamic-min</i>	(Optional)
<i>dynamic-max</i>	(Optional)
<i>static-min</i>	(Optional)
<i>static-max</i>	(Optional)
<i>srgb-min</i>	(Optional)
<i>srgb-max</i>	(Optional)

Command Mode

- /exec

show mpls load-sharing

```
show mpls load-sharing [ __readonly__ TABLE_mpls_load_sharing [ <label-ip> ] [ <label-only> ] ]
```

Syntax Description

show	Show running system information
mpls	MPLS information
load-sharing	Show mpls load sharing options
__readonly__	(Optional)
TABLE_mpls_load_sharing	(Optional) Table for MPLS Load Sharing
<i>label-ip</i>	(Optional) Label IP load sharing
<i>label-only</i>	(Optional) Label only load sharing

Command Mode

- /exec

show mpls oam echo statistics

```
show mpls oam echo statistics [ summary ] [ __readonly__ <rq_sent> <rq_timeout> <rq_unsent> <rq_rcvd>
<rx_sent> <rx_unsent> <rx_rcvd> <rc_zero> <rc_one> <rc_two> <rc_three> <rc_four> <rc_five> <rc_six>
<rc_seven> <rc_eight> <rc_nine> <rc_ten> <rc_eleven> <rc_twelve> <rc_thirteen> <rc_fourteen>
<summary_flag> ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
oam	Display OAM information
echo	Echo request information
statistics	Detailed Echo packet statistics
summary	(Optional) Echo packet statistics summary
<i>__readonly__</i>	(Optional)
<i>rq_sent</i>	(Optional) Requests sent
<i>rq_timeout</i>	(Optional) Requests timeout
<i>rq_unsent</i>	(Optional) Requests unsent
<i>rq_rcvd</i>	(Optional) Requests received
<i>rx_sent</i>	(Optional) Replies sent
<i>rx_unsent</i>	(Optional) Replies unsent
<i>rx_rcvd</i>	(Optional) Replies received
<i>rc_zero</i>	(Optional) Return code zero
<i>rc_one</i>	(Optional) Return code one
<i>rc_two</i>	(Optional) Return code two
<i>rc_three</i>	(Optional) Return code three
<i>rc_four</i>	(Optional) Return code four
<i>rc_five</i>	(Optional) Return code five
<i>rc_six</i>	(Optional) Return code six
<i>rc_seven</i>	(Optional) Return code seven
<i>rc_eight</i>	(Optional) Return code eight

<i>rc_nine</i>	(Optional) Return code nine
<i>rc_ten</i>	(Optional) Return code ten
<i>rc_eleven</i>	(Optional) Return code eleven
<i>rc_twelve</i>	(Optional) Return code twelve
<i>rc_thirteen</i>	(Optional) Return code thirteen
<i>rc_fourteen</i>	(Optional) Return code fourteen
<i>summary_flag</i>	(Optional) Summary flag

Command Mode

- /exec

show mpls static binding

```
show mpls static binding [ vrf { <vrf-name> | <vrf-known-name> } ] { { ipv4 [ <prefix> { <mask> |
<mask-length> } | <prefix-mask> ] [ local | remote ] [ nexthop <addr> ] [ inconsistency ] [ lsp <slb_name> ]
} | { ipv6 [ <ipv6-prefix> ] [ local | remote ] [ ipv6-nexthop <ipv6-addr> ] [ inconsistency ] } | all [ inconsistency
] } [ __readonly__ [ TABLE_slb [ <slb_name> ] [ <slb_prefix> ] [ <slb_mask> ] <slb_vrf> <slb_inlabel> [
<slb_type> ] [ TABLE_slb_outlbl_list [ <slb_nh_path_num> ] <slb_nhops> <slb_outlabel> ] [
<inconsistency_reason> ] ] ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	Show ipv4 static label bindings
ipv6	Show ipv6 static label bindings
all	Show all static label bindings
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
local	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
remote	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
inconsistency	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>prefix</i>	(Optional) Destination ipv4 prefix
<i>mask</i>	(Optional) Destination ipv4 prefix mask
<i>mask-length</i>	(Optional) Ipv4 mask length
<i>prefix-mask</i>	(Optional) Destination prefix/mask
nexthop	(Optional) Ipv4 next hop address
<i>addr</i>	(Optional) Ipv4 Next hop address
ipv6-nexthop	(Optional) Ipv6 next hop address
lsp	(Optional) LSP Name
__readonly__	(Optional) Read Only

TABLE_slb	(Optional) Show static label bindings for a given prefix
<i>slb_name</i>	(Optional) Name
<i>slb_prefix</i>	(Optional) Prefix
<i>slb_type</i>	(Optional) SLB Type
<i>slb_mask</i>	(Optional) Mask bits
<i>slb_vrf</i>	(Optional) VRF name for prefix
<i>slb_inlabel</i>	(Optional) Incoming label for prefix
TABLE_slb_outlbl_list	(Optional) Show static outgoing labels for prefix
<i>slb_nhop</i>	(Optional) Next-hop address
<i>slb_nh_path_num</i>	(Optional) Identifier for outgoing nexthop
<i>slb_outlabel</i>	(Optional) Outgoing label for next-hop address
<i>inconsistency_reason</i>	(Optional) Reason for inconsistency

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> ] [ __readonly__ { TABLE_slb [
<slb_prefix> <slb_mask> ] <slb_vrf> <slb_inlabel> [ { TABLE_slb_outlbl_list <slb_nhop> <slb_outlabel>
} } ] ]
```

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
__readonly__	(Optional) Read Only
TABLE_slb	(Optional) Show static label bindings for a given prefix
<i>slb_prefix</i>	(Optional) Prefix
<i>slb_mask</i>	(Optional) Mask bits
<i>slb_vrf</i>	(Optional) VRF name for prefix
<i>slb_inlabel</i>	(Optional) Incoming label for prefix
TABLE_slb_outlbl_list	(Optional) Show static outgoing labels for prefix

<i>slb_nhop</i>	(Optional) Next-hop address
<i>slb_outlabel</i>	(Optional) Outgoing label for next-hop address

Command Mode

- /exec

show mpls static trace

show mpls static trace { error | warning | event } [size]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Static Label Bindings
trace	MPLS static trace
error	MPLS static error trace
warning	MPLS static warning trace
event	MPLS static event trace
size	(Optional) trace buffer size in Kbytes

Command Mode

- /exec

show mpls switching

```
show mpls switching [ labels <label> [ <max-label> ] | interface <intf> | { <ip-addr> | <ipv4-prefix> } [ vrf
{ <vrf-name> | <vrf-known-name> | all } ] | <ipv6-prefix> [ vrf { <vrf-name> | <vrf-known-name> | all } ] |
traffic-eng srpath [ <srte-path-id> ] | aggregate [ ipv4 | ipv6 ] [ vrf { <vrf-name> | <vrf-known-name> | all }
] | { fec { ipv4_prefix [ vrf { <vrf-name> | <vrf-known-name> | all } ] | ipv6_prefix [ vrf { <vrf-name> |
<vrf-known-name> | all } ] | deagg [ vrf { <vrf-name> | <vrf-known-name> | all | ias_vpnv4 | ias_vpnv6 } ]
| per-bd <per-bd-vlan-id> } } | { summary } ] [ detail ] [ private ] [ vrf { <vrf-name> | <vrf-known-name> |
all } ] [ _readonly_ [ [ TABLE_vrf [ <vrf_name> ] [ [ TABLE_inlabel <in_label> [ [ { <out_label_stack>
+ } ] { <srte_path_id> | <ipv4_prefix> | <ipv6_prefix> } [ <out_interface> ] { <ipv4_next_hop> |
<ipv6_next_hop> } [ <weight> ] ] [ <deagg_vrf> [ <deagg_af> ] ] [ { <tunnel_v4_mid_source> |
<tunnel_v6_mid_source> } <tunnel_id> { <ext_v4_tunnel_id> | <ext_v6_tunnel_id> } <tunnel_instance>
<tunnel_head> ] [ <nhlfe_p2p_flag> ] [ <nhlfe_fr_status> ] [ <nhlfe_stale_flag> ] [ <in_packets> <in_bytes>
] [ [ <out_label> + ] <out_packets> + <out_bytes> + ] [ { <tunnel_v4_mid_dest> | <tunnel_v6_mid_dest> }
{ <ipv4_next_hop> | <ipv6_next_hop> } ] [ <per_ce_table> <per_ce_nh_set_id> ] [ { <ias_v4_prefix> |
<ias_v6_prefix> } <ias_rd> ] [ <fec_none_label> ] [ <per_bd_vlan_id> ] [ <table_name> ] ] [
TABLE_adj_sid_inlabel <adj_sid_in_label> <out_label> { <ipv4_addr> | <ipv6_addr> } <out_interface> {
<adj_sid_ipv4_next_hop> | <adj_sid_ipv6_next_hop> } [ <in_packets> <in_bytes> ] [ [ <out_label> + ]
<out_packets> + <out_bytes> + ] ] ] [ TABLE_block <blockid> <lbl_range> ] ] ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
traffic-eng	(Optional) Show traffic-engineering related entries
srpath	(Optional) Show traffic-engineering segment-routing path entries
<i>ip-addr</i>	(Optional) Match destination address
<i>ipv4-prefix</i>	(Optional) Specify an IP prefix/mask
fec	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
labels	(Optional) Show a specific label-related information
<i>label</i>	(Optional) Low label value
<i>max-label</i>	(Optional) High label value
interface	(Optional) Match outgoing interface
aggregate	(Optional) Show aggregate-related information
<i>intf</i>	(Optional) Specify outgoing interface
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

detail	(Optional) Detailed information
ipv4_prefix	(Optional) IPv4 prefix
ipv6_prefix	(Optional) IPv6 prefix
ipv4	(Optional) Display IPv4 information
ipv6	(Optional) Display IPv6 information
deagg	(Optional) De-aggregation
per-bd	(Optional) BD FEC
ias_vpnv4	(Optional) Display Inter-AS V4 information
ias_vpnv6	(Optional) Display Inter-AS V6 information
<i>srtc-path-id</i>	(Optional) Traffic-engineering segment-routing path id
<i>per-bd-vlan-id</i>	(Optional) Per BD id
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf_name</i>	(Optional)
TABLE_inlabel	(Optional)
<i>in_label</i>	(Optional)
<i>out_label_stack</i>	(Optional)
<i>ipv4_prefix</i>	(Optional)
<i>tunnel_v4_mid_source</i>	(Optional)
<i>tunnel_v4_mid_dest</i>	(Optional)
<i>tunnel_id</i>	(Optional)
<i>ext_v4_tunnel_id</i>	(Optional)
<i>tunnel_instance</i>	(Optional)
<i>tunnel_head</i>	(Optional)
<i>deagg_vrf</i>	(Optional)

<i>deagg_af</i>	(Optional)
<i>out_interface</i>	(Optional)
<i>ipv4_next_hop</i>	(Optional)
<i>ipv6_next_hop</i>	(Optional)
<i>weight</i>	(Optional)
<i>nhlfe_frr_status</i>	(Optional)
<i>nhlfe_stale_flag</i>	(Optional)
<i>nhlfe_p2p_flag</i>	(Optional)
<i>table_name</i>	(Optional)
<i>in_packets</i>	(Optional)
<i>in_bytes</i>	(Optional)
<i>out_label</i>	(Optional)
<i>out_packets</i>	(Optional)
<i>out_bytes</i>	(Optional)
<i>per_ce_table</i>	(Optional)
<i>per_ce_nh_set_id</i>	(Optional)
<i>fec_none_label</i>	(Optional)
<i>ias_v4_prefix</i>	(Optional)
<i>ias_v6_prefix</i>	(Optional)
<i>ias_rd</i>	(Optional)
<i>srte_path_id</i>	(Optional)
<i>per_bd_vlan_id</i>	(Optional)
TABLE_adj_sid_inlabel	(Optional)
<i>adj_sid_in_label</i>	(Optional)
<i>out_label</i>	(Optional)
<i>ipv4_addr</i>	(Optional)
<i>out_interface</i>	(Optional)
<i>adj_sid_ipv4_next_hop</i>	(Optional)
<i>adj_sid_ipv6_next_hop</i>	(Optional)

<i>in_packets</i>	(Optional)
<i>in_bytes</i>	(Optional)
<i>out_packets</i>	(Optional)
<i>out_bytes</i>	(Optional)
TABLE_block	(Optional)
<i>blockid</i>	(Optional)
<i>lbl_range</i>	(Optional)

Command Mode

- /exec

show mpls switching clients

```
show mpls switching clients [ __readonly__ [ TABLE_client <pib-name> <pib-index> <pib-uuid> <pib-sap>
<stale-time> <pib-flag> [ <stale-due> ] <reg-msg> <conv-msg> [ <inv-conv> ] <fec-msg> <fec-add> <ile-add>
<fec-del> <ile-del> <last-xid> <fec-ack> ] ]
```

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
__readonly__	(Optional)
TABLE_client	(Optional)
<i>pib-name</i>	(Optional) Name of the client(pib)
<i>pib-index</i>	(Optional) PIB Index
<i>pib-uuid</i>	(Optional) PIB UUID
<i>pib-sap</i>	(Optional) MTS SAP for the pib
<i>stale-time</i>	(Optional) Stale time
<i>pib-flag</i>	(Optional) Flags set by the pib
<i>stale-due</i>	(Optional) Stale timer due in
<i>reg-msg</i>	(Optional) Number of Registration Message
<i>conv-msg</i>	(Optional) Number of Converge Message
<i>inv-conv</i>	(Optional) Number of Invalid Convergence message
<i>fec-msg</i>	(Optional) Number of FEC messages
<i>fec-add</i>	(Optional) Number of FEC Add messages
<i>ile-add</i>	(Optional) Number of ILE Add messages
<i>fec-del</i>	(Optional) Number of FEC delete messages
<i>ile-del</i>	(Optional) Number of ILE delete messages
<i>last-xid</i>	(Optional) Last XID
<i>fec-ack</i>	(Optional) Number of FEC Ack messages sent

Command Mode

- /exec

show mvpn bgp mdt

```
show mvpn bgp { mdt-safi | auto-discovery } [ mdt-source <src-addr> ] [ __readonly__ { TABLE_entry
<bgp_rd> <mdt_src> <mdt_grp> <local> } ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
bgp	Display BGP related information
mdt-safi	Display Auto-discovered BGP MDT-SAFI database
auto-discovery	Display Auto-discovered BGP MDT-SAFI database
mdt-source	(Optional) Source address of MVPN neighbor
<i>src-addr</i>	(Optional) Source Address
<i>__readonly__</i>	(Optional)
TABLE_entry	(Optional)
<i>bgp_rd</i>	(Optional)
<i>mdt_src</i>	(Optional)
<i>mdt_grp</i>	(Optional)
<i>local</i>	(Optional)

Command Mode

- /exec

show mvpn mdt encap

```
show mvpn mdt encap [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<out_context> { TABLE_encap <encap_index> <mdt_grp> <mdt_src> <mdt_src_if> } ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
encap	Display MDT Encap table
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_encap	(Optional)
<i>encap_index</i>	(Optional)
<i>mdt_grp</i>	(Optional)
<i>mdt_src</i>	(Optional)
<i>mdt_src_if</i>	(Optional)

Command Mode

- /exec

show mvpn mdt route

```
show mvpn mdt route [ detail ] [ __readonly__ TABLE_vrf <out_context> [ TABLE_mroute <src_addr>
<grp_addr> <uptime> <ref_count> ] ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
route	Display MDT route information
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_mroute	(Optional)
<i>src_addr</i>	(Optional)
<i>grp_addr</i>	(Optional)
<i>uptime</i>	(Optional)
<i>ref_count</i>	(Optional)

Command Mode

- /exec

show mvpn mdt route