M Show Commands

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
maclist-name	(Optional) Name of mac-list
maclist-cfg-name	(Optional) Known mac-list name
seq	(Optional) Sequence number
seq_no	(Optional) Sequence number
mac_addr	(Optional) MAC address
mac_mask	(Optional) MAC mask
__readonly__	(Optional)
TABLE_mac_list	(Optional)
name	(Optional)
seq	(Optional)
action	(Optional)
rule	(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
module	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
mac-addr	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
swid	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
sswid	(Optional) Sub Switch ID
interface	(Optional) Interface
interface-name	(Optional) Interface name
vlan	(Optional) VLAN
vlan1	(Optional) VLAN
id	(Optional) VLAN ID
vdc	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vdc1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vdc	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

e-vdc	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
fe	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
fe1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
feid	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
hex	(Optional) display swid/sswid/lid in hex
__readonly__	(Optional)
header	(Optional) Header
pi_e	(Optional) Primary Interface of EARL
age	(Optional) Last seen age in seconds
rm	(Optional) RM
ifname	(Optional) interface name as string
sec	(Optional) secure
ntfy	(Optional) notify
entrycount	(Optional) Number of L2 entries
l2entry	(Optional) L2 Entry String
type	(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
mac-addr	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
swid	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
sswid	(Optional) Sub Switch ID
interface	(Optional) Interface
interface1	(Optional) Interface
interface-name	(Optional) Interface name
interface2	(Optional) Interface
interface-name	(Optional) Interface name

vlan	(Optional) VLAN
vlan1	(Optional) VLAN
id	(Optional) VLAN ID
vni	(Optional) VXLAN Network Identifier
vni1	(Optional) VXLAN Network Identifier
vni-id	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
peer-ipv4	(Optional) VXLAN Peer IP Address
peer-ipv6	(Optional) VXLAN Peer IPv6 Address
es	(Optional) EVPN Remote ESID
esid-opt1	(Optional) EE:EE:EE:EE:EE:EE:EE:EE:EE:EE ESID Option 1
esid-opt2	(Optional) EEEE.EEEE.EEEE.EEEE.EEEE ESID Option 2
all	(Optional) all ESIs
__readonly__	(Optional)
TABLE_mac_address	(Optional) Mac address table
disp_is_static	(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
__readonly__	(Optional)
age_str	(Optional) Age info
age	(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>] [<dyn_cnt>] [<otv_cnt>] [<rvtep_static_cnt>] [<static_cnt>] [<secure_cnt>] [<total_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
id	(Optional) VLAN ID
interface	(Optional) Interface
interface1	(Optional) Interface
interface-name	(Optional) Interface name
switch-id	(Optional) Remote Switch ID
swid	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
sswid	(Optional) Sub Switch ID
vni	(Optional) VXLAN Network Identifier
vni-id	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
peer-ipv4	(Optional) VXLAN Peer IP Address
peer-ipv6	(Optional) VXLAN Peer IPv6 Address
__readonly__	(Optional)

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

Command Mode

- /exec

show mac address-table count es

show mac address-table count es { <es-id> | <es-id2> | all } [__readonly__ { [<es-id>] [<count>] [TABLE_macaddtblcount <es-idx> <es-count>] }]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
es	EVPN Remote ESID
es-id	EE:EE:EE:EE:EE:EE:EE:EE:EE:EE ESID
es-id2	EEEE.EEEE.EEEE.EEEE.EEEE ESID
all	all ESIs
__readonly__	(Optional)
es-id	(Optional) Specfic ESID
count	(Optional) Number of entries for specific ESID
TABLE_macaddtblcount	(Optional) Display all ESID and its count in mac table
es-idx	(Optional) ESID
es-count	(Optional) Number of entries

Command Mode

- /exec

show mac address-table limit

show mac address-table limit { all | system | vlan | interface } [__readonly__ <limit_str> <limit>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
limit	Configured/default mac limit
__readonly__	(Optional)
limit_str	(Optional) Limit info
limit	(Optional) Mac limit
all	Display Mac Limit All
system	System-wide
vlan	VLAN
interface	Interface

Command Mode

- /exec

show mac address-table limit user-defined

show mac address-table limit user-defined [__readonly__ <user_cnt> <fhrp_cnt>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
limit	mac limit
user-defined	limit the number of unique mac addresses used on any type of L3 interface
__readonly__	(Optional)
user_cnt	(Optional) user defined mac limit
fhrp_cnt	(Optional) fhrp limit

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
loop-detect	Display Action for Mac Loop Detection
__readonly__	(Optional)
port_loop_detect	(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
vlan	(Optional) VLAN
bridge-domain	(Optional) BD
bdid	(Optional) BD
__readonly__	(Optional)
TABLE_mac	(Optional)
vlan-id	(Optional)
mac-addr	(Optional)
type	(Optional)
age	(Optional)
TABLE_oif	(Optional)
oifs	(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_moved_border> <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
__readonly__	(Optional) Read Only
TABLE_mac_notif	(Optional) Mac address notification table
disp_mm_status	(Optional) Mac Move Status
disp_mm_triggers	(Optional) # of triggers
disp_macs_added	(Optional) Number of MACs added since system bring up
disp_macs_removed	(Optional) Number of MACs removed since system bring up
disp_macs_moved	(Optional) Number of MACs moved since system bring up
disp_macs_moved_border	(Optional) Number of MACs moved border since system bring up

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)
macsec_status	(Optional) Macsec status
TABLE_mka_summary	(Optional)
ifname	(Optional) Interface
status	(Optional) MACSEC Session status
cipher	(Optional) Operational MACSEC Cipher-suite
keyserver	(Optional) Is this acting as interface key-server
policy	(Optional) MACSEC Policy applied to interface
keychain	(Optional) Keychain associated with interface
fallback_keychain	(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> <include_sci> <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
ifname	(Optional) Interface list
details	(Optional) Show MKA detailed information
__readonly__	(Optional)
macsec_status	(Optional) macsec status
TABLE_mka_session	(Optional)
ifname	(Optional) Interface
sci	(Optional) Interface local TxSCI
peers	(Optional) Number of Peers
status	(Optional) Macsec status of Interface
keyserver	(Optional) Interface keyserver
include_icv_indicator	(Optional) Include ICV indicator in MKDPUs
include_sci	(Optional) Include SCI in secTag
ca_auth_mode	(Optional) CA Authentication Mode
TABLE_mka_session_details	(Optional)
ifname	(Optional) Interface

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

fallback_mi	(Optional) Fallback Member Identifier
fallback_mn	(Optional) Fallback Message Number
TABLE_mka_fallback_peer	(Optional)
fallback_peer_mi	(Optional) Peer MI
fallback_rxsci	(Optional) RxSCI
fallback_icv_status	(Optional) Peer CAK
fallback_last_rx_time	(Optional) Latest Rx MKPDU
sessions	(Optional) Total number of Sessions
active_sessions	(Optional) Count of Active Sessions
pending_sessions	(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_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_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_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>] [<idb_stat_mkpdu_tx_success>] [<idb_stat_mkpdu_tx_fail>] [<idb_stat_mkpdu_tx_pkt_build_fail>] [<idb_stat_mkpdu_no_tx_on_intf_down>] [<idb_stat_mkpdu_no_rx_on_intf_down>] [<idb_stat_mkpdu_rx_ca_notfound>] [<idb_stat_mkpdu_rx_error>] [<idb_stat_mkpdu_rx_success>] [<idb_stat_mkpdu_failure_rx_integrity_check_error>] [<idb_stat_mkpdu_failure_invalid_peer_mn_error>] [<idb_stat_mkpdu_failure_nonrecent_peerlist_mn_error>] [<idb_stat_mkpdu_failure_sakuse_kn_mismatch_error>] [<idb_stat_mkpdu_failure_sakuse_rx_not_set_error>] [<idb_stat_mkpdu_failure_sakuse_key_mi_mismatch_error>] [<idb_stat_mkpdu_failure_sakuse_an_not_in_use_error>] [<idb_stat_mkpdu_failure_sakuse_ks_rx_tx_not_set_error>] [<idb_stat_mkpdu_failure_sakuse_eapol_ethertype_mismatch_error>] [<idb_stat_mkpdu_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_keepalive_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_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_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_mkpdu_failure_mkpdu_tx_error>] [<mka_error_mkpdu_failure_mkpdu_rx_integrity_check_error>] [<mka_error_mkpdu_failure_mkpdu_invalid_peer_mn_error>] [<mka_error_mkpdu_failure_mkpdu_nonrecent_peerlist_mn_error>] [<mka_error_mkpdu_failure_sakuse_kn_mismatch_error>] [<mka_error_mkpdu_failure_sakuse_rx_not_set_error>] [<mka_error_mkpdu_failure_sakuse_key_mi_mismatch_error>] [<mka_error_mkpdu_failure_sakuse_an_not_in_use_error>] [<mka_error_mkpdu_failure_sakuse_ks_rx_tx_not_set_error>] [<global_stats_mkpdu_rx_invalid_ckn>] [<global_stats_mkpdu_tx_pkt_build_fail>]]]]]

Syntax Description

show	Show running system information
macsec	Show MACSEC information

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

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

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

mka_error_mkpdu_failure_mkpdu_invalid_peer_mn_error	(Optional) MKA Error - MKPDU failure - invalid peer MN error
mka_error_mkpdu_failure_mkpdu_nonrecent_peerlist_mn_error	(Optional) MKA Error - MKPDU failure - non recent peerlist MN error
mka_error_mkpdu_failure_sakuse_kn_mismatch_error	(Optional) MKA Error - MKPDU failure - SAKuse KN mismatch error
mka_error_mkpdu_failure_sakuse_rx_not_set_error	(Optional) MKA Error - MKPDU failure - SAKuse Rx not set error
mka_error_mkpdu_failure_sakuse_key_mi_mismatch_error	(Optional) MKA Error - MKPDU failure - SAKuse key MI mismatch error
mka_error_mkpdu_failure_sakuse_an_not_in_use_error	(Optional) MKA Error - MKPDU failure - SAKuse AN not in use error
mka_error_mkpdu_failure_sakuse_ks_rx_tx_not_set_error	(Optional) MKA Error - MKPDU failure - SAKuse KS Rx Tx not set error
global_stats_mkpdu_rx_invalid_ckn	(Optional) Global Statistics MKPDU received invalid CKN
global_stats_mkpdu_tx_pkt_build_fail	(Optional) Global Statistics Transmit Pkt build fail
ifname2	(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> <include_sci> }]

Syntax Description

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

Command Mode

- /exec

show macsec secy statistics

show macsec secy statistics [interface <ifname>] [__readonly__ [<macsec_status>] [TABLE_statistics <ifname2> [<in_pkts_unicast_uncontrolled>] [<in_pkts_multicast_uncontrolled>] [<in_pkts_broadcast_uncontrolled>] [<in_rx_drop_pkts_uncontrolled>] [<in_rx_err_pkts_uncontrolled>] [<in_pkts_unicast_controlled>] [<in_pkts_multicast_controlled>] [<in_pkts_broadcast_controlled>] [<in_pkts_controlled>] [<in_rx_drop_pkts_controlled>] [<in_rx_err_pkts_controlled>] [<in_octets_uncontrolled>] [<in_octets_controlled>] [<input_rate_uncontrolled_pps>] [<input_rate_uncontrolled_bps>] [<input_rate_controlled_pps>] [<input_rate_controlled_bps>] [<out_pkts_unicast_uncontrolled>] [<out_pkts_multicast_uncontrolled>] [<out_pkts_broadcast_uncontrolled>] [<out_rx_drop_pkts_uncontrolled>] [<out_rx_err_pkts_uncontrolled>] [<out_pkts_unicast_controlled>] [<out_pkts_multicast_controlled>] [<out_pkts_broadcast_controlled>] [<out_pkts_controlled>] [<out_rx_drop_pkts_controlled>] [<out_rx_err_pkts_controlled>] [<out_octets_uncontrolled>] [<out_octets_controlled>] [<out_octets_common>] [<output_rate_uncontrolled_pps>] [<output_rate_uncontrolled_bps>] [<output_rate_controlled_pps>] [<output_rate_controlled_bps>] [<in_pkts_transform_error>] [<in_pkts_control>] [<in_pkts_untagged>] [<in_pkts_no_tag>] [<in_pkts_badtag>] [<in_pkts_no_sci>] [<in_pkts_unknown_sci>] [<in_pkts_tagged_ctrl>] [<out_pkts_transform_error>] [<out_pkts_control>] [<out_pkts_untagged>] [TABLE_rx_sa_an <rx_sa_an> [<in_pkts_unchecked>] [<in_pkts_delayed>] [<in_pkts_late>] [<in_pkts_ok>] [<in_pkts_invalid>] [<in_pkts_not_valid>] [<in_pkts_not_using_sa>] [<in_pkts_unused_sa>] [<in_octets_decrypted>] [<in_octets_validated>]] [TABLE_tx_sa_an <tx_sa_an> [<out_pkts_encrypted_protected>] [<out_pkts_too_long>] [<out_pkts_sa_not_inuse>] [<out_octets_encrypted_protected>]]]]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
secy	Show MACSEC secy entity information
statistics	Show MACSEC secy statistics
interface	(Optional) Specify interface
ifname	(Optional) Interface list
__readonly__	(Optional)
macsec_status	(Optional) Macsec status
TABLE_statistics	(Optional) MACsec secy statistics
in_pkts_unicast_uncontrolled	(Optional) In Pkts Unicast Uncontrolled
in_pkts_multicast_uncontrolled	(Optional) In Pkts Multicast Uncontrolled
in_pkts_broadcast_uncontrolled	(Optional) In Pkts Broadcast Uncontrolled
in_rx_drop_pkts_uncontrolled	(Optional) In Rx Drop Pkts Uncontrolled
in_rx_err_pkts_uncontrolled	(Optional) In Rx Err Pkts Uncontrolled

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

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

out_octets_encrypted_protected	(Optional) Out octets Encrypted Protected
ifname2	(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)
delay	(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

show	Show running system information
maintenance	maintenance
on-reload	on reload maintenance mode configuration
reset-reasons	system reset reasons
__readonly__	(Optional)
TABLE_reset_reason	(Optional)
rr_bitmap	(Optional) reset reason bitmap
reset_reason	(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
mode	(Optional)
__readonly__	(Optional)
TABLE_profile	(Optional)
name	(Optional) profile name
TABLE_cfg	(Optional)
cfg	(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)
delay	(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)
timeout	(Optional) timeout value

Command Mode

- /exec

show mcast

show mcast [vsan <i0>]

Syntax Description

show	Show running system information
vsan	(Optional) Enter VSAN
i0	(Optional) VSAN id

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_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
module	(Optional) Enter module number
s0	(Optional) Show xbar information
santa-cruz-range	(Optional) please enter the xbar number
fabric	(Optional) Show fabric information
__readonly__	(Optional)
TABLE_modinfo	(Optional) Show Module info
modinf	(Optional) Module
ports	(Optional) Num Ports
modtype	(Optional) Module Type
model	(Optional) Model
status	(Optional) Status
TABLE_modpwrinfo	(Optional) Mod Pwr Info
modpwr	(Optional) Module
pwrstat	(Optional) Power Status
reason	(Optional) Reason
TABLE_modwwninfo	(Optional) Mod WWN Info
modwwn	(Optional) Module

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

TABLE_xbarmacinfo	(Optional) Xbar MAC Info
xbarmac	(Optional) Module
xbarmacaddr	(Optional) MAC
xbarserialnum	(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
module	Enter module number
bandwidth-fairness	Show bandwidth fairness status
__readonly__	(Optional)
TABLE_fairness	(Optional)
statement	(Optional)

Command Mode

- /exec

show module port type

show module <module1> port type [__readonly__ { TABLE_porttype <slot1> <port1> <opertype> <admintype> }]

Syntax Description

show	Show running system information
module	Show module information
module1	Enter module number
port	Show port type
type	Show port type
__readonly__	(Optional)
TABLE_porttype	(Optional) Module port type
slot1	(Optional) Module number
port1	(Optional) Port number
opertype	(Optional) Operational type for port
admintype	(Optional) Admin type for port

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
__readonly__	(Optional) Read only
TABLE_session	(Optional) show monitor
session_number	(Optional) session id
state	(Optional) State
state_reason	(Optional) State reason
description	(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>] [<dst_ipv6>] [<origin_ip>] [<origin_ipv6>] [<src_ip>] [<src_ipv6>] [<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
session_number	
warp	warp session
range	Specify a range
session_range	
brief	(Optional) Brief information
drops	(Optional) show drop count
__readonly__	(Optional) Read only
TABLE_session	(Optional) show monitor
session_number	(Optional) session number
description	(Optional) Session Description
type	(Optional) Session type
version	(Optional) Erspan source version: v2/v3
state	(Optional) State
state_reason	(Optional) State reason
err_desc	(Optional) Error Description

flow_id	(Optional) erspan-id
switch_id	(Optional) erspan_switch-id
erspan_granularity	(Optional) ERSPAN Type III Granularity
vrf_name	(Optional) ERSPAN session VRF
acl_name	(Optional) ERSPAN session ACL
erspan_ttl	(Optional) ERSPAN TTL Value
erspan_dscp	(Optional) ERSPAN DSCP Value
header_type	(Optional) ERSPAN Header Type
span_mtu	(Optional) SPAN MTU value
span_sampling	(Optional) SPAN sampling range
ip_filter	(Optional) IP filter value
dst_ip	(Optional) ERSPAN destination IP
dst_ipv6	(Optional) ERSPAN destination IPv6
origin_ip	(Optional) ERSPAN origin IP at source router
origin_ipv6	(Optional) ERSPAN origin IPv6 at source router
src_ip	(Optional) ERSPAN source IP
src_ipv6	(Optional) ERSPAN source IPv6
control_pkt_filter	(Optional) Control packet filter value
TABLE_sources_rx	(Optional) ingress intf table
sources_rx	(Optional) List of ingress sources
TABLE_sources_tx	(Optional) egress intf table
sources_tx	(Optional) List of egress sources
TABLE_sources_both	(Optional) bi-direction intf table
sources_both	(Optional) List of sources in both directions
source_vlans_rx	(Optional) Source ingress vlan
source_vsans_rx	(Optional) Source ingress vsan
source_vlans_tx	(Optional) Source egress vlan
source_vlans_both	(Optional) Source vlans in both directions
tree-id	(Optional) proxy layer2 gateway source tree-id

switchid	(Optional) proxy layer2 gateway source switchid
filter_vlans	(Optional) Filter vlans
destinations	(Optional) List of destinations
acl_destinations	(Optional) List of interfaces that wont work for acl capture
rate_limit_cap	(Optional) List of modules that support Rate Limit
mtu_capability	(Optional) List of modules that support MTU
sampling_capability	(Optional) List of modules that support Sampling
mcbe	(Optional) List all modules that support multicast best effort
l3_egress_span	(Optional) List of modules that support L3 Multicast Egress SPAN
erspan_acl	(Optional) List of modules that support ERSPAN ACL filtering
erspan_v3_cap	(Optional) List of modules that support erspan version3
erspan_v2_cap	(Optional) List of modules that support erspan version2
erspan_gran_cap	(Optional) List of modules that support the granularity set
fex_ingress_intf	(Optional) List of fex interfaces that wont work for ingress span
erspan_egress_if	(Optional) Egress interface for ERSPAN SRC session
sources_rx_2	(Optional) List of ingress sources
marker_time_intv	(Optional) Marker packet interval
marker_pkt_count	(Optional) Marker packet count
marker_pkt_fail	(Optional) Marker packet fail count
drops	(Optional) Drop count
inactive	(Optional) Session is inactive

Command Mode

- /exec

show mpls extended-ecmp

show mpls extended-ecmp

Syntax Description

show	Show running system information
mpls	MPLS routing ECMP mode
extended-ecmp	extended-ecmp mode (default)

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
interface	(Optional) Interface chosen to display statistics
all	(Optional) All interfaces
__readonly__	(Optional)
TABLE_mpls_stats	(Optional) MPLS forwarding statistics
intf_name	(Optional) Interace name
mpls_packets_sent	(Optional) mpls packet sent
mpls_bytes_sent	(Optional) mpls bytes sent
mpls_packets_received	(Optional) mpls packet received
mpls_bytes_received	(Optional) mpls bytes received
mpls_packets_forwarded	(Optional) mpls packet forwarded
mpls_bytes_forwarded	(Optional) mpls bytes forwarded
mpls_packets_originated	(Optional) mpls packet originated
mpls_bytes_originated	(Optional) mpls bytes originated
mpls_packets_consumed	(Optional) mpls packet consumed
mpls_bytes_consumed	(Optional) mpls bytes consumed
mpls_packets_input_dropped	(Optional) mpls packet input dropped
mpls_bytes_input_dropped	(Optional) mpls bytes input dropped
mpls_packets_output_dropped	(Optional) mpls packet output dropped

mpls_bytes_output_dropped	(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
__readonly__	(Optional)
TABLE_mpls_interface	(Optional)
intf	(Optional)
oper	(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
__readonly__	(Optional)
TABLE_mpls_interface_det	(Optional)
intf	(Optional)
client_name	(Optional)
oper_str	(Optional)
ls_id	(Optional)
mpls_sublayer_name	(Optional)
mpls_sublayer_id	(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
ifname	Interface Name
statistics	statistics
__readonly__	(Optional)
TABLE_mpls_interface_stats	(Optional)
intf	(Optional)
enabled	(Optional)
pkts_in	(Optional)
bytes_in	(Optional)
pkts_out	(Optional)
bytes_out	(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> }] [{ TABLE_bnd_remote [<remote_lsr>] [<remote_label>] [<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
vrf-name	(Optional) VPN Routing/Forwarding instance name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display LIB information in all VRFs
generic	(Optional) Display generic labels
prefix	(Optional) Destination prefix
mask	(Optional) Destination prefix mask
mask-length	(Optional) Mask length
prefix-mask	(Optional) Destination prefix/mask
longer-prefix	(Optional) Include longer matches
neighbor	(Optional) Display labels from LDP neighbor
addr	(Optional) IP adjacency address
local	(Optional) Display only locally assigned labels
local-label	(Optional) Match locally assigned label values
local-label	(Optional) Locally assigned label value
local-to	(Optional) Label range
local-label-max	(Optional) Locally assigned label value

remote-label	(Optional) Match remotely assigned label values
remote-label	(Optional) Remotely assigned label value
remote-to	(Optional) Label range
remote-label-max	(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
ldp_ctx	(Optional) LDP context
llaf	(Optional) Local label filtering spec
TABLE_bnd_acl_list	(Optional) Show advertisement access lists for default vrf
oldstyle	(Optional) Oldstyle assignment of prefix acls to entries
prefix_acl	(Optional) Prefix acl
peer_acl	(Optional) Peer acl
TABLE_bnd_rec	(Optional) Show bindings in a vrf
lib_addr	(Optional) LIB entry IP address
lib_mask	(Optional) LIB entry mask
lcl_bnd_rev	(Optional) Local binding revision for lib entry
no_route	(Optional) Displays if no route present for lib entry
chkpt	(Optional) Checkpoint state for lib entry
local_label	(Optional) Local label
withdraw	(Optional) Displays if label withdrawn or label withdraw sent
TABLE_bnd_remote	(Optional) Remote bindings
remote_lsr	(Optional) Remote binding label switched route for lib entry
remote_label	(Optional) Remote label for lib entry
rem_lbl_in_use	(Optional) Displays if out label is in use
stale_gr	(Optional) Displays if stale GR binding for lib entry
advert_acl_pending	(Optional) Displays if advert acl action pending for lib entry
peer_acl	(Optional) Advertisement acl: Peer acl name for lib entry

prefix_acl	(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
peer_ident	(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
__readonly__	(Optional) Read Only
TABLE_bnd	(Optional) Show bindings or tib summary for a vrf
total_prefixes	(Optional) Total number of prefixes
assigned_bindings	(Optional) Total number of assigned bindings
total_rt_info	(Optional) Total tib route info alloced
local_bindings	(Optional) Total number of locally assigned bindings
rem_bindings	(Optional) Total number of remote bindings
current_prev_lbl_entries	(Optional) Current number of previous tib remote label entries allocated
total_prev_lbl_entries	(Optional) Total number of previous tib remote label entries allocated
current_prev_lbl_queues	(Optional) Current number of previous tib remote label queues allocated
total_prev_lbl_queues	(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
__readonly__	(Optional)
TABLE_mpls_ip_ttl	(Optional)
prop_or_exp	(Optional)
forwarded	(Optional)
local	(Optional)
exp_count	(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
__readonly__	(Optional)
dynamic-min	(Optional)
dynamic-max	(Optional)
static-min	(Optional)
static-max	(Optional)
srgb-min	(Optional)
srgb-max	(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
label-ip	(Optional) Label IP load sharing
label-only	(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
__readonly__	(Optional)
rq_sent	(Optional) Requests sent
rq_timeout	(Optional) Requests timeout
rq_unsent	(Optional) Requests unsent
rq_rcvd	(Optional) Requests received
rx_sent	(Optional) Replies sent
rx_unsent	(Optional) Replies unsent
rx_rcvd	(Optional) Replies received
rc_zero	(Optional) Return code zero
rc_one	(Optional) Return code one
rc_two	(Optional) Return code two
rc_three	(Optional) Return code three
rc_four	(Optional) Return code four
rc_five	(Optional) Return code five
rc_six	(Optional) Return code six
rc_seven	(Optional) Return code seven
rc_eight	(Optional) Return code eight

rc_nine	(Optional) Return code nine
rc_ten	(Optional) Return code ten
rc_eleven	(Optional) Return code eleven
rc_twelve	(Optional) Return code twelve
rc_thirteen	(Optional) Return code thirteen
rc_fourteen	(Optional) Return code fourteen
summary_flag	(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_nhop> <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
vrf-name	(Optional) VRF name
vrf-known-name	(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
prefix	(Optional) Destination ipv4 prefix
mask	(Optional) Destination ipv4 prefix mask
mask-length	(Optional) Ipv4 mask length
prefix-mask	(Optional) Destination prefix/mask
nexthop	(Optional) Ipv4 next hop address
addr	(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
slb_name	(Optional) Name
slb_prefix	(Optional) Prefix
slb_type	(Optional) SLB Type
slb_mask	(Optional) Mask bits
slb_vrf	(Optional) VRF name for prefix
slb_inlabel	(Optional) Incoming label for prefix
TABLE_slb_outlbl_list	(Optional) Show static outgoing labels for prefix
slb_nhop	(Optional) Next-hop address
slb_nh_path_num	(Optional) Identifier for outgoing nexthop
slb_outlabel	(Optional) Outgoing label for next-hop address
inconsistency_reason	(Optional) Reason for inconsistency

Command Mode

- /exec

show mpls strip labels

show mpls strip labels [all | static | dynamic | <label_val>] [__readonly__ <disp_summary> [TABLE_labels <disp_label> <disp_age> <disp_interface> <disp_pkt_cnt> <disp_stats> <disp_static>]]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
labels	labels added in the system
all	(Optional) all labels [default]
static	(Optional) labels programmed using cli
dynamic	(Optional) dynamically learned
label_val	(Optional) Label to show
__readonly__	(Optional) Read Only
disp_summary	(Optional) Summary
TABLE_labels	(Optional) MPLS Strip Labels Tables
disp_label	(Optional) Label
disp_age	(Optional) Age
disp_interface	(Optional) Interface
disp_pkt_cnt	(Optional) Packet Count
disp_stats	(Optional) Statistics
disp_static	(Optional) Static

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_frr_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
ip-addr	(Optional) Match destination address
ipv4-prefix	(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
label	(Optional) Low label value
max-label	(Optional) High label value
interface	(Optional) Match outgoing interface
aggregate	(Optional) Show aggregate-related information
intf	(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
srte-path-id	(Optional) Traffic-engineering segment-routing path id
per-bd-vlan-id	(Optional) Per BD id
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf_name	(Optional)
TABLE_inlabel	(Optional)
in_label	(Optional)
out_label_stack	(Optional)
ipv4_prefix	(Optional)
tunnel_v4_mid_source	(Optional)
tunnel_v4_mid_dest	(Optional)
tunnel_id	(Optional)
ext_v4_tunnel_id	(Optional)
tunnel_instance	(Optional)
tunnel_head	(Optional)
deagg_vrf	(Optional)

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

in_packets	(Optional)
in_bytes	(Optional)
out_packets	(Optional)
out_bytes	(Optional)
TABLE_block	(Optional)
blockid	(Optional)
lbl_range	(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)
pib-name	(Optional) Name of the client(pib)
pib-index	(Optional) PIB Index
pib-uuid	(Optional) PIB UUID
pib-sap	(Optional) MTS SAP for the pib
stale-time	(Optional) Stale time
pib-flag	(Optional) Flags set by the pib
stale-due	(Optional) Stale timer due in
reg-msg	(Optional) Number of Registration Message
conv-msg	(Optional) Number of Converge Message
inv-conv	(Optional) Number of Invalid Convergence message
fec-msg	(Optional) Number of FEC messages
fec-add	(Optional) Number of FEC Add messages
ile-add	(Optional) Number of ILE Add messages
fec-del	(Optional) Number of FEC delete messages
ile-del	(Optional) Number of ILE delete messages
last-xid	(Optional) Last XID
fec-ack	(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
src-addr	(Optional) Source Address
__readonly__	(Optional)
TABLE_entry	(Optional)
bgp_rd	(Optional)
mdt_src	(Optional)
mdt_grp	(Optional)
local	(Optional)

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
__readonly__	(Optional)
TABLE_entry	(Optional)
bgp_rd	(Optional)
local	(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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
TABLE_encap	(Optional)
encap_index	(Optional)
mdt_src_if	(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
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
TABLE_encap	(Optional)
encap_index	(Optional)
mdt_grp	(Optional)
mdt_src	(Optional)
mdt_src_if	(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
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
TABLE_mroute	(Optional)
src_addr	(Optional)
grp_addr	(Optional)
uptime	(Optional)
ref_count	(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> [<route_type>] [<group_mode>] [<route_flags>]]]

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
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
TABLE_mroute	(Optional)
src_addr	(Optional)
grp_addr	(Optional)
uptime	(Optional)
ref_count	(Optional)
route_type	(Optional)
group_mode	(Optional)
route_flags	(Optional)

Command Mode

- /exec

show mvr

show mvr [verbose] [__readonly__ <mvr-status> <mvr-default-vlan> <number-of-mvr-vlans> [<mvr-group-list> <cfg-nodes> <interface-cfg-nodes>]]

Syntax Description

show	Show running system information
mvr	show mvr info
verbose	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
mvr-status	(Optional)
mvr-default-vlan	(Optional)
number-of-mvr-vlans	(Optional)
mvr-group-list	(Optional)
cfg-nodes	(Optional)
interface-cfg-nodes	(Optional)

Command Mode

- /exec

show mvr groups

show mvr groups [__readonly__ [TABLE_group_list <ip-address> <ip-max-addr> <rn-count-char> <rn-count> <mvr-vlan-string> <if-name>] [[<interface-name>] [<mvr-vlan>] [TABLE_mvr_vlan <global-mvr-vlan>] <mvr-groups> <mvr-receiver-type> <mvr-source-type>]]

Syntax Description

show	Show running system information
mvr	show mvr info
groups	show mvr groups config
__readonly__	(Optional)
TABLE_group_list	(Optional)
ip-address	(Optional)
ip-max-addr	(Optional)
rn-count-char	(Optional)
rn-count	(Optional)
mvr-vlan-string	(Optional)
if-name	(Optional)
interface-name	(Optional)
mvr-vlan	(Optional)
TABLE_mvr_vlan	(Optional)
global-mvr-vlan	(Optional)
mvr-groups	(Optional)
mvr-receiver-type	(Optional)
mvr-source-type	(Optional)

Command Mode

- /exec

show mvr interface

show mvr interface [<if0>] [__readonly__ [TABLE_if_name <interface-name> <access-vlan> <src-rcvr> <igmp-mvr-port-status> <mvr-vlan-str>]]

Syntax Description

show	Show running system information
mvr	show mvr info
interface	show mvr interfaces
if0	(Optional) Interface name
__readonly__	(Optional)
TABLE_if_name	(Optional)
interface-name	(Optional)
access-vlan	(Optional)
src-rcvr	(Optional)
igmp-mvr-port-status	(Optional)
mvr-vlan-str	(Optional)

Command Mode

- /exec

show mvr members

show mvr members [interface <if0>] [__readonly__ [TABLE_mvr_vlan <mvr-vlan> <group> <status> [TABLE_members_if <if-name>]] [<vlan> <mvr-group>]]

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
interface	(Optional) show active mvr groups config on interface
if0	(Optional) Interface name
__readonly__	(Optional)
TABLE_mvr_vlan	(Optional)
mvr-vlan	(Optional)
group	(Optional)
status	(Optional)
TABLE_members_if	(Optional)
if-name	(Optional)
vlan	(Optional)
mvr-group	(Optional)

Command Mode

- /exec

show mvr members count

show mvr members count [__readonly__ [TABLE_mvr_vlan <mvr-vlan> <mvr-members-count>]]

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
count	Active mvr groups on each mvr-vlan
__readonly__	(Optional)
TABLE_mvr_vlan	(Optional)
mvr-vlan	(Optional)
mvr-members-count	(Optional)

Command Mode

- /exec

show mvr members vlan

show mvr members { vlan <vlan-id> } [__readonly__ [TABLE_mvr_vlan <mvr-vlan> <grp> <stat> [TABLE_interface_vlan <interface-name>]]]

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
vlan	vlan
vlan-id	Enter MVR Vlan
__readonly__	(Optional)
TABLE_mvr_vlan	(Optional)
mvr-vlan	(Optional)
grp	(Optional)
stat	(Optional)
TABLE_interface_vlan	(Optional)
interface-name	(Optional)

Command Mode

- /exec

show mvr receiver-ports

show mvr receiver-ports [<if0>] [__readonly__ [TABLE_mvr_if_name <mvr-if-name> <mvr-vlan-str> <igmp-port-status> <rx_reports> <rx_leaves>]]

Syntax Description

show	Show running system information
mvr	show mvr info
receiver-ports	List MVR receiver ports
if0	(Optional) Interface name
__readonly__	(Optional)
TABLE_mvr_if_name	(Optional)
mvr-if-name	(Optional)
mvr-vlan-str	(Optional)
igmp-port-status	(Optional)
rx_reports	(Optional)
rx_leaves	(Optional)

Command Mode

- /exec

show mvr source-ports

show mvr source-ports [<if0>] [__readonly__ [TABLE_mvr_if_name <mvr-if-name> <interface-name> <igmp-port-status>]]

Syntax Description

show	Show running system information
mvr	show mvr info
source-ports	List MVR source ports
if0	(Optional) Interface name
__readonly__	(Optional)
TABLE_mvr_if_name	(Optional)
mvr-if-name	(Optional)
interface-name	(Optional)
igmp-port-status	(Optional)

Command Mode

- /exec