



## M Commands

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## m2rib debug log-size transactions

```
m2rib debug log-size transactions { { received | u2rib | mfdm | pixm | eltm } [ error-log ] | announced } {
<size> | small | medium | large } <size_bytes>
```

### Syntax Description

m2rib	Configure m2rib
debug	Configure m2rib debug
log-size	Set log sizes
transactions	Set transaction log sizes
received	Set received transaction log size
announced	Set announced transaction log size
u2rib	Set U2RIB transaction log size
mfdm	Set MFDM transaction log size
pixm	Set PIXM transaction log size
eltn	Set ELTM transaction log size
error-log	(Optional) errors only log
<i>size</i>	Size in number of transactions
small	Set number of transactions default small log size (0 disables limits)
medium	Set number of transactions default medium log size
large	Set number of transactions default large log size
<i>size_bytes</i>	Max log size in number of bytes

### Command Mode

- /exec/configure



# mac-addr

```
{ mac-addr <dstmac> <smac> [ dot1q <dot1q-id> ] }
```

## Syntax Description

mac-addr	Mac
<i>dstmac</i>	Destination mac address
<i>smac</i>	Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
<i>dot1q-id</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt

## Command Mode

- /exec/configure/configngoamccpayload

# mac-address

mac-address <macaddress> | no mac-address [ <macaddress> ]

## Syntax Description

no	Negate a command or set its defaults
mac-address	Virtual MAC address
<i>macaddress</i>	MAC address(FORMAT:xxxx.xxxx.xxxx)

## Command Mode

- /exec/configure/if-eth-any/hsrp\_ipv4 /exec/configure/if-eth-any/hsrp\_ipv6

# mac-address

mac-address <mac-addr> | no mac-address

## Syntax Description

no	Negate a command or set its defaults
mac-address	Manually set interface MAC address
<i>mac-addr</i>	MAC address

## Command Mode

- /exec/configure/if-vlan-common

# mac-address

mac-address <mac\_address\_val> | no mac-address [ <mac\_address\_val> ]

## Syntax Description

no	Negate a command or set its defaults
mac-address	Configure interface mac address (1)
<i>mac_address_val</i>	Static Router MAC address (1)

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ether-sub /exec/configure/if-eth-non-member /exec/configure/if-remote-ethernet-sub /exec/configure/if-port-channel /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-ethernet-p2p

## mac-address bpdu source version 2

[no] mac-address bpdu source version 2

### Syntax Description

no	(Optional) Negate a command or set its defaults
mac-address	change vpc mac address
bpdu	bpdu
source	source
version	version
2	use version 2 bpdu source mac-address

### Command Mode

- /exec/configure/vpc-domain

## mac-address destination

{ mac-address { destination | source } <addr> } | { no mac-address { destination | source } }

### Syntax Description

no	Negate a command or set its defaults
mac-address	specify flow mac address
source	specify flow source mac address
destination	specify flow destination mac address
<i>addr</i>	mac address

### Command Mode

- /exec/configure/configngoamprofileflow

# mac-address ipv6-extract

mac-address ipv6-extract | no mac-address ipv6-extract

## Syntax Description

no	Negate a command or set its defaults
mac-address	Configure interface mac address (3)
ipv6-extract	Extract mac-address (3) from the IPv6 address configured on the interface

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ether-sub /exec/configure/if-eth-non-member /exec/configure/if-remote-ethernet-sub /exec/configure/if-port-channel-sub /exec/configure/if-port-channel

# mac-learn disable

mac-learn disable | no mac-learn disable

## Syntax Description

no	Negate a command or set its defaults
mac-learn	Mac Learning disable/enable
disable	Mac Learning disable to use switch as a HUB. Do a clear mac address-table dynamic after disabling mac learning

## Command Mode

- /exec/configure



# mac-learn disable

mac-learn disable | no mac-learn disable

## Syntax Description

no	Negate a command or set its defaults
mac-learn	Mac Learning disable/enable on vlan
disable	Mac Learning disable on vlan

## Command Mode

- /exec/configure/vlan-config

# mac-list permit

```
{ mac-list <maclist-name> [ seq <seq> ] { permit | deny } <mac-addr> [ <mac-mask> ] } | { no mac-list {
<maclist-name> | <maclist-name> } [ seq <seq> ] [ { permit | deny } <mac-addr> [ <mac-mask> ] ] }
```

## Syntax Description

no	Negate a command or set its defaults
mac-list	Build a mac list
<i>maclist-name</i>	Name of mac-list
<i>maclist-name</i>	Name of mac-list
<i>maclist-name</i>	Known mac-list name
seq	(Optional) Sequence number of an entry
<i>seq</i>	(Optional) Sequence number
permit	Specify routes to forward
deny	Specify routes to reject
<i>mac-addr</i>	MAC address
<i>mac-mask</i>	(Optional) MAC Mask. Default Mask is ffff.ffff.ffff

## Command Mode

- /exec/configure

# mac-move policy

mac-move policy { [ move-threshold <thresh> detect-intvl <d\_intvl> hold-intvl <h\_intvl> ] } | no mac-move policy

## Syntax Description

no	Negate a command
mac-move	Track individual MAC moves
policy	Policy parameters
move-threshold	(Optional) Max allowed moves
<i>thresh</i>	(Optional) Max allowed moves
detect-intvl	(Optional) Interval to track moves
<i>d_intvl</i>	(Optional) Interval to track moves
hold-intvl	(Optional) Interval to disable learning
<i>h_intvl</i>	(Optional) Interval to disable learning

## Command Mode

- /exec/configure

## mac access-list

[no] mac access-list <acl-mac-name> [ client <clienttype> <clientID> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
access-list	Configure access list
<i>acl-mac-name</i>	List name
client	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>clienttype</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>clientID</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

### Command Mode

- /exec/configure

## mac address-table aging-time

```
mac address-table aging-time { 0 | <seconds> } [ { vlan <vlan-id> } ] [ __readonly__ <info_str> ] | no mac
address-table aging-time [ [ 0 | <seconds> ] ]
```

### Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
aging-time	Aging time
0	0 disables aging
<i>seconds</i>	Aging time in seconds.
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) VLAN ID
__readonly__	(Optional)
<i>info_str</i>	(Optional) Information

### Command Mode

- /exec/configure

## mac address-table guard-vpc-peergw-mac

[no] mac address-table guard-vpc-peergw-mac

### Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
guard-vpc-peergw-mac	Prevent vPC Peer gateway MAC Spoofing

### Command Mode

- /exec/configure

## mac address-table limit

```
mac address-table limit { system | vlan <id> | interface <interface-name> } { <limitcount> } [ actiondrop ] [
__readonly__ <info_str> ] | no mac address-table limit { system | vlan <id> | interface <interface-name> } [
<limitcount> ] [ actiondrop ]
```

### Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
limit	Restrict number of Mac addresses learnt
system	System-wide
vlan	VLAN
<i>id</i>	List of VLAN ids
interface	Interface
<i>interface-name</i>	Interface name
<i>limitcount</i>	Mac address limit count
actiondrop	(Optional) Drop packets instead of flooding
__readonly__	(Optional)
<i>info_str</i>	(Optional) Information

### Command Mode

- /exec/configure

## mac address-table limit user-defined

mac address-table limit <value> user-defined | no mac address-table limit [ <value> ] user-defined

### Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
limit	mac limit
<i>value</i>	user-defined mac limit
user-defined	limit the number of unique mac addresses used on any type of L3 interface

### Command Mode

- /exec/configure



# mac address-table loop-detect nve port-down

mac address-table loop-detect nve port-down | no mac address-table loop-detect nve port-down

## Syntax Description

no	Negate a command
mac	MAC configuration commands
address-table	MAC
loop-detect	Action for Mac loop detection
nve	Configure NVE information
port-down	Take port-down action for mac loop detection

## Command Mode

- /exec/configure

# mac address-table loop-detect port-down

mac address-table loop-detect port-down | no mac address-table loop-detect port-down

## Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC
loop-detect	Action for Mac loop detection
port-down	Take port-down action for mac loop detection

## Command Mode

- /exec/configure

## mac address-table multicast vlan interface

[no] mac address-table multicast <mac-address> { vlan <vlan> | bridge-domain <bdid> } interface [ vsi ] <interface>

### Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
multicast	mcast mac OIF Static Entry
<i>mac-address</i>	mcast MAC Address, not in Unicast IP Range
vlan	VLAN
<i>vlan</i>	VLAN
bridge-domain	BD
<i>bdid</i>	BD
interface	Interface
vsi	(Optional) Specify if this interface is a VSI
<i>interface</i>	Interface name

### Command Mode

- /exec/configure

## mac address-table notification mac-move

mac address-table notification mac-move | no mac address-table notification mac-move

### Syntax Description

no	Negate a command
mac	MAC configuration commands
address-table	MAC Address Table
notification	Notify of mac-move
mac-move	MAC move notification on syslog

### Command Mode

- /exec/configure

# mac address-table notification threshold

mac address-table notification threshold [ limit <percentage> interval <seconds> ] | no mac address-table notification threshold

## Syntax Description

no	Negate a command
mac	MAC configuration commands
address-table	MAC Address Table
notification	Notify of mac-move
threshold	MAC Address Table threshold notification
limit	(Optional) Specify the percentage limit beyond which notifications are enabled
<i>percentage</i>	(Optional) Percentage of MAC Table Consumption
interval	(Optional) Minimum time in seconds between two notifications
<i>seconds</i>	(Optional) Interval time in seconds

## Command Mode

- /exec/configure

# mac address-table static clear

mac address-table static clear | no mac address-table static clear

## Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
static	Static Entry
clear	clear the static mac entry when interface is moved to down state

## Command Mode

- /exec/configure

## mac address-table static vlan interface

```
mac address-table static <mac-address> vlan <vlan-id> { interface <interface-name> | drop } [ auto-learn ] [
__readonly__ <info_str> ] | no mac address-table static <mac-address> vlan <vlan-id>
```

### Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
static	Static Entry
<i>mac-address</i>	MAC Address
vlan	VLAN
<i>vlan-id</i>	VLAN ID
interface	Interface
<i>interface-name</i>	Interface name
drop	Drop all traffic
auto-learn	(Optional) Allow moving this MAC address
__readonly__	(Optional)
<i>info_str</i>	(Optional) Information

### Command Mode

- /exec/configure

# mac address-table static vni

```
mac address-table static <mac-address> vni <vni-id>
```

## Syntax Description

mac	MAC configuration commands
address-table	MAC Address Table
static	Static Entry
<i>mac-address</i>	MAC Address
vni	Virtual Network Identifier
<i>vni-id</i>	VNI ID

## Command Mode

- /exec/configure



# mac address

[no] mac address { <macaddr> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
mac	Configure vMAC address options for Pathway
address	Pathway will use a specified vMAC address
<i>macaddr</i>	48-bit MAC address in HEX

## Command Mode

- /exec/configure/if-eth-any/vrrs

# mac address inherit

mac address inherit

## Syntax Description

mac	Configure vMAC address options for Pathway
address	Pathway will use a specified vMAC address
inherit	Pathway will inherit vMAC

## Command Mode

- /exec/configure/if-eth-any/vrrs

# mac advert interval

[no] mac advert interval | mac advert interval <macint>

## Syntax Description

no	Negate a command or set its defaults
mac	Configure vMAC address options for Pathway
advert	Specify vMAC unsolicited advertisements
interval	Specify interval between vMAC unsolicited advertisements
<i>macint</i>	Advertisement Interval in seconds

## Command Mode

- /exec/configure/if-eth-any/vrrs

# mac packet-classify

[no] mac packet-classify

## Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC
packet-classify	Force mac classification of packets

## Command Mode

- /exec/configure/vlan

# mac packet-classify

[no] mac packet-classify

## Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
packet-classify	Force mac classification of packets

## Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-remote-ethernet-switch  
/exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

## mac port access-group

[no] mac port access-group <acl-mac-name>

### Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
port	Port policy
access-group	Specify access control for packets
<i>acl-mac-name</i>	List name

### Command Mode

- /exec/configure/if-set-acl-l2

## mac vsan

[no] mac <mac0> vsan <i1>

### Syntax Description

no	(Optional) Negate a command or set its defaults
mac	FCoE Device MAC address
<i>mac0</i>	MAC of the Device
vsan	VSAN id for device
<i>i1</i>	vsan id

### Command Mode

- /exec/configure/dpvm-db

## macsec eap

[no] macsec eap [ policy <policy\_name> ]

### Syntax Description

macsec	Specify MKA keychain and MACsec policy
eap	key chain pki mode
policy	(Optional) policy
<i>policy_name</i>	(Optional) name of the policy specified as a string

### Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-eth-base



## macsec keychain macsec keychain

```
[no] macsec keychain <keychain_name> [ policy <policy_name> ] [ fallback-keychain <fallback_kc_name>
] | [ no ] macsec keychain <keychain_name> [ fallback-keychain <fallback_kc_name> ] [ policy <policy_name>
]
```

### Syntax Description

macsec	Specify MKA keychain and MACsec policy
keychain	key chain
<i>keychain_name</i>	name of the keychain specified as a string
policy	(Optional) policy
<i>policy_name</i>	(Optional) name of the policy specified as a string
fallback-keychain	(Optional) fallback keychain
<i>fallback_kc_name</i>	(Optional) Name of fallback keychain specified as a string

### Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-eth-base

# macsec policy

[no] macsec policy <policy\_name>

## Syntax Description

macsec	Configure MACSEC
policy	Configure MACSEC policy
<i>policy_name</i>	Name of Policy

## Command Mode

- /exec/configure

# macsec shutdown

[no] macsec shutdown

## Syntax Description

macsec	Configure MACSEC
shutdown	shutdown / restart macsec

## Command Mode

- /exec/configure

# managed-config-flag

[no] managed-config-flag <state>

## Syntax Description

no	(Optional) Negate a command or set its defaults
<i>state</i>	

## Command Mode

- /exec/configure/config-ra-guard

# management

[no] management

## Syntax Description

no	(Optional) Negate a command or set its defaults
management	Allow in-band management access to VLAN Interface IP address

## Command Mode

- /exec/configure/if-vlan-common

# map-notify-group

```
{ [ no ] map-notify-group { <addr> | <addr6> } }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
map-notify-group	Group address to send and receive site specific Map-Notify messages
<i>addr</i>	IPv4 group address

## Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

# map-server key

```
{ { [ no ] map-server { <ms> | <ms6> } [ key-type { sha1 | sha2 } ] key <key> } | { [ no ] map-server { <ms> | <ms6> } proxy-reply } }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
map-server	To interact with Map-Server
<i>ms</i>	Address of IPv4 map-server
key-type	(Optional) Authentication key type, either sha1 or sha2
sha1	(Optional) Use sha1 authentication in Map-Register messages
sha2	(Optional) Use sha2 authentication in Map-Register messages
key	Authentication key used with Map-Server
<i>key</i>	SHA-1 password key
proxy-reply	Request Map-Server to send Map-Replies on behalf of dynamic-EID

## Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

# marker-packet-n3500

[no] marker-packet-n3500 [ <interval> | seconds <interval1> | milliseconds <interval2> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
marker-packet-n3500	Enable/Disable send marker packet
<i>interval</i>	(Optional) range between <1-4> second
seconds	(Optional) Configure interval in secs
<i>interval1</i>	(Optional) range between <1-4> second
milliseconds	(Optional) Interval in milli second.
<i>interval2</i>	(Optional) range between <100-900> msec, increments in multiples of 100

## Command Mode

- /exec/configure/config-monitor-erspan-src



# marker-packet

[no] marker-packet [ <interval> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
marker-packet	Enable/Disable send marker packet
<i>interval</i>	(Optional)

## Command Mode

- /exec/configure/config-monitor-erspan-src

# match-address

[no] match-address

## Syntax Description

no	(Optional) Negate a command or set its defaults
match-address	Match addresses in advertisement packets

## Command Mode

- /exec/configure/if-eth-any/vrrpv3

# match

```
[no] match { { access-group name <acl-name> } | [ not ] { { cos <cos-value> } | any | { eth-src <mac_src>
<mac_src_wild> } | { eth-dest <mac_dest> <mac_dest_wild> } | { eth-type <eth-value> } | { vlan
<vlan-number> } | { ip-tos <tos-value> <tos-mask> } | { ip-protocol <ip-protocol-value> } | { ip-src-addr
<ip-s-addr> <ip-s-mask> } | { ip-dst-addr <ip-d-addr> <ip-d-mask> } | { tcp-src-port <tcp-src-port-addr> } |
{ tcp-dst-port <tcp-dest-port-addr> } | { udp-src-port <udp-src-port-addr> } | { udp-dst-port
<udp-dest-port-addr> } | { input-interface <ifnum> } | { ipv6-src-addr <ipv6-s-addr> <ipv6-s-mask> } | {
ipv6-dst-addr <ipv6-d-addr> <ipv6-d-mask> } | { ipv6-protocol <ipv6-protocol-value> } | { ipv6-flowlabel
<ipv6-flowlabel-value> } | { icmpv6-type <icmpv6-type-value> } | { icmpv6-code <icmpv6-code-value> } |
{ ipv4-dscp <ipv4-dscp-list> } | { ipv6-dscp <ipv6-dscp-list> } | { dscp { <dscp-list> | <dscp-enum> } + } |
{ precedence { <precedence-list> | <prec-enum> } + } | { discard-class <discard-class-list> } | { qos-group
<qos-group-list> } | { class-map <cmap-name-plc> } | { protocol <protocol-enum> } | { packet length <len-list>
} | { ip rtp <port-list> } | { mpls experimental topmost <exp-list> } } }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
not	(Optional) Negate this match result
access-group	Access group
name	Named Access List
<i>acl-name</i>	Access List name
cos	IEEE 802.1Q class of service
dscp	DSCP in IP(v4) and IPv6 packets
<i>dscp-list</i>	List of DSCP values
<i>dscp-enum</i>	
precedence	Precedence in IP(v4) and IPv6 packets
<i>precedence-list</i>	List of precedence values
<i>prec-enum</i>	
discard-class	Discard class
<i>discard-class-list</i>	List of discard-class values
qos-group	Qos-group
<i>qos-group-list</i>	List of qos-group values
class-map	Class map
<i>cmap-name-plc</i>	Match class-map name

protocol	Protocol
<i>protocol-enum</i>	
packet	Packet
length	Length of IP datagram
<i>len-list</i>	list of IP packet length
ip	IP
rtp	Real Time Protocol
<i>port-list</i>	UDP port list that are using RTP
mpls	Match on MPLS label
experimental	Match on MPLS Experimental label
topmost	Match on topmost MPLS label
<i>exp-list</i>	List of MPLS exp values
any	Match on Any Filter
eth-dest	Match on Layer 2 destination MAC address
eth-src	Match on Layer 2 source MAC address
eth-type	Match on Ether type
vlan	Match on 802.1Q vlan
ip-tos	Match on IPv4 TOS
ip-protocol	Match on IP protocol
ip-src-addr	Match on IPv4 source address
ip-dst-addr	Match on IPv4 destination address
ipv6-src-addr	Match on IPv6 source address
ipv6-dst-addr	Match on IPv6 destination address
tcp-src-port	Match on TCP source port
tcp-dst-port	Match on TCP source port
udp-src-port	Match on UDP source port
udp-dst-port	Match on UDP source port
input-interface	Match on physical input interface
ipv6-protocol	Match on IPv6 Protocol Value

<i>ipv6-flowlabel</i>	Match on IPv6 Flowlabel
<i>icmpv6-type</i>	Match on ICMPv6 Message Type
<i>icmpv6-code</i>	Match on ICMPv6 Message Code
<i>ipv4-dscp</i>	Match on DSCP for IPV4 Packets
<i>ipv6-dscp</i>	Match on DSCP for IPV6 Packets
<i>cos-value</i>	class of service Value
<i>mac_src</i>	Source MAC address
<i>mac_src_wild</i>	Source MAC mask
<i>mac_dest</i>	Destination MAC address
<i>mac_dest_wild</i>	Destination MAC mask
<i>eth-value</i>	Ethernet type
<i>vlan-number</i>	Vlan number
<i>tos-value</i>	IPv4 TOS
<i>tos-mask</i>	IPV4 TOS Mask for DSCP
<i>ip-protocol-value</i>	IPV4 protocol
<i>ip-s-addr</i>	IPV4 address in format a.b.c.d
<i>ip-d-addr</i>	IPV4 address in format a.b.c.d
<i>ip-s-mask</i>	IPV4 address Mask in format a.b.c.d
<i>ip-d-mask</i>	IPV4 address Mask in format a.b.c.d
<i>tcp-src-port-addr</i>	Transport layer port number
<i>tcp-dest-port-addr</i>	Transport layer port number
<i>udp-src-port-addr</i>	Transport layer port number
<i>udp-dest-port-addr</i>	Transport layer port number
<i>ifnum</i>	Physical interface Name and Number
<i>ipv6-protocol-value</i>	IPv6 Protocol Value
<i>ipv6-flowlabel-value</i>	IPv6 Flowlabel
<i>icmpv6-type-value</i>	ICMPv6 Message Type
<i>icmpv6-code-value</i>	ICMPv6 Message Code
<i>ipv4-dscp-list</i>	List of IPV4 DSCP values

<i>ipv6-dscp-list</i>	List of IPV6 DSCP values
-----------------------	--------------------------

**Command Mode**

- /exec/configure/class-map/type/plc

# match

[no] match { <ser-def-name> | all } [ source-interface <vlans> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Specify service to match
<i>ser-def-name</i>	Service definition name
all	To match on all Service definitions
source-interface	(Optional) Specify source Vlans for services
<i>vlans</i>	(Optional) mDNS vlan number or vlan range, example: 1,3-5,7,9-11

## Command Mode

- /exec/configure/mdns-sl-out

# match

```
[no] match { { access-group name <acl-name> } | [ not ] { dscp [ tunnel ] { <dscp-list> | { <dscp-enum> } + } | { { packet length <len-list> | ip rtp <port-list> } [ replace ] } | { cos <cos-list> } | { qos-group <qos-group-list> } | { precedence { <precedence-list> | { <prec-enum> } + } } | { protocol <protocol-enum> } | { mpls experimental topmost <exp-list> } | { ip roce <port-list> } } }
```

## Syntax Description

<i>dscp-list</i>	<dscp-enum>
<i>cos-list</i>	
<i>precedence-list</i>	<prec-enum>
no	(Optional) Negate a command or set its defaults
replace	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
match	Classification criteria
not	(Optional) Negate this match result
access-group	Access group
name	Named Access List
<i>acl-name</i>	Access List name
dscp	DSCP in IP(v4) and IPv6 packets
tunnel	(Optional) match dscp in Outer header
<i>dscp-enum</i>	
cos	IEEE 802.1Q Class of Service
qos-group	Qos-group
<i>qos-group-list</i>	List of qos-group values
precedence	Precedence in IP(v4) and IPv6 packets
<i>prec-enum</i>	
protocol	Protocol
<i>protocol-enum</i>	
packet	Packet
length	Length of IP datagram
<i>len-list</i>	List of IP packet length



ip	IP
rtp	Real Time Protocol
<i>port-list</i>	UDP port list that are using RTP
mpls	Match on MPLS label
experimental	Match on MPLS Experimental label
topmost	Match on topmost MPLS label
ip	IP
roce	Roce protocol. port to be used 3804
<i>port-list</i>	UDP port list that are using RoCE
<i>exp-list</i>	List of MPLS exp values

**Command Mode**

- /exec/configure/class-map

# match

```
[no] match { [ not ] { { discard-class <discard-class-list> } | { class-map <cmmap-name> } } }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
not	(Optional) Negate this match result
discard-class	Discard class
<i>discard-class-list</i>	List of discard-class values
class-map	Class map
<i>cmmap-name</i>	Match class-map name

## Command Mode

- /exec/configure/class-map

# match

[no] match { ip address <acl-ip-name> | ipv6 address <acl-ipv6-name> | mac address <acl-mac-name> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Specify the match clause
ip	Display IP information
ipv6	Display IPv6 information
mac	MAC configuration commands
address	Match an access list
<i>acl-mac-name</i>	List name
<i>acl-ip-name</i>	List name
<i>acl-ipv6-name</i>	List name

## Command Mode

- /exec/configure/vacl

## match access-group name

[no] match access-group name <acs-grp-name>

### Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
access-group	Match with given access group
name	Name of the access group
<i>acs-grp-name</i>	Match parameter for class-map

### Command Mode

- /exec/configure/cmap

# match as-number

[no] match as-number [ { <asnum> | <asnum\_range> } + ] { <asnum\_trail> | <asnum\_range\_trail> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
as-number	Match BGP peer AS number
<i>asnum</i>	(Optional) <AA4> ,
<i>asnum_range</i>	(Optional) <AA4>-<AA4> ,
<i>asnum_trail</i>	<AA4> ,
<i>asnum_range_trail</i>	<AA4>-<AA4> ,

## Command Mode

- /exec/configure/route-map

## match as-number as-path-list

match as-number as-path-list <aspl-name> + | no match as-number as-path-list { <aspl-name> | <aspl-name> } +

### Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
as-number	Match BGP peer AS number
as-path-list	AS-path access-list
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	Known as-path access-list name

### Command Mode

- /exec/configure/route-map

# match as-path

match as-path <aspl-name> + | no match as-path { <aspl-name> | <aspl-name> } +

## Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
as-path	Match BGP AS path list
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	Known as-path access-list name

## Command Mode

- /exec/configure/route-map

# match class-map

[no] match class-map <imap-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
class-map	Class map
<i>imap-name</i>	class map name

## Command Mode

- /exec/configure/class-map/type/queuing



# match community

[no] match community <name> + [ exact-match ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
community	Match BGP community list
<i>name</i>	Community list name
exact-match	(Optional) Do exact matching of communities

## Command Mode

- /exec/configure/route-map

# match cos

[no] match cos <cos-list>

## Syntax Description

<i>cos-list</i>	
no	(Optional) Negate a command or set its defaults
match	Classification criteria
cos	IEEE 802.1Q Class of Service

## Command Mode

- /exec/configure/class-map/type/queuing

# match cos

[no] match cos <cos-list>

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
cos	IEEE 802.1Q class of service
<i>cos-list</i>	List of class-of-service values

## Command Mode

- /exec/configure/class-map/type/uf

# match datalink

[no] match datalink { mac source-address | mac destination-address | ethertype }

## Syntax Description

match	Specify a key field
datalink	datalink (Layer 2) attributes
mac	MAC Address
source-address	Source MAC Address
destination-address	Destination MAC Address
ethertype	Ethertype

## Command Mode

- /exec/configure/config-fte-record

# match datalink

[no] match datalink { mac source-address | mac destination-address | ethertype | vlan }

## Syntax Description

match	Specify a key field
datalink	datalink (Layer 2) attributes
mac	MAC Address
source-address	Source MAC Address
destination-address	Destination MAC Address
ethertype	Ethertype
vlan	VLAN ID

## Command Mode

- /exec/configure/nfm-record

# match dscp

[no] match dscp { <dscp-list> | <dscp-enum> } +

## Syntax Description

<i>dscp-list</i>	<dscp-enum>
no	(Optional) Negate a command or set its defaults
match	Classification criteria
dscp	DSCP in IP(v4) and IPv6 packets
<i>dscp-enum</i>	

## Command Mode

- /exec/configure/color-cmap

# match dscp

[no] match dscp { <dscp-list> } +

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
dscp	DSCP in IP(v4) packets
<i>dscp-list</i>	List of DSCP values

## Command Mode

- /exec/configure/class-map/type/queuing

## match evpn route-type

[no] match evpn route-type { 1 | 2 | 2-mac-only | 2-mac-ip | 3 | 4 | 5 | 6 } +

### Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
evpn	Match BGP EVPN Routes
route-type	Match route type for evpn route
<i>l</i>	1

### Command Mode

- /exec/configure/route-map



## match exception

```
[no] match exception { { { ip | ipv6 } { option | { icmp { redirect | unreachable } } | municast } } | ttl-failure
| glean | mtu-failure | nat-flow | sflow | span | mvpn | vxlan-stp | { multicast { rpf-failure | sg-rpf-failure |
dest-miss | ipv6-rpf-failure | ipv6-sg-rpf-failure | ipv6-dest-miss } } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
exception	Match exception packets
ip	ipv4 match criteria
ipv6	ipv6 match criteria
option	Match ip/ipv6 option exception packets
icmp	Icmp redirect packets
redirect	Send redirected packets back to sender
unreachable	Send unreachable packets back to sender
municast	IP unicast packets with multicast MAC
ttl-failure	Failed in ttl
mtu-failure	mtu-failure
glean	Glean packets
multicast	multicast packets
rpf-failure	multicast rpf check failure
sg-rpf-failure	multicast sg rpf check failure
dest-miss	L3 multicast destination lookup failure
ipv6-rpf-failure	IPv6 multicast rpf check failure
ipv6-sg-rpf-failure	IPv6 multicast sg rpf check failure
ipv6-dest-miss	IPv6 L3 multicast destination lookup failure
nat-flow	ipv4 software nat flow packets
sflow	sflow packets
span	span packets
mvpn	mvpn

vxlan-stp	vxlan-stp
-----------	-----------

**Command Mode**

- /exec/configure/cmap

# match extcommunity

[no] match extcommunity <name> + [ exact-match ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
extcommunity	Match BGP community list
<i>name</i>	Extended Community list name
exact-match	(Optional) Do exact matching of extended communities

## Command Mode

- /exec/configure/route-map

# match interface

[no] match interface <iface> +

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
interface	Match first hop interface of route
<i>iface</i>	Interface name

## Command Mode

- /exec/configure/route-map

# match ip address

[no] match ip address <name> +

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
address	Match address of route or match packet
<i>name</i>	IP access-list name (for use in route-maps for PBR only)

## Command Mode

- /exec/configure/route-map

# match ip address

[no] match ip address <acl-name> [ <traffic-action> ] [ vlan { <vlan-range> | all } ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
ip	Configure IP features
address	Match criteria
<i>acl-name</i>	IP access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

## Command Mode

- /exec/configure/epbr-policy

# match ip address

[no] match ip address <acl-name> [ <traffic-action> ] [ vlan { <vlan-range> | all } ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
ip	Configure IP features
address	Match criteria
<i>acl-name</i>	IP access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

## Command Mode

- /exec/configure/epbr-sess-policy

# match ip address prefix-list

```
match ip address prefix-list <ipv4-pfl-name> + | no match ip address prefix-list { <ipv4-pfl-name> |
<ipv4-pfl-name> } +
```

## Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
address	Match address of route or match packet
prefix-list	Match entries of prefix-lists
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Known prefix-list name

## Command Mode

- /exec/configure/route-map



# match ip multicast rp

```
{ match ip multicast { { rp <i>iprp</i> [ rp-type <i>iprptype</i> ] } | { group <gprefix> } | { source <ipsrc> } } + } |
{ match ip multicast { { rp <i>iprp</i> [ rp-type <i>iprptype</i> ] } | { group-range <gaddr_start> to <gaddr_end> }
| { source <ipsrc> } } + } | { no match ip multicast }
```

## Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
multicast	Match multicast attributes
rp	Rendezvous point
<i>iprp</i>	IPv4 rendezvous prefix
rp-type	(Optional) Multicast rendezvous point type
<i>iprptype</i>	(Optional) IPv4 rendezvous point type
group	Multicast Group prefix
<i>gprefix</i>	IPv4 group prefix
group-range	Multicast Group address range
<i>gaddr_start</i>	First Group address
to	Range
<i>gaddr_end</i>	Last Group address
source	Multicast source address
<i>ipsrc</i>	IPv4 source prefix

## Command Mode

- /exec/configure/route-map

# match ip next-hop prefix-list

```
match ip next-hop prefix-list <ipv4-pfl-name> + | no match ip next-hop prefix-list { <ipv4-pfl-name> |
<ipv4-pfl-name> } +
```

## Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
next-hop	Match next-hop address of route
prefix-list	Match entries of prefix-lists
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Known prefix-list name

## Command Mode

- /exec/configure/route-map

# match ip protocol

[no] match ip { protocol | tos }

## Syntax Description

match	Specify a key field
ip	IP attributes
protocol	Protocol
tos	TOS

## Command Mode

- /exec/configure/nfm-record

# match ip protocol

[no] match ip { protocol | tos }

## Syntax Description

match	Specify a key field
ip	IP attributes
protocol	Protocol
tos	TOS

## Command Mode

- /exec/configure/nfm-record

# match ip protocol

[no] match ip { protocol | tos }

## Syntax Description

match	Specify a key field
ip	IP attributes
protocol	Protocol
tos	TOS

## Command Mode

- /exec/configure/analytics/record

## match ip route-source prefix-list

match ip route-source prefix-list <ipv4-pfl-name> + | no match ip route-source prefix-list { <ipv4-pfl-name> | <ipv4-pfl-name> } +

### Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
route-source	Match advertising source address of route
prefix-list	Match entries of prefix-lists
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Known prefix-list name

### Command Mode

- /exec/configure/route-map

# match ip source address

[no] match ip { source | destination } address

## Syntax Description

match	Specify a key field
ip	IPv4 source/destination
source	Source Address
destination	Destination Address
address	Address

## Command Mode

- /exec/configure/analytics/record

# match ip source address

[no] match ip { source | destination } address

## Syntax Description

match	Specify a key field
ip	IPv4 source/destination
source	Source Address
destination	Destination Address
address	Address

## Command Mode

- /exec/configure/nfm-record



# match ipv4 protocol

[no] match ipv4 { protocol | tos }

## Syntax Description

match	Specify a key field
ipv4	IPv4 attributes
protocol	Protocol
tos	TOS

## Command Mode

- /exec/configure/config-fte-record

# match ipv4 source address

[no] match ipv4 { source | destination } address

## Syntax Description

match	Specify a key field
ipv4	IPv4 attributes
source	Source Address
destination	Destination Address
address	Address

## Command Mode

- /exec/configure/nfm-record

# match ipv4 source address

[no] match ipv4 { source | destination } address

## Syntax Description

match	Specify a key field
ipv4	IPv4 attributes
source	Source Address
destination	Destination Address
address	Address

## Command Mode

- /exec/configure/config-fte-record

# match ipv4 transport destination

[no] match ipv4 transport { destination-port | source-port }

## Syntax Description

match	Specify a key field
ipv4	IPv4 attributes
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

## Command Mode

- /exec/configure/config-fte-record

# match ipv6

```
[no] match ipv6 { { { source | destination } address } | { flow-label | options } }
```

## Syntax Description

match	Specify a key field
ipv6	IPv6 attributes
source	Source Address
destination	Destination Address
address	Address
flow-label	Flow label
options	Options

## Command Mode

- /exec/configure/nfm-record

# match ipv6

```
[no] match ipv6 { { { source | destination } address } | { flow-label } }
```

## Syntax Description

match	Specify a key field
ipv6	IPv6 attributes
source	Source Address
destination	Destination Address
address	Address
flow-label	Flow label

## Command Mode

- /exec/configure/config-fte-record

# match ipv6 address

[no] match ipv6 address <acl-name> [ <traffic-action> ] [ vlan { <vlan-range> | all } ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
ipv6	Configure IPv6 features
address	Match criteria
<i>acl-name</i>	IPv6 access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

## Command Mode

- /exec/configure/epbr-policy

# match ipv6 address

[no] match ipv6 address <name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
address	Match address of route or match packet
<i>name</i>	IPv6 access-list name (for use in route-maps for PBR only)

## Command Mode

- /exec/configure/route-map



# match ipv6 address

[no] match ipv6 address <acl-name> [ <traffic-action> ] [ vlan { <vlan-range> | all } ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
ipv6	Configure IPv6 features
address	Match criteria
<i>acl-name</i>	IPv6 access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

## Command Mode

- /exec/configure/epbr-sess-policy

## match ipv6 address prefix-list

match ipv6 address prefix-list <ipv6-pfl-name> + | no match ipv6 address prefix-list { <ipv6-pfl-name> | <ipv6-pfl-name> } +

### Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
address	Match address of route or match packet
prefix-list	Match entries of prefix-lists
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Known prefix-list name

### Command Mode

- /exec/configure/route-map

## match ipv6 multicast rp

```
{ match ipv6 multicast { { rp <ipv6rp> [ rp-type <ipv6rptype> ] } | { group <gprefix> } | { source <ipv6src>
} } + } | { match ipv6 multicast { { rp <ipv6rp> [ rp-type <ipv6rptype> ] } | { group-range <gaddr_start> to
<gaddr_end> } | { source <ipv6src> } } + } | { no match ipv6 multicast }
```

### Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
multicast	Match multicast attributes
rp	Rendezvous point
rp-type	(Optional) Multicast rendezvous point type
<i>ipv6rptype</i>	(Optional) IPv6 rendezvous point type
group	Multicast group address
group-range	Multicast Group address range
to	Range
source	Multicast source address

### Command Mode

- /exec/configure/route-map

## match ipv6 next-hop prefix-list

match ipv6 next-hop prefix-list <ipv6-pfl-name> + | no match ipv6 next-hop prefix-list { <ipv6-pfl-name> | <ipv6-pfl-name> } +

### Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
next-hop	Match next-hop address of route
prefix-list	Match entries of prefix-lists
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Known prefix-list name

### Command Mode

- /exec/configure/route-map

# match ipv6 protocol

[no] match ipv6 { protocol | tos }

## Syntax Description

match	Specify a key field
ipv6	IPv6 attributes
protocol	Protocol
tos	TOS

## Command Mode

- /exec/configure/config-fte-record

## match ipv6 route-source prefix-list

```
match ipv6 route-source prefix-list <ipv6-pfl-name> + | no match ipv6 route-source prefix-list {
<ipv6-pfl-name> | <ipv6-pfl-name> } +
```

### Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
route-source	Match advertising source address of route
prefix-list	Match entries of prefix-lists
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Known prefix-list name

### Command Mode

- /exec/configure/route-map

# match ipv6 transport destination

[no] match ipv6 transport { destination-port | source-port }

## Syntax Description

match	Specify a key field
ipv6	IPv6 attributes
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

## Command Mode

- /exec/configure/config-fte-record

## match l2 address

```
[no] match l2 address <acl-name> [ <traffic-action> ] [ vlan { <vlan-range> | all } ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
l2	Configure L2 features
address	Match criteria
<i>acl-name</i>	mac access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

### Command Mode

- /exec/configure/epbr-sess-policy



## match l2 address

```
[no] match l2 address <acl-name> [ <traffic-action> ] [ vlan { <vlan-range> | all } ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
l2	Configure L2 features
address	Match criteria
<i>acl-name</i>	mac access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

### Command Mode

- /exec/configure/epbr-policy

# match large-community

[no] match large-community <name> + [ exact-match ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
large-community	Add a large community list entry
<i>name</i>	Standard large community list name
exact-match	(Optional) Do exact matching of large communities

## Command Mode

- /exec/configure/route-map

# match mac-list

```
match mac-list [ dest ] <maclist-name> + | no match mac-list [ dest ] { <maclist-name> | <maclist-name> }  
+
```

## Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
mac-list	Match entries of mac-lists
dest	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>maclist-name</i>	Name of mac-list
<i>maclist-name</i>	Name of mac-list
<i>maclist-name</i>	Known mac-list name

## Command Mode

- /exec/configure/route-map

## match message-type

```
[no] match { <ser-def-name> | all } message-type { any | announcement | query }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
match	Specify service to match
<i>ser-def-name</i>	Service definition name
all	To match on all Service definitions
message-type	To set the message type
any	Match Any
query	Match Query
announcement	Match Announcement/Responses

### Command Mode

- /exec/configure/mdns-sl-in

## match message-type

```
[no] match { <ser-def-name> | all } message-type { any | announcement | query } [ source-interface <vlans> ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
match	Specify service to match
<i>ser-def-name</i>	Service definition name
all	To match on all Service definitions
message-type	To set the message type
any	Match Any
query	Match Query
announcement	Match Announcement/Responses
source-interface	(Optional) Specify source Vlans for services
<i>vlans</i>	(Optional) mDNS vlan number or vlan range, example: 1,3-5,7,9-11

### Command Mode

- /exec/configure/mdns-ctrl-sl

# match metric

[no] match metric { <measure> [ <plus-minus> <deviation> ] } +

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
metric	Match metric of route
<i>plus-minus</i>	(Optional) +-
<i>measure</i>	Metric value
<i>deviation</i>	(Optional) Deviation value

## Command Mode

- /exec/configure/route-map

# match ospf-area

[no] match ospf-area <area> +

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
ospf-area	Match ospf area
<i>area</i>	area id

## Command Mode

- /exec/configure/route-map

# match protocol arp

```
[no] match protocol { arp | mpls [ router-alert | exp <exp_value> ] }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
protocol	Protocol
arp	IP ARP
mpls	Multi-protocol Label Switching
router-alert	(Optional) Match packets with router-alert label set to 1 for OTV Overlay frames
exp	(Optional) Match packets on MPLS exp bits
<i>exp_value</i>	(Optional) Exp bits value

## Command Mode

- /exec/configure/cmap



# match qos-group

[no] match qos-group <qos-group-list>

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
qos-group	QoS Group
<i>qos-group-list</i>	List of qos-group values

## Command Mode

- /exec/configure/class-map/type/uf

## match qos-group2

[no] match qos-group2 { <qos-group-list> }

### Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
qos-group2	QoS Group
<i>qos-group-list</i>	

### Command Mode

- /exec/configure/class-map/type/queuing

# match qos-group2

[no] match qos-group2 <qos-group-list>

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
qos-group2	QoS Group
<i>qos-group-list</i>	

## Command Mode

- /exec/configure/class-map/type/uf

# match qos-group

[no] match qos-group { <qos-group-list> } +

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
qos-group	QoS Group
<i>qos-group-list</i>	List of qos-group values

## Command Mode

- /exec/configure/class-map/type/queuing

# match redirect

[no] match redirect <opt\_match\_redirect>

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
redirect	Match redirected packets
<i>opt_match_redirect</i>	Match criteria for redirected packets

## Command Mode

- /exec/configure/cmap

## match route-type

[no] match route-type { external | internal | level-1 | level-2 | local | nssa-external | type-1 | type-2 | inter-area | intra-area | redistributed-direct } +

### Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
route-type	Match route-type of route
external	external route (BGP, EIGRP and OSPF type 1/2)
internal	internal route (including OSPF intra/inter area)
level-1	IS-IS level-1 route
level-2	IS-IS level-2 route
local	locally generated route
nssa-external	nssa-external route (OSPF type 1/2)
type-1	OSPF external type 1 route
type-2	OSPF external type 2 route
inter-area	OSPF inter area route
intra-area	OSPF intra area route
redistributed-direct	Redistributed direct route (BGP)

### Command Mode

- /exec/configure/route-map

# match rpki valid

```
{ match rpki { valid | not-found | invalid } } | { no match rpki [ valid | not-found | invalid ] }
```

## Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
rpki	Match rpki state
valid	RPKI state received is valid
not-found	RPKI state received is not-found
invalid	RPKI state received is invalid

## Command Mode

- /exec/configure/route-map

# match source-protocol

[no] match source-protocol <src\_prot> +

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
source-protocol	Match source protocol
<i>src_prot</i>	Protocol instance name

## Command Mode

- /exec/configure/route-map



# match tag

[no] match tag <tagid> +

## Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
tag	Match tag of route
<i>tagid</i>	Tag value

## Command Mode

- /exec/configure/route-map

# match transport destination

[no] match transport { destination-port | source-port }

## Syntax Description

match	Specify a key field
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

## Command Mode

- /exec/configure/nfm-record

# match transport destination

[no] match transport { destination-port | source-port }

## Syntax Description

match	Specify a key field
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

## Command Mode

- /exec/configure/analytics/record

# match transport destination

[no] match transport { destination-port | source-port }

## Syntax Description

match	Specify a key field
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

## Command Mode

- /exec/configure/nfm-record

# max-lsa

[no] max-lsa <maximum-number> [ <threshold> ] [ warning-only | [ ignore-time <ignore-time-minutes> ] [ ignore-count <ignore-count-number> ] [ reset-time <reset-time-minutes> ] ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
max-lsa	Feature to limit the number of non-self-originated LSAs
<i>maximum-number</i>	Set maximum number of non self-generated LSAs
<i>threshold</i>	(Optional) Threshold value (%) at which to generate a warning message
warning-only	(Optional) Log a warning message when limit is exceeded
ignore-time	(Optional) Set time during which all adjacencies are suppressed
<i>ignore-time-minutes</i>	(Optional) ignore-time in minutes
ignore-count	(Optional) Set count on how many times adjacencies can be suppressed
<i>ignore-count-number</i>	(Optional) ignore-count
reset-time	(Optional) Set number of minutes after which ignore-count is reset to zero
<i>reset-time-minutes</i>	(Optional) reset-time in minutes

## Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

# max-lsa

[no] max-lsa <maximum-number> [ <threshold> ] [ warning-only | [ ignore-time <ignore-time-minutes> ] [ ignore-count <ignore-count-number> ] [ reset-time <reset-time-minutes> ] ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
max-lsa	Feature to limit the number of non-self-originated LSAs
<i>maximum-number</i>	Set maximum number of non self-generated LSAs
<i>threshold</i>	(Optional) Threshold value (%) at which to generate a warning message
warning-only	(Optional) Log a warning message when limit is exceeded
ignore-time	(Optional) Set time during which all adjacencies are suppressed
<i>ignore-time-minutes</i>	(Optional) ignore-time in minutes
ignore-count	(Optional) Set count on how many times adjacencies can be suppressed
<i>ignore-count-number</i>	(Optional) ignore-count
reset-time	(Optional) Set number of minutes after which ignore-count is reset to zero
<i>reset-time-minutes</i>	(Optional) reset-time in minutes

## Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

# max-lsp-lifetime

max-lsp-lifetime <lifetime> | no max-lsp-lifetime [ <lifetime> ]

## Syntax Description

no	Negate a command or set its defaults
max-lsp-lifetime	Set maximum LSP lifetime
<i>lifetime</i>	Maximum LSP lifetime in seconds

## Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

# max-lsp-lifetime

max-lsp-lifetime <lifetime> | no max-lsp-lifetime [ <lifetime> ]

## Syntax Description

no	Negate a command or set its defaults
max-lsp-lifetime	Set maximum LSP lifetime
<i>lifetime</i>	Maximum LSP lifetime in seconds

## Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common



# max-lsp-lifetime

max-lsp-lifetime <lifetime> | no max-lsp-lifetime [ <lifetime> ]

## Syntax Description

no	Negate a command or set its defaults
max-lsp-lifetime	Set maximum LSP lifetime
<i>lifetime</i>	Maximum LSP lifetime in seconds

## Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

## max-metric router-lsa

```
[no] max-metric router-lsa [ external-lsa [ <max-metric-extlsa> ] ] [ include-stub ] [ on-startup [ <timeout> ]
[ wait-for bgp <as> ] ] [ summary-lsa [ <max-metric-sumlsa> ] ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
max-metric	Maximize the cost metric
router-lsa	Router LSA
external-lsa	(Optional) External LSAs
<i>max-metric-extlsa</i>	(Optional) Max metric value for external LSAs
include-stub	(Optional) Advertise Max metric for Stub links as well
on-startup	(Optional) Effective only at startup
<i>timeout</i>	(Optional) Wait period in seconds after startup
wait-for	(Optional) Wait for an event to advertise normal metric
bgp	(Optional) BGP Convergence
<i>as</i>	(Optional) ASN of BGP to wait for
summary-lsa	(Optional) Summary LSAs
<i>max-metric-sumlsa</i>	(Optional) Max metric value for summary LSAs

### Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

## max-metric router-lsa

```
[no] max-metric router-lsa [ external-lsa [ <max-metric-extlsa> ] ] [ stub-prefix-lsa ] [ on-startup [ <timeout> ] ] [ wait-for bgp <as> ] ] [ inter-area-prefix-lsa [ <max-metric-sumlsa> ] ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
max-metric	Maximize the cost metric
router-lsa	Router LSA
external-lsa	(Optional) External LSAs
<i>max-metric-extlsa</i>	(Optional) Max metric value for external LSAs
stub-prefix-lsa	(Optional) Advertise Max metric for Stub links as well
on-startup	(Optional) Effective only at startup
<i>timeout</i>	(Optional) Wait period in seconds after startup
wait-for	(Optional) Wait for an event to advertise normal metric
bgp	(Optional) BGP Convergence
<i>as</i>	(Optional) ASN of BGP to wait for
inter-area-prefix-lsa	(Optional) Inter-area-prefix LSAs
<i>max-metric-sumlsa</i>	(Optional) Max metric value for summary LSAs

### Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

# max-ports

[ vmware ] max-ports <i0>

## Syntax Description

vmware	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
max-ports	Max ports on which this profile can be inherited
<i>i0</i>	Enter the max-number of ports

## Command Mode

- /exec/configure/port-profile

# max-ports

[no] [ vmware ] max-ports

## Syntax Description

no	Negate a command or set its defaults
vmware	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
max-ports	Max ports on which this profile can be inherited

## Command Mode

- /exec/configure/port-profile

# maxas-limit

maxas-limit <as-limit> | no maxas-limit [ <as-limit> ]

## Syntax Description

no	Negate a command or set its defaults
maxas-limit	Allow AS-PATH attribute from EBGP neighbor imposing a limit on number of ASes
<i>as-limit</i>	Number of ASes in the AS-PATH attribute

## Command Mode

- /exec/configure/router-bgp/vrf-cmds

# maximum-paths

maximum-paths <max-paths> | no maximum-paths [ <max-paths> ]

## Syntax Description

no	Negate a command or set its defaults
maximum-paths	Set maximum paths per destination
<i>max-paths</i>	Maximum paths per destination

## Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common /exec/configure/l2mp-isis/l2mp-isis-l2-topo

# maximum-paths

maximum-paths <max-paths> | no maximum-paths [ <max-paths> ]

## Syntax Description

no	Negate a command or set its defaults
maximum-paths	RIP set maximum paths per route
<i>max-paths</i>	Maximum paths per prefix

## Command Mode

- /exec/configure/router-rip/router-rip-af-common /exec/configure/router-rip/router-rip-vrf-af-common



# maximum-paths

maximum-paths <max-paths> | no maximum-paths [ <max-paths> ]

## Syntax Description

no	Negate a command or set its defaults
maximum-paths	Set maximum paths per destination
<i>max-paths</i>	Maximum paths per destination

## Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4

# maximum-paths

maximum-paths <max-paths> | no maximum-paths [ <max-paths> ]

## Syntax Description

no	Negate a command or set its defaults
maximum-paths	Maximum paths per destination
<i>max-paths</i>	Maximum paths per destination

## Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

# maximum-paths

{ { maximum-paths <num-paths> } | { no maximum-paths [ <num-paths> ] } }

## Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multiple paths
<i>num-paths</i>	Number of paths

## Command Mode

- /exec/configure/router-igrp/router-igrp-vrf-common /exec/configure/router-igrp/router-igrp-af-common

# maximum-paths

maximum-paths <max-paths> | no maximum-paths [ <max-paths> ]

## Syntax Description

no	Negate a command or set its defaults
maximum-paths	Maximum paths per destination
<i>max-paths</i>	Maximum paths per destination

## Command Mode

- /exec/configure/router-ospf

# maximum-paths

maximum-paths [ ibgp ] <mpath-count> | no maximum-paths [ ibgp ] [ <mpath-count> ]

## Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multipath paths
ibgp	(Optional) Configure multipath for IBGP paths
<i>mpath-count</i>	Number of parallel paths

## Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn  
/exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn

# maximum-paths eibgp

maximum-paths eibgp <mpath-count> | no maximum-paths eibgp [ <mpath-count> ]

## Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multipath paths
eibgp	Configure multipath for both EBGp and IBGP paths
<i>mpath-count</i>	Number of parallel paths

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6  
/exec/configure/router-bgp/router-bgp-af-vpn4 /exec/configure/router-bgp/router-bgp-af-vpn6

# maximum-paths local

maximum-paths local <mpath-count> | no maximum-paths local [ <mpath-count> ]

## Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multipath paths
local	Configure multipath for local paths
<i>mpath-count</i>	Number of parallel paths

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6  
/exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

## maximum-paths mixed

maximum-paths mixed <mpath-count> | no maximum-paths mixed [ <mpath-count> ]

### Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multipath paths
mixed	Configure multipath for local and remote paths
<i>mpath-count</i>	Number of parallel paths

### Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6  
/exec/configure/router-bgp/router-bgp-af-vpn4 /exec/configure/router-bgp/router-bgp-af-vpn6  
/exec/configure/router-bgp/router-bgp-af-l2vpn-evpn



# maximum-peers

```
{ maximum-peers <limit> | { no | default } maximum-peers [ <limit> ] }
```

## Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
maximum-peers	Maximum number of peers for this interface or prefix
<i>limit</i>	Max. peers limit

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

# maximum-prefix

maximum-prefix <limit> [ <percent> ] [ restart <restart-time> | warning-only ] | { no | default } maximum-prefix [ <limit> [ <percent> ] [ restart <restart-time> | warning-only ] ]

## Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
maximum-prefix	Maximum number of prefixes from this neighbor
<i>limit</i>	Max. prefix limit
<i>percent</i>	(Optional) Threshold percentage at which to generate a warning
restart	(Optional) Restart bgp connection after limit is exceeded
<i>restart-time</i>	(Optional) Restart interval in minutes
warning-only	(Optional) Only give a warning message when limit is exceeded

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-link-state
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

# maximum-prefix

```
maximum-prefix <limit> [ <percent> ] [ restart <restart-time> | warning-only ] | { no | default } maximum-prefix
[ <limit> [ <percent> ] [ restart <restart-time> | warning-only ] ]
```

## Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
maximum-prefix	Maximum number of prefixes from this neighbor
<i>limit</i>	Max. prefix limit
<i>percent</i>	(Optional) Threshold percentage at which to generate a warning
restart	(Optional) Restart bgp connection after limit is exceeded
<i>restart-time</i>	(Optional) Restart interval in minutes
warning-only	(Optional) Only give a warning message when limit is exceeded

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

## maximum routes

[no] maximum routes <limit> [ { <warnlevel> [ reinstall <threshold> ] } | warning-only ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
maximum	Set a limit
routes	Maximum number of routes allowed in this routing table
<i>limit</i>	Maximum number of routes allowed
<i>warnlevel</i>	(Optional) Threshold value (%) at which to generate a warning msg
reinstall	(Optional) Reinstall previous rejected route due to over maximum route limit
<i>threshold</i>	(Optional) Threshold value (%) at which to reinstall routes back to VRF
warning-only	(Optional) Only give a warning message if limit is exceeded

### Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

# mcast-group

mcast-group { <maddr1> } [ { <maddr2> } ] | no mcast-group

## Syntax Description

no	Negate a command or set its defaults
mcast-group	NVE Multicast Group
<i>maddr1</i>	Multicast IP Prefix
<i>maddr2</i>	(Optional) Multicast IP Prefix

## Command Mode

- /exec/configure/if-nve/vni

# mcast-routing override source-interface

[no] mcast-routing override source-interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mcast-routing	Configure loopback for routing in L2+L3 TRM mode
override	Override source address of routed mcast packets
source-interface	Source address of routed mcast packets
<i>interface</i>	

## Command Mode

- /exec/configure/if-nve

# mcast root lowest vsan

[no] mcast root lowest vsan <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
root	Configure multicast root
lowest	Select lowest domain switch as root
vsan	Enter VSAN
<i>i0</i>	VSAN id range

## Command Mode

- /exec/configure

# mcast root principal vsan

[no] mcast root principal vsan <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
root	Configure multicast root
principal	Select principal switch as root
vsan	Enter VSAN
<i>i0</i>	VSAN id range

## Command Mode

- /exec/configure



# mdix auto

{ mdix auto | no mdix [ auto ] }

## Syntax Description

no	Negate a command or set its defaults
mdix	Enable auto mdix mode
auto	Enable auto mdix mode

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

# mdns-sd controller

[no] mdns-sd controller { <controller-name> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
controller	Controller
<i>controller-name</i>	Specify Controller name

## Command Mode

- /exec/configure

# mdns-sd controller service-list

[no] mdns-sd controller service-list <sl-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name

## Command Mode

- /exec/configure

# mdns-sd controller service-policy

[no] mdns-sd controller service-policy <ser-pol-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-policy	mDNS Service Policy
<i>ser-pol-name</i>	mDNS Service Policy Name

## Command Mode

- /exec/configure

# mdns-sd gateway

[no] mdns-sd gateway

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mdns-sd
gateway	mDNS Gateway Configuration

## Command Mode

- /exec/configure/vlan-config

# mdns-sd gateway

[no] mdns-sd gateway

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
gateway	mDNS Gateway Configuration

## Command Mode

- /exec/configure

# mdns-sd service-definition

[no] mdns-sd service-definition <ser-def-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
service-definition	mDNS Service Definition
<i>ser-def-name</i>	mDNS Service Definition Name

## Command Mode

- /exec/configure

# mdns-sd service-list in

[no] mdns-sd service-list <sl-name> in

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name
in	IN Bound Filtering

## Command Mode

- /exec/configure



# mdns-sd service-list out

[no] mdns-sd service-list <sl-name> out

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name
out	OUT Bound Filtering

## Command Mode

- /exec/configure

# mdns-sd service-policy

[no] mdns-sd service-policy <ser-pol-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
service-policy	mDNS Service Policy
<i>ser-pol-name</i>	mDNS Service Policy Name

## Command Mode

- /exec/configure

# mdt asm-use-shared-tree

[no] mdt asm-use-shared-tree

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
asm-use-shared-tree	Use (*,G) only state, no remote source state is created

## Command Mode

- /exec/configure/vrf

## mdt data

[no] mdt data <prefix> [ threshold <value> | immediate-switch ] [ route-map <policy-name> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
data	Configure settings for Data MDT
<i>prefix</i>	List of group range prefixes
threshold	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
immediate-switch	(Optional) Move to data mdt immediately if remote receiver exists
<i>value</i>	(Optional) Threshold in kilobits per sec
route-map	(Optional) Specify policy for creating Data MDTs
<i>policy-name</i>	(Optional) A route-map name

### Command Mode

- /exec/configure/vrf

## mdt data vxlan

[no] mdt data vxlan <group-range> [ threshold <value> ] [ route-map <policy-name> ] [ <seq-no> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Multicast distribution tree
data	Configure settings for TRM Data MDT
vxlan	VXLAN
<i>group-range</i>	Underlay multicast group address range
threshold	(Optional) Data MDT switching threshold
<i>value</i>	(Optional) Threshold in kilobits per sec
route-map	(Optional) Specify policy for creating Data MDTs
<i>policy-name</i>	(Optional) Configure policy name
<i>seq-no</i>	(Optional) sequence number

### Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

# mdt default

mdt default <mdt-default> | no mdt default [ <mdt-default> ]

## Syntax Description

no	Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
default	The default group
<i>mdt-default</i>	IP multicast group address

## Command Mode

- /exec/configure/vrf

# mdt enforce-bgp-mdt-safi

[no] mdt enforce-bgp-mdt-safi

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
enforce-bgp-mdt-safi	Depend on BGP MDT SAFI for auto-discovery

## Command Mode

- /exec/configure/vrf

# mdt mtu

[no] mdt mtu <mtu-value>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
mtu	The MTU
<i>mtu-value</i>	MTU value

## Command Mode

- /exec/configure/vrf



# mdt pim hello-interval

[no] mdt pim hello-interval <interval>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
pim	PIM protocol related parameters
hello-interval	Hello interval used between peers
<i>interval</i>	Interval in milliseconds

## Command Mode

- /exec/configure/vrf

# mdt pim jp-interval

[no] mdt pim jp-interval <interval>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
pim	PIM protocol related parameters
jp-interval	Join-Prune interval used between peers
<i>interval</i>	Interval in seconds

## Command Mode

- /exec/configure/vrf

# mdt source

[no] mdt source <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
source	Source interface to be used in the backbone network
<i>interface</i>	Use IP address of this interface

## Command Mode

- /exec/configure/vrf

## mdt v4 vxlan

[no] mdt v4 vxlan

### Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Default MDT support
v4	Configure IP features
vxlan	Tenant Routed Multicast support for L3VNI

### Command Mode

- /exec/configure/vrf/vni-mode

# mdt v6 vxlan

[no] mdt v6 vxlan

## Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Default MDT support
v6	Configure IPv6 features
vxlan	Tenant Routed Multicast support for L3VNI

## Command Mode

- /exec/configure/vrf/vni-mode

# media-type

media-type <media\_type> | no media-type [ <media\_type> ]

## Syntax Description

no	Negate a command or set its defaults
media-type	Select the media-type link
<i>media_type</i>	supporting media-type

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

# media-type auto

media-type auto

## Syntax Description

media-type	Select the media-type link
auto	Select mgmt port as auto

## Command Mode

- /exec/configure/if-mgmt-ether

## media-type rj45

media-type rj45

### Syntax Description

media-type	Select the media-type link
rj45	Select mgmt port rj45

### Command Mode

- /exec/configure/if-mgmt-ether



# media-type sfp

media-type sfp

## Syntax Description

media-type	Select the media-type link
sfp	Select mgmt port sfp

## Command Mode

- /exec/configure/if-mgmt-ether

# media

media <vlanshowinfo-media-type> | no media

## Syntax Description

no	Negate a command or set its defaults
media	Media type of the VLAN
<i>vlanshowinfo-media-type</i>	Select media type

## Command Mode

- /exec/configure/vlan

# medium

medium <medium-type> | no medium <medium-type>

## Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
<i>medium-type</i>	

## Command Mode

- /exec/configure/if-vlan-common

# medium broadcast

{ medium broadcast | no medium broadcast }

## Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
broadcast	Broadcast medium

## Command Mode

- /exec/configure/ppm-ethernet-switch /exec/configure/if-ether-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-ethernet-all

# medium broadcast

{ medium broadcast | no medium broadcast }

## Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
broadcast	Broadcast medium

## Command Mode

- /exec/configure/if-ethernet-p2p-switch /exec/configure/if-ethernet-p2p /exec/configure/if-ethernet-all /exec/configure/if-eth-l3-non-member /exec/configure/if-port-channel /exec/configure/if-remote-ethernet-sub /exec/configure/if-eth-port-channel-p2p /exec/configure/if-ethernet-p2p-m

# medium p2p

{ medium p2p | no medium p2p }

## Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
p2p	Point-to-Point medium

## Command Mode

- /exec/configure/ppm-ethernet-switch /exec/configure/if-ether-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-port-channel-sub /exec/configure/if-ethernet-all

# medium p2p

{ medium p2p | no medium p2p }

## Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
p2p	Point-to-Point medium

## Command Mode

- /exec/configure/if-ethernet-p2p-switch /exec/configure/if-ethernet-p2p /exec/configure/if-ethernet-all /exec/configure/if-eth-l3-non-member /exec/configure/if-port-channel /exec/configure/if-remote-ethernet-sub /exec/configure/if-eth-port-channel-p2p /exec/configure/if-ethernet-p2p-m

# member

[no] member <*s0*>

## Syntax Description

no	(Optional) Negate a command or set its defaults
member	Add zone to zoneset
<i>s0</i>	Enter the name of zone

## Command Mode

- /exec/configure/zoneset



# member

```
[no] member { device-alias <s0> [ lun <lun0> ] [ { initiator | target | both } ] | domain-id <i1> port-number <i2> | fcid <fcid3> [ lun1 <lun4> ] [ { initiator | target | both } ] | fwwn <wwn5> | interface <if0> [ { domain-id1 <i6> | swwn <wwn7> } ] | pwwn <wwn9> [ lun2 <lun10> ] [ { initiator | target | both } ] | symbolic-nodename <s1> }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
member	Add a member to fcalias
device-alias	Add device-alias member to fcalias
<i>s0</i>	Enter device-alias name
lun	(Optional) Add device-alias-LUN member to fcalias
<i>lun0</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
domain-id	Add member based on domain-id,port-number
<i>i1</i>	Enter domain-id of a non-MDS switch
port-number	Add member based on domain-id,port-number
<i>i2</i>	Enter port number of a non-Cisco switch
fcid	Add FCID member to fcalias
<i>fcid3</i>	Enter FCID
lun1	(Optional) Add FCID-LUN member to fcalias
<i>lun4</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
fwwn	Add Fabric Port WWN to fcalias
<i>wwn5</i>	Enter Fabric Port WWN
interface	Add member based on interface

<i>if0</i>	Enter Interface
domain-id1	(Optional) Specify domain-id
<i>i6</i>	(Optional) Enter domain-id
swwn	(Optional) Specify switch-wwn for the interface
<i>wwn7</i>	(Optional) Enter switch wwn
pwwn	Add Port WWN to fcalias
<i>wwn9</i>	Enter Port WWN
lun2	(Optional) Add PortWWN-LUN member to fcalias
<i>lun10</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
symbolic-nodename	Add Symbolic Node Name to fcalias
<i>s1</i>	Enter symbolic node name

**Command Mode**

- /exec/configure/fcalias

# member

```
[no] member { device-alias <s0> [ lun <lun0> ] [ { initiator | target | both } ] | domain-id <i1> port-number
<i2> | fcalias <s1> | fcid <fcid3> [ lun1 <lun4> ] [ { initiator | target | both } ] | fwwn <wwn5> | interface
<if0> [ { domain-id1 <i6> | swwn <wwn7> } ] | pwwn <wwn9> [ lun2 <lun10> ] [ { initiator | target | both }
] | symbolic-nodename <s2> }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
member	Add a member to zone
device-alias	Add device-alias member to zone
<i>s0</i>	Enter device-alias name
lun	(Optional) Add device-alias-LUN member to zone
<i>lun0</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
domain-id	Add member based on domain-id,port-number
<i>i1</i>	Enter domain-id of a non-MDS switch
port-number	Add member based on domain-id,port-number
<i>i2</i>	Enter port number of a non-Cisco switch
fcalias	Add fcalias to zone
<i>s1</i>	Enter the name of fcalias
fcid	Add FCID member to zone
<i>fcid3</i>	Enter FCID
lun1	(Optional) Add FCID-LUN member to zone
<i>lun4</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
fwwn	Add Fabric Port WWN member to zone

<i>wwn5</i>	Enter Fabric Port WWN
interface	Add member based on interface
<i>if0</i>	Enter Interface Range
domain-id1	(Optional) Specify domain-id
<i>i6</i>	(Optional) Enter domain-id
swwn	(Optional) Specify switch-wwn for the interface
<i>wwn7</i>	(Optional) Enter switch wwn
pwwn	Add Port WWN member to zone
<i>wwn9</i>	Enter Port WWN
lun2	(Optional) Add PortWWN-LUN member to zone
<i>lun10</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
symbolic-nodename	Add Symbolic Node Name member to zone
<i>s2</i>	Enter symbolic node name

**Command Mode**

- /exec/configure/zone

# member

```
[no] member { device-alias <s0> [ lun <lun0> ] [ { initiator | target | both } ] | domain-id <i1> port-number <i2> | fcalias <s1> | fcid <fcid3> [ lun1 <lun4> ] [ { initiator | target | both } ] | fwwn <wwn5> | interface <if0> [ { domain-id1 <i6> | swwn <wwn7> } ] | pwwn <wwn9> [ lun2 <lun10> ] [ { initiator | target | both } ] | symbolic-nodename <s2> }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
member	Add a member to zone
device-alias	Add device-alias member to zone
<i>s0</i>	Enter device-alias name
lun	(Optional) Add device-alias-LUN member to zone
<i>lun0</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
domain-id	Add member based on domain-id,port-number
<i>i1</i>	Enter domain-id of a non-MDS switch
port-number	Add member based on domain-id,port-number
<i>i2</i>	Enter port number of a non-Cisco switch
fcalias	Add fcalias to zone
<i>s1</i>	Enter the name of fcalias
fcid	Add FCID member to zone
<i>fcid3</i>	Enter FCID
lun1	(Optional) Add FCID-LUN member to zone
<i>lun4</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
fwwn	Add Fabric Port WWN member to zone

<i>wwn5</i>	Enter Fabric Port WWN
interface	Add member based on interface
<i>if0</i>	Enter Interface Range
domain-id1	(Optional) Specify domain-id
<i>i6</i>	(Optional) Enter domain-id
swwn	(Optional) Specify switch-wwn for the interface
<i>wwn7</i>	(Optional) Enter switch wwn
pwwn	Add Port WWN member to zone
<i>wwn9</i>	Enter Port WWN
lun2	(Optional) Add PortWWN-LUN member to zone
<i>lun10</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
symbolic-nodename	Add Symbolic Node Name to zone
<i>s2</i>	Enter symbolic node name

**Command Mode**

- /exec/configure/zoneset/zone

# member vlan

{ member vlan <vlan-range> } | { no member vlan [ <vlan-range> ] }

## Syntax Description

no	Negate a command or set its defaults
member	Set fabricpath topology VLAN membership
vlan	Configure VLANs for Fabricpath Topology
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

## Command Mode

- /exec/configure/fp-topology

# member vni

[no] member vni <vni-range>

## Syntax Description

no	(Optional) Negate a command or set its defaults
member	NVE VN-Segment Membership
vni	Virtual Network Identifier
<i>vni-range</i>	vni range, Example: 5000 or 5001-5008

## Command Mode

- /exec/configure/if-nve



# member vni

{ member vni <vni-range> } | { no member vni [ <vni-range> ] }

## Syntax Description

no	Negate a command or set its defaults
member	Set fabricpath topology VNI membership
vni	Configure VNIs for L2MP Topology
<i>vni-range</i>	vni range, Example: 4096, 4099-5013, 5019

## Command Mode

- /exec/configure/fp-topology

## member vni associate-vrf

[no] member vni <vni-range> associate-vrf

### Syntax Description

no	(Optional) Negate a command or set its defaults
member	NVE VN-Segment Membership
vni	Virtual Network Identifier
<i>vni-range</i>	vni range, Example: 5000 or 5001-5008
associate-vrf	Associate vni with a vrf

### Command Mode

- /exec/configure/if-nve

# memory

```
{ memory <memory-units> | no memory [ <memory-units> ] }
```

## Syntax Description

no	Negate a command or set its defaults
memory	Memory reservation MB units
<i>memory-units</i>	Memory reservation MB units

## Command Mode

- /exec/configure/app-hosting-resource-profile-custom

## message-digest-key md5

```
{ { message-digest-key <keyid> md5 <key> } | { no message-digest-key [ <keyid> md5 <key> ] } }
```

### Syntax Description

no	Negate a command or set its defaults
message-digest-key	Message digest authentication password (key)
<i>keyid</i>	Key ID
md5	Use MD5 algorithm
<i>key</i>	The OSPF password (key)

### Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

## message-digest-key md5

```
{ { message-digest-key <keyid> md5 <key> } | { no message-digest-key [ <keyid> md5 <key> ] } }
```

### Syntax Description

no	Negate a command or set its defaults
message-digest-key	Message digest authentication password (key)
<i>keyid</i>	Key ID
md5	Use MD5 algorithm
<i>key</i>	OSPF password (key)

### Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

# message max-size

message max-size <kbytes> | no message max-size

## Syntax Description

no	Negate a command or set its defaults
message	Setting message value
max-size	Max Message size
<i>kbytes</i>	Specify message size in kilobytes (Default 12288)

## Command Mode

- /exec/configure/telemetry/destination-group

# method

```
{ [ no ] method <eap-method-name> }
```

## Syntax Description

method	Eap method to be used
<i>eap-method-name</i>	eap-method

## Command Mode

- /exec/configure/eap-profile

# metric-style transition

[no] metric-style { transition }

## Syntax Description

no	(Optional) Negate a command or set its defaults
metric-style	Configure metric style used in advertised LSPs
transition	Use both narrow and wide metric style

## Command Mode

- /exec/configure/router-isis/router-isis-vrf-common



# metric

[no] metric

## Syntax Description

no	(Optional) Negate a command or set its defaults
metric	Candidate path-option metric entry

## Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/dyn

# metric

[no] metric

## Syntax Description

no	(Optional) Negate a command or set its defaults
metric	Candidate path-option metric entry

## Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/dyn

# metric

{ [ no ] metric } | { metric <metric\_num> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
metric	Specify the interface metric
<i>metric_num</i>	SR TE Metric

## Command Mode

- /exec/configure/sr/te/if

# metric direct 0

[no] metric direct 0

## Syntax Description

no	(Optional) Negate a command or set its defaults
metric	Cost of direct routes
direct	Cost of direct routes
0	direct route cost is zero to be compatible with IOS

## Command Mode

- /exec/configure/router-rip

# metric maximum-hops

{ { metric maximum-hops <hops> } | { no metric maximum-hops [ <hops> ] } }

## Syntax Description

no	Negate a command or set its defaults
metric	Modify EIGRP routing metrics and parameters
maximum-hops	Advertise EIGRP routes greater than <hops> as unreachable
<i>hops</i>	Hop count

## Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

## metric rib-scale

{ { metric rib-scale <rib-scale> } | { no metric rib-scale [ <rib-scale> ] } }

### Syntax Description

no	Negate a command or set its defaults
metric	Modify EIGRP routing metrics and parameters
rib-scale	Defines RIB scaling value
<i>rib-scale</i>	Rib scale

### Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

# metric version 64bit

{ { metric version 64bit } | { no metric version [ 64bit ] } }

## Syntax Description

no	Negate a command or set its defaults
metric	Modify EIGRP routing metrics and parameters
version	Modify EIGRP metric version
64bit	64 bit metric version

## Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

# metric weights

```
{ { metric weights <tos> <k1> <k2> <k3> <k4> <k5> [ <k6> ] } | { no metric weights [ <tos> <k1> <k2> <k3> <k4> <k5> [ <k6> ] ] } }
```

## Syntax Description

no	Negate a command or set its defaults
metric	Modify EIGRP routing metrics and parameters
weights	Modify EIGRP metric coefficients
<i>tos</i>	Type Of Service (Only TOS 0 supported)
<i>k1</i>	K1
<i>k2</i>	K2
<i>k3</i>	K3
<i>k4</i>	K4
<i>k5</i>	K5
<i>k6</i>	(Optional) K6

## Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common



# mgmt-addr

[no] mgmt-addr <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mgmt-addr	Management Address for the platform
s0	Management addr string

## Command Mode

- /exec/configure/fcs-register/attrib

# min-ls-arrival

{ min-ls-arrival <i0> | no min-ls-arrival [ <i0> ] }

## Syntax Description

no	Negate a command or set its defaults
min-ls-arrival	Configure Min LS Arrival
<i>i0</i>	Min LS Arrival (in msec)

## Command Mode

- /exec/configure/(fspf-config)

# min-ls-interval

{ min-ls-interval <i0> | no min-ls-interval [ <i0> ] }

## Syntax Description

no	Negate a command or set its defaults
min-ls-interval	Configure Min LS interval
<i>i0</i>	Min LS interval (in msec)

## Command Mode

- /exec/configure/(fspf-config)

# mkdir

mkdir <uri0>

## Syntax Description

mkdir	Create new directory
<i>uri0</i>	Directory name

## Command Mode

- /exec

# mode

[no] mode <vmode>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mode	Operational mode of the VLAN
<i>vmode</i>	

## Command Mode

- /exec/configure/vlan

# mode

{ mode <conn-mode> } | { no mode <conn-mode> }

## Syntax Description

no	Negate a command or set its defaults
mode	EPBR service end-point connection mode
<i>conn-mode</i>	connection mode

## Command Mode

- /exec/configure/epbr/svc

# mode

[no] mode { none | hybrid | non-hybrid }

## Syntax Description

no	(Optional) Negate a command or set its defaults
mode	PTP profile mode
none	No mode selected
hybrid	Hybrid mode
non-hybrid	Non-hybrid mode

## Command Mode

- /exec/configure/ptp-profile

# mode

[no] mode <mode-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mode	Hot-standby mode
<i>mode-id</i>	Node Mode

## Command Mode

- /exec/configure/itd-dg-node



# mode flow-redirect

[no] mode flow-redirect

## Syntax Description

no	(Optional) Negate a command or set its defaults
mode	Configure the interface operational mode
flow-redirect	Disable/Enable flow-redirect on the interface

## Command Mode

- /exec/configure/if-port-channel /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-ethernet-switch

# mode interface

[no] mode { interface | vlan }

## Syntax Description

mode	De-Duplication config mode
interface	Interface mode
vlan	Vlan mode

## Command Mode

- /exec/configure/de-duplication

# mode tap-aggregation

[no] mode tap-aggregation [ { vlan <vlan\_id> } ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
mode	Configure the interface operational mode
tap-aggregation	Disable/Enable tap aggregation on the interface
vlan	(Optional) vlan that is to be tagged in outgoing packets
<i>vlan_id</i>	(Optional) Vlan ID

## Command Mode

- /exec/configure/if-switching

# module transceiver-frequency

[no] module <module> transceiver-frequency { <xcvr\_frequency> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
module	Configure for module
<i>module</i>	Enter module number
transceiver-frequency	Configure X2 transceiver frequency type
<i>xcvr_frequency</i>	Enter transceiver frequency type

## Command Mode

- /exec/configure

# monitor erspan granularity

[no] monitor erspan granularity { 100\_us | 100\_ns | 1588 | ns }

## Syntax Description

no	(Optional) Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
erspan	Configure Ethernet ERSPAN sessions
granularity	Configure granularity for ERSPAN Type III sessions
100_us	100 microseconds
100_ns	100 nanoseconds
1588	1588 in seconds/nanoseconds
ns	nanoseconds

## Command Mode

- /exec/configure

# monitor erspan origin ip-address

[no] monitor erspan origin ip-address <ip> [ global ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
erspan	Configure Ethernet ERSPAN sessions
origin	Configure the erspan origin ip address
ip-address	Configure global origin IP address
<i>ip</i>	
global	(Optional) Configure in default VDC across all VDCs

## Command Mode

- /exec/configure

## monitor erspan origin ipv6-address

[no] monitor erspan origin ipv6-address <ipv6> [ global ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
erspan	Configure Ethernet ERSPAN sessions
origin	Configure the erspan origin ipv6 address
ipv6-address	Configure global origin IPv6 address
<i>ipv6</i>	
global	(Optional) Configure in default VDC across all VDCs

### Command Mode

- /exec/configure

# monitor input

[no] monitor <monitorname> input

## Syntax Description

monitor	Specify the monitor to be applied
<i>monitorname</i>	Monitor name to be applied
input	Specify the direction

## Command Mode

- /exec/configure/nfm-system



# monitor input

[no] monitor <monitorname> input

## Syntax Description

monitor	Specify the monitor to be applied
<i>monitorname</i>	Monitor name to be applied
input	Specify the direction

## Command Mode

- /exec/configure/analytics/system

# monitor session

monitor session <session\_number> [ type local ]

## Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session_number</i>	
type	(Optional) Specify a session type
local	(Optional) Create a local session

## Command Mode

- /exec/configure

# monitor session shut

[no] monitor session { all | <session\_range> } [ shut ] | monitor session { all | <session\_range> } shut

## Syntax Description

no	Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
all	All sessions
<i>session_range</i>	
shut	(Optional) Shut the selected session

## Command Mode

- /exec/configure

# monitor session type acl-capture

monitor session <session\_number> type acl-capture

## Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session_number</i>	
type	Specify a session type
acl-capture	Create an acl-capture session

## Command Mode

- /exec/configure

# monitor session type erspan-destination

monitor session <session\_number> type erspan-destination

## Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session_number</i>	
type	Specify a session type
erspan-destination	Create an erspan destination session

## Command Mode

- /exec/configure

# monitor session type erspan-source

monitor session <session\_number> type erspan-source

## Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session_number</i>	
type	Specify a session type
erspan-source	Create an erspan source session

## Command Mode

- /exec/configure

# monitor session warp

monitor session warp [ type local ]

## Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
warp	Create warp session
type	(Optional) Specify a session type
local	(Optional) Create a local session

## Command Mode

- /exec/configure

# monitor session warp

[no] monitor session warp

## Syntax Description

no	Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
warp	Configure Warp span mode

## Command Mode

- /exec/configure



# mount

mount { usb1: | usb2: }

## Syntax Description

mount	mount expansion flash or USB storage
usb1:	mount USB drive in port 1
usb2:	mount USB drive in port 2

## Command Mode

- /exec

# mount slot0

mount slot0:

## Syntax Description

mount	mount expansion flash or USB storage
slot0:	mount expansion flash

## Command Mode

- /exec

# move

move <uri0> <uri1>

## Syntax Description

move	Move files
<i>uri0</i>	Source file path
<i>uri1</i>	Destination file path

## Command Mode

- /exec

# mpls

[no] mpls

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure Traffic Engineering Segment Routing MPLS liveness detection related configurations

## Command Mode

- /exec/configure/sr/te/live-det

# mpls

[no] mpls

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Enable Segment Routing MPLS

## Command Mode

- /exec/configure/config-sr

# mpls

[no] mpls

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure color specific MPLS liveness detection related configurations

## Command Mode

- /exec/configure/sr/te/color/live-det

# mpls

[no] mpls

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure color specific MPLS liveness detection related configurations

## Command Mode

- /exec/configure/sr/te/pol/live-det

# mpls access-list

[no] mpls access-list <mpls\_name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS access-list configuration commands
access-list	Configure access list
<i>mpls_name</i>	List name

## Command Mode

- /exec/configure



# mpls ip

[no] mpls ip

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Enable IP over MPLS

## Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel

# mpls ip default-route

[no] mpls ip default-route

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Dynamic MPLS forwarding for IP
default-route	Allow MPLS forwarding for ip default route

## Command Mode

- /exec/configure/ldp

# mpls ip forwarding

[no] mpls ip forwarding

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Enable IP over MPLS
forwarding	Enable MPLS forwarding on the interface

## Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-all /exec/configure/if-ether-sub  
/exec/configure/if-eth-port-channel /exec/configure/if-port-channel-sub  
/exec/configure/if-port-channel-range /exec/configure/if-vlan-common /exec/configure/if-mvpn  
/exec/configure/if-p2p exec/configure/ppm-ethernet-switch

# mpls ip propagate-ttl

mpls ip propagate-ttl | no mpls ip propagate-ttl [ forwarded | local ]

## Syntax Description

no	Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Configure IP features
propagate-ttl	Configure IP ttl propagation over mpls
forwarded	(Optional) Prevent traceroute from showing the hops for forwarded packets
local	(Optional) Prevent traceroute from showing the hops only for local packets

## Command Mode

- /exec/configure

## mpls ip ttl-expiration pop

[no] mpls ip ttl-expiration pop [ <labels> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Configure IP features
ttl-expiration	Configure ttl-expiration
pop	Pop
<i>labels</i>	(Optional) Number of labels

### Command Mode

- /exec/configure

# mpls label range

[no] mpls label range <min-label> <max-label> [ static <min-static-label> <max-static-label> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
label	Label properties
range	Label range
<i>min-label</i>	Minimum label value
<i>max-label</i>	Maximum label value
static	(Optional) Specify block of labels for static bindings
<i>min-static-label</i>	(Optional) Minimum static label value
<i>max-static-label</i>	(Optional) Maximum static label value

## Command Mode

- /exec/configure

# mpls load-sharing label-ip

[no] mpls load-sharing label-ip

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure Load sharing for Portchannel and ECMP based on labels
load-sharing	Load sharing for Portchannel and ECMP based on labels
label-ip	Load sharing based on label and IP

## Command Mode

- /exec/configure

# mpls load-sharing label-only

[no] mpls load-sharing label-only

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure Load sharing for Portchannel and ECMP based on labels
load-sharing	Load sharing for Portchannel and ECMP based on labels
label-only	Load sharing based on label only

## Command Mode

- /exec/configure



## mpls port access-group

[no] mpls port access-group <mpls\_name> <inout>

### Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS access-list configuration commands
port	Port policy
access-group	Specify access control for packets
<i>mpls_name</i>	List name
<i>inout</i>	Traffic direction

### Command Mode

- /exec/configure/if-set-acl-l2

# mpls qos pipe-mode

mpls qos pipe-mode | no mpls qos pipe-mode

## Syntax Description

no	negate a command or set its defaults
mpls	mpls configuration commands
qos	qos
pipe-mode	pipe mode

## Command Mode

- /exec/configure

# mpls static configuration

[no] mpls static configuration

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
static	Configure Static Label Bindings
configuration	Enter MPLS Static global configuration submenu

## Command Mode

- /exec/configure

# mpls strip

```
[no] mpls strip [ { mode dot1q } ]
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS information
strip	Stripping of MPLS headers
mode	(Optional) Mode for MPLS Strip
dot1q	(Optional) Mode for enabling vlan tagging

## Command Mode

- /exec/configure

# mpls strip label

[no] mpls strip label { <value> } [ interface <interface-name> ] | no mpls strip label all

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS information
strip	Stripping of MPLS headers
label	Add a static label in database
<i>value</i>	20 bit value for label
all	Delete all static labels
interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>interface-name</i>	(Optional) Interface name

## Command Mode

- /exec/configure

# mpls traffic-eng

[no] mpls traffic-eng <level>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure MPLS parameters
traffic-eng	Routing protocol commands for MPLS Traffic Engineering (TE)
<i>level</i>	IS-IS level

## Command Mode

- /exec/configure/router-isis

## mpls traffic-eng area

[no] mpls traffic-eng area <area-id-ip>

### Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	OSPF MPLS configuration commands
traffic-eng	OSPF MPLS Traffic Engineering commands
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address

### Command Mode

- /exec/configure/router-ospf

# mpls traffic-eng multicast-intact

[no] mpls traffic-eng multicast-intact

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure MPLS parameters
traffic-eng	Routing protocol commands for MPLS Traffic Engineering (TE)
multicast-intact	Configure MPLS-TE multicast interaction

## Command Mode

- /exec/configure/router-isis



# mpls traffic-eng multicast-intact

[no] mpls traffic-eng multicast-intact

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	OSPF MPLS configuration commands
traffic-eng	OSPF MPLS Traffic Engineering commands
multicast-intact	MPLS TE multicast support

## Command Mode

- /exec/configure/router-ospf

# mpls traffic-eng router-id

[no] mpls traffic-eng router-id <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure MPLS parameters
traffic-eng	Routing protocol commands for MPLS Traffic Engineering (TE)
router-id	Routing protocol commands for MPLS Traffic Engineering (TE)
<i>interface</i>	IS-IS interface

## Command Mode

- /exec/configure/router-isis

## mpls traffic-eng router-id

[no] mpls traffic-eng router-id <interface>

### Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	OSPF MPLS configuration commands
traffic-eng	OSPF MPLS Traffic Engineering commands
router-id	Router ID associated with TE
<i>interface</i>	Routable Interface

### Command Mode

- /exec/configure/router-ospf

# mpls ttl-mode php uniform

[no] mpls ttl-mode php uniform

## Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	mpls

## Command Mode

- /exec

## mst designated priority

mst <mst-id> designated priority <prio> | no mst <mst-id> designated priority [ <prio> ]

### Syntax Description

no	Negate a command or set its defaults
mst	Multiple spanning tree configuration
<i>mst-id</i>	MST instance range, example: 0-3,5,7-9
designated	Set the designated bridge priority for the spanning tree
priority	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

### Command Mode

- /exec/configure/spanning-tree/pseudo

## mst root priority

mst <mst-id> root priority <prio> | no mst <mst-id> root priority [ <prio> ]

### Syntax Description

no	Negate a command or set its defaults
mst	Multiple spanning tree configuration
<i>mst-id</i>	MST instance range, example: 0-3,5,7-9
root	Set the root bridge priority for the spanning tree
priority	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

### Command Mode

- /exec/configure/spanning-tree/pseudo

# mtrace

```
mtrace <source> [ <receiver> ] [ <group> ] [ vrf <vrf-known-name> ]
```

## Syntax Description

mtrace	Trace
<i>source</i>	IP
<i>receiver</i>	(Optional) IP
<i>group</i>	(Optional) IP
vrf	(Optional) VRF
<i>vrf-known-name</i>	(Optional) Known VRF name

## Command Mode

- /exec

# mts-buildup check

mts-buildup check { [ mts-percent <percent> detect-intvl <d\_intvl> ] } | no mts-buildup check

## Syntax Description

no	Negate a command
mts-buildup	MTS build up
check	MTS build up check
mts-percent	(Optional) MTS buildup percent
<i>percent</i>	(Optional) percent value
detect-intvl	(Optional) Interval to check MTS buildup
<i>d_intvl</i>	(Optional) Interval to check MTS buildup

## Command Mode

- /exec/configure



# mts callhome age

```
{ mts callhome age <i0> | no mts callhome age [ <i0> ] }
```

## Syntax Description

no	Negate a command or set its defaults
mts	MTS component
callhome	sending callhome message
age	Enter the age of message in minutes for MTS to generate callhome
<i>i0</i>	number of minutes

## Command Mode

- /exec/configure

## mts latency threshold sup

{ mts latency threshold { sup | lc } <i0> | no mts latency threshold { sup | lc } [ <i0> ] }

### Syntax Description

no	Negate a command or set its defaults
mts	MTS component
latency	message delay
threshold	Enter threshold of message delay in msec to log to MTS eventhistory
sup	set only in sup
lc	set only in lc
<i>i0</i>	number of msec

### Command Mode

- /exec/configure

# mtu

[no] mtu <mtu>

## Syntax Description

mtu	MTU
<i>mtu</i>	MTU port to be configured

## Command Mode

- /exec/configure/config-ssx-exporter

# mtu1

[no] mtu1 <value>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mtu1	MTU for the CoS
<i>value</i>	MTU value

## Command Mode

- /exec/configure/policy-map/type/uf/class

# mtu

mtu <mtu\_value> | no mtu

## Syntax Description

no	Negate a command or set its defaults
mtu	Set the MTU size for SPAN packets
<i>mtu_value</i>	

## Command Mode

- /exec/configure/monitor-local-src

# mtu

mtu <mtu\_value> | no mtu

## Syntax Description

no	Negate a command or set its defaults
mtu	Set the MTU size for ERSPAN packets
<i>mtu_value</i>	

## Command Mode

- /exec/configure/monitor-erspan-src

# mtu

mtu <mtu-val> | no mtu [ <mtu-val> ]

## Syntax Description

no	Negate a command or set its defaults
mtu	Configure MTU
<i>mtu-val</i>	Bytes

## Command Mode

- /exec/configure/if-any-tunnel

# mtu

[no] mtu <value>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mtu	MTU for the CoS
<i>value</i>	MTU value

## Command Mode

- /exec/configure/policy-map/type/uf/class



# mtu

mtu <mtu\_val> | no mtu

## Syntax Description

no	Negate a command or set its defaults
mtu	Set the interface Maximum Transmission Unit (MTU)
<i>mtu_val</i>	MTU size in bytes

## Command Mode

- /exec/configure/if-vlan-common

# mtu

mtu <mtu\_val> | no mtu [ <mtu\_val> ]

## Syntax Description

no	Negate a command or set its defaults
mtu	Configure mtu for the port
<i>mtu_val</i>	

## Command Mode

- /exec/configure/if-ether-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-port-channel-sub /exec/configure/if-sub /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

# mtu

mtu <mtu\_val> | no mtu [ <mtu\_val> ]

## Syntax Description

no	Negate a command or set its defaults
mtu	Configure mtu for the port
<i>mtu_val</i>	Enter MTU

## Command Mode

- /exec/configure/if-mgmt-ether

# multi-topology

[no] multi-topology [ transition ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
multi-topology	Enable multitopology for IPV6
transition	(Optional) Configure multitopology transition mode

## Command Mode

- /exec/configure/router-isis/router-isis-af-ipv6

# multicast

[no] multicast <mode\_enum>

## Syntax Description

no	(Optional) Negate a command or set its defaults
multicast	Enable multicast best-effort
<i>mode_enum</i>	

## Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor  
/exec/configure/config-monitor-erspan-src

# multicast flow-path disable-stats-table

[no] multicast flow-path disable-stats-table

## Syntax Description

no	(Optional) Negate a command or set its defaults
multicast	multicast
flow-path	service-reflect
disable-stats-table	Ingress interface

## Command Mode

- /exec/configure

# multicast flow-path export

[no] multicast flow-path export

## Syntax Description

no	(Optional) Negate a command or set its defaults
multicast	multicast
flow-path	service-reflect
export	Ingress interface

## Command Mode

- /exec/configure

## multicast service-reflect map interface

```
[no] multicast service-reflect { interface { <if-name> | all } | dest-prefix <prefix> } map interface <serv-if-name>
[ max-replication <repl-count> ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
multicast	multicast
service-reflect	service-reflect
interface	Oif interface
<i>if-name</i>	Interface name
all	Interface all
dest-prefix	Destination Prefix
<i>prefix</i>	Destination prefix
map	map to service interface
interface	Service interface
<i>serv-if-name</i>	Service Interface name
max-replication	(Optional) Max number of replications on the service-interface
<i>repl-count</i>	(Optional) Count of sub-interfaces to be created

### Command Mode

- /exec/configure /exec/configure/vrf



# multiplier multiplier

{ [ no ] multiplier | multiplier <multiplier> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
multiplier	Configure multiplier for liveness detection
<i>multiplier</i>	multiplier

## Command Mode

- /exec/configure/sr/te/live-det

# multisite border-gateway interface

[no] multisite border-gateway interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
multisite	VxLAN Multisite
border-gateway	VxLAN Multisite Border-gateway
interface	NVE Multisite Border-gateway Interface
<i>interface</i>	

## Command Mode

- /exec/configure/if-nve

# multisite ingress-replication

multisite ingress-replication [ optimized ] | no multisite ingress-replication

## Syntax Description

no	Negate a command or set its defaults
multisite	multisite
ingress-replication	Configure ingress replication
optimized	(Optional) Switch to optimized IR mode

## Command Mode

- /exec/configure/if-nve/vni

# multisite mcast-group

multisite mcast-group <dcf-core-group> | no multisite mcast-group

## Syntax Description

no	Negate a command or set its defaults
multisite	multisite
mcast-group	NVE Multicast Group
<i>dcf-core-group</i>	Multicast IP Prefix

## Command Mode

- /exec/configure/if-nve/vni

# mvpn vri id

```
{ mvpn vri id <value> } | { no mvpn vri id [ <value> ] }
```

## Syntax Description

no	Negate a command or set its defaults
mvpn	Configure VRI ID for Multicast VPN
vri	Generate VRI for all L3VNIs
id	Generate VRI with VNI:ID format
<i>value</i>	Specify 2 byte value for ID

## Command Mode

- /exec/configure/router-bgp

# mvr-config

[no] mvr-config

## Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-config	Enable IGMP MVR

## Command Mode

- /exec/configure

# mvr-group

[no] mvr-group { <ip-addr> [ count <count> | <ip-mask> ] } [ { vlan <vlan-id> } ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-group	MVR Group
<i>ip-addr</i>	Group IP Address
count	(Optional) Number of contiguous groups
<i>count</i>	(Optional) Number of contiguous groups
<i>ip-mask</i>	(Optional) IP network mask in format m.m.m.m
vlan	(Optional) Global default MVR vlan
<i>vlan-id</i>	(Optional) Enter MVR Vlan

## Command Mode

- /exec/configure/igmp-mvr-global

## mvr-group

```
[no] mvr-group { { <ip-prefix> } [ { vlan <vlan-id> } ] }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-group	MVR Group
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m
vlan	(Optional) Global default MVR vlan
<i>vlan-id</i>	(Optional) Enter MVR Vlan

### Command Mode

- /exec/configure/igmp-mvr-global



# mvr-group

[no] mvr-group { <ip-addr> [ count <count> | <ip-mask> ] } [ { vlan <vlan-id> } ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-group	MVR interface config
<i>ip-addr</i>	Group IP Address
count	(Optional) Number of contiguous groups
<i>count</i>	(Optional) Number of contiguous groups
<i>ip-mask</i>	(Optional) IP network mask in format m.m.m.m
vlan	(Optional) Global default MVR vlan
<i>vlan-id</i>	(Optional) Enter MVR Vlan

## Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

## mvr-group

```
[no] mvr-group { { <ip-prefix> } [ { vlan <vlan-id> } ] }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-group	MVR interface config
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m
vlan	(Optional) Global default MVR vlan
<i>vlan-id</i>	(Optional) Enter MVR Vlan

### Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

## mvr-suppress-query vlan

{ { mvr-suppress-query vlan <vlan-range> } | { no mvr-suppress-query } }

### Syntax Description

no	Negate a command or set its defaults
mvr-suppress-query	Suppress IGMP General query forwarding from vlans
vlan	MVR Vlan Id or ranges
<i>vlan-range</i>	VLAN ID 1-3967 or range(s): 1-5, 10 or 2-5,7-19

### Command Mode

- /exec/configure/igmp-mvr-global

# mvr-type receiver

[no] mvr-type receiver

## Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-type	MVR interface config
receiver	Mvr receiver port

## Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

## mvr-type source

[no] mvr-type source

### Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-type	MVR interface config
source	Mvr source port

### Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

# mvr-vlan

[no] mvr-vlan <vlan-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-vlan	Global default MVR vlan
<i>vlan-id</i>	Enter MVR Vlan

## Command Mode

- /exec/configure/igmp-mvr-global

# mvr-vlan

{ { no mvr-vlan <vlan-id> } | { mvr-vlan <vlan-id> } }

## Syntax Description

no	Negate a command or set its defaults
mvr-vlan	Interface MVR Config
<i>vlan-id</i>	Enter MVR Vlan

## Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

