

show mpls

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show mpls cross-connect

Table 1: show mpls cross-connect Command Output Descriptions

Field	Description
Cross connect ix	Displays the table index for the cross-connect.
in labelspace	Indicates that all MPLS interfaces will use the platform-wide label space ("0").
in label	Displays the ingress (incoming interface) label for this segment.
out-segment ix	Displays the outbound segment index.
Owner	Displays the creator of this segment, typically a protocol such as BGP
Persistent	Displays whether the tunnel is persistent – Yes or No.
Admin Status	Indicates whether the user can administratively disable a peer while still preserving its configuration. Up = Yes, Down = No.
Oper Status	Displays the current status of the cross-connect segment – Up or Down.

show mpls ftn

Table 2: show mpls ftn Command Output Descriptions

Field	Description
Prefix/mask	Displays the IP address and mask stored in for this FEC-to-NHLFE table entry.
Nhlfe-ix	Displays the index number for the Next-Hop Label Forwarding Entry.
opcode	PUSH = Replace the top label with another and then push one or more additional labels onto the label stack SET = Set the next hop label.
label/ifindex	Displays the label associated with the interface.
nh-addr	Displays the IP address of the next hop.

show mpls ilm

Table 3: show mpls ilm Command Output Descriptions

Field	Description
Label	Displays the label ID for this entry in the Incoming Label Map table.
Opcode	POP = Remove label from packet. CONTEXT-CHANGE = ??? DELIVER = ???
nhlfe-ix/context-id	Displays the Next-Hop Label Forwarding Entry (NHLFE) index or context ID for this entry.

Table 4: show mpls ilm fec Command Output Descriptions

Field	Description
Label	Displays the label ID for this entry in the Incoming Label Map table.
VRF	Displays the Virtual Routing and Forwarding information for this entry.
FEC	Displays the Forward Equivalency Class (FEC) for this entry.

Table 5: show mpls ilm label Command Output Descriptions

Field	Description
Label	Displays the label ID for this entry in the Incoming Label Map table.
Opcode	Displays the Opcode that identifies the specific PDU for this entry.
nhlfe-ix/context-id	Displays the NHLFE/ Context ID for this entry.

Table 6: show mpls ilm verbose Command Output Descriptions

Field	Description
In-segment entry with in label:	Displays the label ID for this entry in the Incoming Label Map table.
id:	Displays the Opcode that identifies the specific PDU for this entry.
row status:	Displays the Next-Hop Label Forwarding Entry/ Context ID for this entry.
Owner:	Ownership of the management plane.
# of pops:	Number of pops (TTL)
Index:	Index number
FEC:	Forward Equivalency Class

show mpls ldp bindings

Table 7: show mpls ldp bindings Command Output Descriptions

Field	Description
Prefix	Displays the IP address and mask for a particular destination.
LPD ID	LDP identifier (IP address).
Label	Displays the label associated with this entry.
Nexthop	Displays the IP address of the next hop.
Egress_if_index	Displays the interface index for egress messages.

show mpls ldp discovery

Table 8: show mpls ldp discovery Command Output Descriptions

Field	Description
Peer LDP ID	LDP ID of the peer router.
Hold Time (seconds)	Period of time (in seconds) a discovered LDP neighbor is remembered without receipt of an LDP hello message from the neighbor.
Proposed Local/Peer (seconds)	Hold times (in seconds) proposed for LDP hello timer by the local router and the peer router. LDP uses the lower of these two values as the hold time.
Remaining (seconds)	Time remaining time before the hello timer expires.

show mpls ldp neighbor

Table 9: show mpls ldp neighbor Command Output Descriptions

Field	Description
Peer LDP ID	LDP ID of the peer router.
State	Specifies the state of the LDP session.
Hold Time (seconds)	Period of time (in seconds) a discovered LDP neighbor is remembered without receipt of an LDP hello message from the neighbor.
Proposed Local/Peer (seconds)	Hold times (in seconds) proposed for LDP hello timer by the local router and the peer router. LDP uses the lower of these two values as the hold time.
Remaining (seconds)	Time remaining time before the hello timer expires.

show mpls ldp neighbor detail

Table 10: show mpls ldp neighbor detail Command Output Descriptions

Field	Description
Local LDP Identifier	LDP identifier(IP address) for the local router.
Peer LDP ID	LDP ID of the peer router.
Transport Address	Specifies the named IP address as the transport address in the LDP discovery hello messages.

Field	Description
State	Specifies the state of the LDP session.
Role	Specifies ACTIVE or PASSIVE role for the LSR.
Uptime	Specifies the length of time the LDP session has existed.
Keepalive Negotiated Hold Time	Indicates the time that an LDP session is to be maintained with an LDP peer without receiving LDP traffic or an LDP keepalive message from the peer.
Proposed Local/Peer	Hold times (in seconds) proposed for LDP hello timer by the local router and the peer router. LDP uses the lower of these two values as the hold time.
Remaining Keepalive hold time	Time remaining time before the keepalive timer expires.
Address advertised	Identifies the neighbor with this IP address.

show mpls nexthop-label-forwarding-entry

Table 11: show mpls nexthop-label-forwarding-entry Command Output Descriptions

Field	Description
Nhlfe-ix	Displays the index number for the Next-Hop Label Forwarding Entry.
Opcode	PUSH = Replace the top label with another and then push one or more additional labels onto the label stack SET = Set the next hop label.
label/ifindex	Displays the label associated with the interface.
nh-addr	Displays the IP address of the next hop.