



## L Commands

---

- [l2rib dup-host-mac-detection](#), on page 10
- [l2rib dup-host-mac-recovery](#), on page 11
- [label-allocation-mode per-vrf](#), on page 12
- [label allocate global](#), on page 13
- [lacp graceful-convergence](#), on page 14
- [lacp max-bundle](#), on page 15
- [lacp min-links](#), on page 16
- [lacp mode delay](#), on page 17
- [lacp mode delay](#), on page 18
- [lacp port-number front-panel](#), on page 19
- [lacp port-priority](#), on page 20
- [lacp rate](#), on page 21
- [lacp rate](#), on page 22
- [lacp suspend-individual](#), on page 23
- [lacp system-mac](#), on page 24
- [lacp system-priority](#), on page 25
- [lacp vpc-convergence](#), on page 26
- [last](#), on page 27
- [latency](#), on page 28
- [latency](#), on page 29
- [latency quantization](#), on page 30
- [latency quantization](#), on page 31
- [layer-2 multicast lookup mac](#), on page 32
- [layer2-switched flow monitor input](#), on page 33
- [layer2-switched flow monitor input](#), on page 34
- [layer3 peer-router](#), on page 35
- [layer3 peer-router syslog](#), on page 36
- [lcmd push\\_to\\_klm address port vlan](#), on page 37
- [ldap-search-map](#), on page 38
- [ldap-search-map](#), on page 39
- [ldap-server deadtime](#), on page 40
- [ldap-server host](#), on page 41
- [ldap-server host test rootDN](#), on page 42

- [ldap-server timeout](#), on page 43
- [ldap search-map](#), on page 44
- [less](#), on page 45
- [license smart clear eventlog](#), on page 46
- [license smart custom\\_id](#), on page 47
- [license smart factory reset](#), on page 48
- [license smart import](#), on page 49
- [license smart privacy](#), on page 50
- [license smart proxy address](#), on page 51
- [license smart save](#), on page 52
- [license smart source-interface](#), on page 53
- [license smart sync local](#), on page 54
- [license smart transport](#), on page 55
- [license smart trust idtoken local](#), on page 56
- [license smart url smart](#), on page 57
- [license smart usage interval](#), on page 58
- [license smart vrf](#), on page 59
- [limit-resource module-type](#), on page 60
- [limit-resource monitor-session-erspan-dst minimum maximum equal-to-min](#), on page 61
- [limit-resource monitor-session-inband-src minimum maximum equal-to-min](#), on page 62
- [limit-resource monitor-session minimum maximum equal-to-min](#), on page 63
- [limit-resource port-channel minimum maximum](#), on page 64
- [limit-resource vlan minimum maximum equal-to-min](#), on page 65
- [limit-resource vrf minimum maximum equal-to-min](#), on page 66
- [limit address-count](#), on page 67
- [line console](#), on page 68
- [line console](#), on page 69
- [line vty](#), on page 70
- [link-flap error-disable count interval](#), on page 71
- [link-level-flow-control watch-dog-interval on](#), on page 72
- [link-state-trap](#), on page 73
- [link active-jitter-management](#), on page 74
- [link debounce](#), on page 75
- [link dfe adaptive-tuning](#), on page 76
- [link loopback](#), on page 77
- [link mac-up timer](#), on page 78
- [link max-bringup timer](#), on page 79
- [link transmit attenuation](#), on page 80
- [link transmit reset-skip](#), on page 81
- [lisp](#), on page 82
- [lisp ddt](#), on page 83
- [lisp ddt authoritative-prefix eid-prefix](#), on page 84
- [lisp ddt delegate eid-prefix](#), on page 85
- [lisp ddt map-server-peer eid-prefix](#), on page 86
- [lisp ddt root](#), on page 87
- [lisp dynamic-eid](#), on page 88

- lisp dynamic-eid, on page 89
- lisp explicit-locator-path, on page 90
- lisp explicit-locator-path, on page 91
- lisp extended-subnet-mode, on page 92
- lisp geo-coordinates, on page 93
- lisp instance-id, on page 94
- lisp loc-reach-algorithm, on page 95
- lisp merge-registrations site-id, on page 96
- lisp mobility, on page 97
- lisp mobility test-liveness, on page 98
- lisp security, on page 99
- lisp site, on page 100
- lisp site, on page 101
- lisp smr-locators, on page 102
- lisp to, on page 103
- listobject-boolean not, on page 104
- listobject-weight weight threshold-weight, on page 105
- listobject, on page 106
- liveness-detection, on page 107
- liveness-detection, on page 108
- liveness-detection, on page 109
- lldp, on page 110
- lldp dcxb version auto, on page 112
- lldp dcxb version cee, on page 113
- lldp receive, on page 114
- lldp tlv-select dcxbp egress, on page 115
- lldp tlv-select management-address v4, on page 116
- lldp tlv-set management-address, on page 117
- lldp tlv-set management-address ipv6, on page 118
- lldp tlv-set vlan, on page 119
- lldp transmit, on page 120
- load-balance, on page 121
- load-balance, on page 122
- load-balance, on page 123
- load-balance egress filter-policy route-map, on page 124
- load-balance egress multipath auto-policy route-map, on page 125
- load-interval, on page 126
- load-interval, on page 127
- load-interval counter, on page 128
- load-interval counter, on page 129
- load, on page 130
- load, on page 131
- load, on page 132
- load configuration failed commit, on page 133
- local-as, on page 134
- local-as, on page 135

- [local-label prefix, on page 136](#)
- [local-label prefix, on page 137](#)
- [locator-led, on page 138](#)
- [locator, on page 139](#)
- [locator, on page 140](#)
- [locator, on page 141](#)
- [locator, on page 142](#)
- [locators, on page 143](#)
- [locators, on page 144](#)
- [lockdown, on page 145](#)
- [lockdown, on page 146](#)
- [log-adjacency-changes, on page 147](#)
- [log-adjacency-changes, on page 148](#)
- [log-adjacency-changes, on page 149](#)
- [log-adjacency-changes, on page 150](#)
- [log-adjacency-changes, on page 151](#)
- [log-neighbor-changes, on page 152](#)
- [log-neighbor-changes, on page 153](#)
- [log-neighbor-warnings, on page 154](#)
- [logging, on page 155](#)
- [logging abort, on page 156](#)
- [logging console, on page 157](#)
- [logging distribute, on page 158](#)
- [logging drop threshold, on page 159](#)
- [logging drop threshold, on page 160](#)
- [logging event link enable, on page 161](#)
- [logging event port link-status, on page 162](#)
- [logging event port link-status, on page 163](#)
- [logging event port link-status, on page 164](#)
- [logging event port link-status default, on page 165](#)
- [logging event port trunk-status, on page 166](#)
- [logging event port trunk-status, on page 167](#)
- [logging event port trunk-status default, on page 168](#)
- [logging history, on page 169](#)
- [logging level, on page 170](#)
- [logging level, on page 171](#)
- [logging level, on page 172](#)
- [logging level, on page 174](#)
- [logging level aaa, on page 175](#)
- [logging level acl, on page 176](#)
- [logging level aclmgr, on page 177](#)
- [logging level adbm, on page 178](#)
- [logging level adjmgr, on page 179](#)
- [logging level all, on page 180](#)
- [logging level amt, on page 181](#)
- [logging level app-hosting, on page 182](#)

- logging level arp, on page 183
- logging level ascii-cfg, on page 184
- logging level assoc\_mgr, on page 185
- logging level backup, on page 186
- logging level bfd, on page 187
- logging level bgp, on page 188
- logging level bloggerd, on page 189
- logging level bootvar, on page 190
- logging level callhome, on page 191
- logging level capability, on page 192
- logging level cdp, on page 193
- logging level cfs, on page 194
- logging level clis, on page 195
- logging level clk\_mgr, on page 196
- logging level confcheck, on page 197
- logging level copp, on page 198
- logging level core-dmon, on page 199
- logging level cts, on page 200
- logging level device-alias, on page 201
- logging level dhclient, on page 202
- logging level dhcp\_snoop, on page 203
- logging level diagclient, on page 204
- logging level diagmgr, on page 205
- logging level dot1x, on page 206
- logging level dpvm, on page 207
- logging level ecp, on page 208
- logging level eigrp, on page 209
- logging level eltm, on page 210
- logging level epbr, on page 211
- logging level epp, on page 212
- logging level ethpm, on page 213
- logging level ethpm link, on page 214
- logging level evb, on page 215
- logging level evmc, on page 216
- logging level evmed, on page 217
- logging level evms, on page 218
- logging level fabric forwarding, on page 219
- logging level fabricpath switch-id, on page 220
- logging level fc2d, on page 221
- logging level fcdomain, on page 222
- logging level fcns, on page 223
- logging level fcoe\_mgr, on page 224
- logging level fcs, on page 225
- logging level fdmi, on page 226
- logging level feature-mgr, on page 227
- logging level flogi, on page 228

- [logging level fs-daemon, on page 229](#)
- [logging level fspf, on page 230](#)
- [logging level fsync\\_mgr, on page 231](#)
- [logging level gpixm, on page 232](#)
- [logging level hardware-telemetry, on page 233](#)
- [logging level hsrp, on page 234](#)
- [logging level icam, on page 235](#)
- [logging level igmp, on page 236](#)
- [logging level imp, on page 237](#)
- [logging level interface-vlan, on page 238](#)
- [logging level ip pim, on page 239](#)
- [logging level ip sla responder, on page 240](#)
- [logging level ip sla sender, on page 241](#)
- [logging level ip sla twamp-server, on page 242](#)
- [logging level ipconf, on page 243](#)
- [logging level ipfib, on page 244](#)
- [logging level ipqos, on page 245](#)
- [logging level ipv6 mld, on page 246](#)
- [logging level ipv6 pim, on page 247](#)
- [logging level iscm, on page 248](#)
- [logging level iscm, on page 249](#)
- [logging level isis, on page 250](#)
- [logging level l2fm, on page 251](#)
- [logging level l2rib, on page 252](#)
- [logging level l3vm, on page 253](#)
- [logging level lacp, on page 254](#)
- [logging level ldap, on page 255](#)
- [logging level lem-mgr, on page 256](#)
- [logging level lim, on page 257](#)
- [logging level lisp, on page 258](#)
- [logging level lldp, on page 259](#)
- [logging level m2rib, on page 260](#)
- [logging level mfdm, on page 261](#)
- [logging level mfwd, on page 262](#)
- [logging level mfwdv6, on page 263](#)
- [logging level mmode, on page 264](#)
- [logging level module, on page 265](#)
- [logging level monitor, on page 266](#)
- [logging level mpls manager, on page 267](#)
- [logging level mpls static, on page 268](#)
- [logging level mpls switching, on page 269](#)
- [logging level msdp, on page 270](#)
- [logging level mvsh, on page 271](#)
- [logging level nat, on page 272](#)
- [logging level nbm, on page 273](#)
- [logging level netstack, on page 274](#)

- logging level nfm, on page 275
- logging level nfm, on page 276
- logging level nfm, on page 277
- logging level ngmvpn, on page 278
- logging level ngoam, on page 279
- logging level npv, on page 280
- logging level ntp, on page 281
- logging level nve, on page 282
- logging level nxsdk, on page 283
- logging level ofm, on page 284
- logging level orib, on page 285
- logging level ospf, on page 286
- logging level ospfv3, on page 287
- logging level pfstat, on page 288
- logging level pixm, on page 289
- logging level pktmgr, on page 290
- logging level platform, on page 291
- logging level plcmgr, on page 292
- logging level pltfm\_config, on page 293
- logging level pltm, on page 294
- logging level plugin, on page 295
- logging level poed, on page 296
- logging level port-profile, on page 297
- logging level port-resources, on page 298
- logging level port-security, on page 299
- logging level port, on page 300
- logging level port link-failure, on page 301
- logging level private-vlan, on page 302
- logging level ptp, on page 303
- logging level radius, on page 304
- logging level rdl, on page 305
- logging level res\_mgr, on page 306
- logging level rib, on page 307
- logging level rip, on page 308
- logging level rpm, on page 309
- logging level rscn, on page 310
- logging level sal, on page 311
- logging level scheduler, on page 312
- logging level scsi-target, on page 313
- logging level segment-routing, on page 314
- logging level session-mgr, on page 315
- logging level sflow, on page 316
- logging level smm, on page 317
- logging level snmpd, on page 318
- logging level snmpmib\_proc, on page 319
- logging level spanning, on page 320

- logging level spm, on page 321
- logging level stripcl, on page 322
- logging level sync, on page 323
- logging level sysmgr, on page 324
- logging level tacacs, on page 325
- logging level telemetry, on page 326
- logging level template\_manager, on page 327
- logging level track, on page 328
- logging level tunnel-encryption, on page 329
- logging level tunnel, on page 330
- logging level u2rib, on page 331
- logging level u6rib, on page 332
- logging level udlid, on page 333
- logging level ufdm, on page 334
- logging level urib, on page 335
- logging level vdc\_mgr, on page 336
- logging level virtual-service, on page 337
- logging level vlan\_mgr, on page 338
- logging level vmm, on page 339
- logging level vmtracker, on page 340
- logging level vpc, on page 341
- logging level vrrp, on page 342
- logging level vrrpv3, on page 343
- logging level vsan, on page 344
- logging level vshd, on page 345
- logging level vtp, on page 346
- logging level wwnm, on page 347
- logging level xbar, on page 348
- logging level zone, on page 349
- logging logfile, on page 350
- logging message interface type ethernet, on page 351
- logging module, on page 352
- logging monitor, on page 353
- logging origin-id, on page 354
- logging rate-limit, on page 355
- logging rfc-strict 5424, on page 356
- logging secure oosp strict, on page 357
- logging server, on page 358
- logging server dns-refresh-interval, on page 360
- logging source-interface, on page 361
- logging timestamp, on page 362
- login on-failure log, on page 363
- login on-success log, on page 364
- logout-warning, on page 365
- low-memory exempt, on page 366
- lshow, on page 367



- [lsp-gen-interval, on page 368](#)
- [lsp-gen-interval, on page 369](#)
- [lsp-gen-interval, on page 370](#)
- [lsp-mtu, on page 371](#)
- [lsp-mtu, on page 372](#)
- [lsp-mtu, on page 373](#)
- [lsp, on page 374](#)
- [lsp, on page 375](#)

## l2rib dup-host-mac-detection

```
{ no l2rib dup-host-mac-detection } | { l2rib dup-host-mac-detection <num-of-moves> <duration> }
```

### Syntax Description

|                        |  |
|------------------------|--|
| no                     | Negate a command or set its defaults               |
| l2rib                  | Layer 2 routing information base                   |
| dup-host-mac-detection | Set Duplicate-Host-MAC-Detection parameters        |
| <i>num-of-moves</i>    | Number of host moves to be allowed                 |
| <i>duration</i>        | Duplicate detection timeout in secs for host moves |

### Command Mode

- /exec/configure

## l2rib dup-host-mac-recovery

```
{ no l2rib dup-host-mac-recovery } | { l2rib dup-host-mac-recovery <timeout> <retry-count> }
```

### Syntax Description

|                       |   |
|-----------------------|---|
| no                    | Negate a command or set its defaults                  |
| l2rib                 | Layer 2 routing information base                      |
| dup-host-mac-recovery | Set Duplicate-Host-MAC-Recovery (Unfreeze) parameters |
| <i>timeout</i>        | Unfreeze timeout (secs)                               |
| <i>retry-count</i>    | Unfreeze retry count                                  |

### Command Mode

- /exec/configure

# label-allocation-mode per-vrf

[no] label-allocation-mode per-vrf

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | (Optional) Negate a command or set its defaults |
| label-allocation-mode | Configure label allocation mode                 |
| per-vrf               | per VRF label allocation mode                   |

## Command Mode

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

# label allocate global

[no] label allocate global { all-routes | host-routes | prefix-list <pfx-list> }

## Syntax Description

|                 |  |
|-----------------|--|
| no              | (Optional) Negate a command or set its defaults      |
| label           | LDP label configuration                              |
| allocate        | Allocate local labels                                |
| global          | Specify default VPN Routing/Forwarding instance      |
| all-routes      | Allocate local labels for all routes                 |
| host-routes     | Allocate local labels for host routes only (default) |
| prefix-list     | Specify a prefix-list for local label filtering      |
| <i>pfx-list</i> | IP prefix-list for destination prefixes              |

## Command Mode

- /exec/configure/ldp

# lACP graceful-convergence

lACP graceful-convergence | no lACP graceful-convergence

## Syntax Description

|                      |   |
|----------------------|---|
| no                   | Negate a command or set its defaults  |
| lACP                 | Set LACP parameters for the interface   |
| graceful-convergence | Configure port-channel lACP graceful convergence. Disable this only with lACP ports connected to Non-Nexus peer. Disabling this with Nexus peer can lead to port suspension |

## Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

# lACP max-bundle

lACP max-bundle <max-bundle-number> | no lACP max-bundle [ <max-bundle-number> ]

## Syntax Description

|                          |                                       |
|--------------------------|---------------------------------------|
| no                       | Negate a command or set its defaults  |
| lACP                     | Set LACP parameters for the interface |
| max-bundle               | Configure the port-channel max-bundle |
| <i>max-bundle-number</i> | Enter the max-bundle number           |

## Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel  
/exec/configure/if-eth-port-channel-p2p

# lacp min-links

lacp min-links <min-links-number> | no lacp min-links [ <min-links-number> ]

## Syntax Description

|                         |                                       |
|-------------------------|---------------------------------------|
| no                      | Negate a command or set its defaults  |
| lacp                    | Set LACP parameters for the interface |
| min-links               | Configure the port-channel min-links  |
| <i>min-links-number</i> | Enter the min-link number             |

## Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p



# lacp mode delay

[no] lacp mode delay

## Syntax Description

|       |   |
|-------|---|
| no    | (Optional) Negate a command or set its defaults |
| lacp  | Set LACP parameters for the interface           |
| mode  | Enter the LACP mode                             |
| delay | Configure delayed lacp on the port-channel      |

## Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel  
/exec/configure/if-eth-port-channel-p2p

# lacp mode delay

[no] lacp mode delay

## Syntax Description

|       |   |
|-------|---|
| no    | (Optional) Negate a command or set its defaults |
| lacp  | Set LACP parameters for the interface           |
| mode  | Enter the LACP mode                             |
| delay | Configure delayed lacp on the port-channel      |

## Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel  
/exec/configure/if-eth-port-channel-p2p

# lacp port-number front-panel

lacp port-number front-panel | no lacp port-number front-panel

## Syntax Description

|             |   |
|-------------|---|
| no          | Negate a command or set its defaults                              |
| lacp        | Set LACP parameters for the interface                             |
| port-number | Configure port-number in LACP port-channels                       |
| front-panel | Configure front panel based port numbering for LACP port-channels |

## Command Mode

- /exec/configure

# lacp port-priority

lacp port-priority <port-pri> | no lacp port-priority

## Syntax Description

|                 |                                       |
|-----------------|---------------------------------------|
| no              | Negate a command or set its defaults  |
| lacp            | Set LACP parameters for the interface |
| port-priority   | Set LACP port priority                |
| <i>port-pri</i> | Enter port priority                   |

## Command Mode

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

# lACP rate

[no] lACP rate

## Syntax Description

|      |   |
|------|---|
| no   | Negate a command or set its defaults          |
| lACP | Set LACP parameters for the interface         |
| rate | Configure rate at which PDUs are sent by LACP |

## Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all  
/exec/configure/if-ethernet-m /exec/configure/if-ethernet-switch-m /exec/configure/if-remote-ethernet  
/exec/configure/if-remote-ethernet-switch

# lacp rate

lacp rate <rate\_type>

## Syntax Description

|                  |   |
|------------------|---|
| lacp             | Set LACP parameters for the interface         |
| rate             | Configure rate at which PDUs are sent by LACP |
| <i>rate_type</i> | Rate type                                     |

## Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all  
/exec/configure/if-ethernet-m /exec/configure/if-ethernet-switch-m /exec/configure/if-remote-ethernet  
/exec/configure/if-remote-ethernet-switch

# lacp suspend-individual

lacp suspend-individual [ pxe [ <pxe-timeout> ] ] | no lacp suspend-individual [ pxe [ <pxe-timeout> ] ]

## Syntax Description

|                    |  |
|--------------------|--|
| no                 | Negate a command or set its defaults   |
| lacp               | Set LACP parameters for the interface  |
| suspend-individual | Configure lacp port-channel state. Disabling this will cause lacp to put the port to individual state and not suspend the port in case it does not get LACP BPDU from the peer ports in the port-channel |
| pxe                | (Optional) Disabling this would cause lacp to put only one port to individual state in case it does not get LACP BPDU from the peer port in the port-channel   |
| <i>pxe-timeout</i> | (Optional) PXE timeout value in seconds (default 10 seconds)   |

## Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel  
/exec/configure/if-eth-port-channel-p2p

# lacp system-mac

lacp system-mac <mac-address> [ role <role> ] | no lacp system-mac

## Syntax Description

|                    |  |
|--------------------|--|
| no                 | Negate a command or set its defaults                                 |
| lacp               | Set LACP parameters for the interface                                |
| system-mac         | Configure the MAC address to be used for the LACP Protocol exchanges |
| <i>mac-address</i> | MAC-address(FORMAT :xxxx.xxxx.xxxx)                                  |
| role               | (Optional) Configure the role for this Switch                        |
| <i>role</i>        | (Optional) Role played by the Switch                                 |

## Command Mode

- /exec/configure



# lacp system-priority

lacp system-priority <sys-pri> | no lacp system-priority

## Syntax Description

|                 |                                       |
|-----------------|---------------------------------------|
| no              | Negate a command or set its defaults  |
| lacp            | Set LACP parameters for the interface |
| system-priority | Set LACP system priority              |
| <i>sys-pri</i>  | Enter System Priority                 |

## Command Mode

- /exec/configure

# lacp vpc-convergence

lacp vpc-convergence | no lacp vpc-convergence

## Syntax Description

|                 |  |
|-----------------|--|
| no              | Negate a command or set its defaults           |
| lacp            | Set LACP parameters for the interface          |
| vpc-convergence | Enable lacp convergence for vPC port channels. |

## Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

# last

| last [ <lines> ]

## Syntax Description

|              |                                     |
|--------------|-------------------------------------|
|              | Pipe command output to filter       |
| last         | Display last lines                  |
| <i>lines</i> | (Optional) number of lines to print |

## Command Mode

- /output

# latency

{ [ no ] latency <lat> | no latency }

## Syntax Description

|            |   |
|------------|---|
| latency    | Provide the latency value for this POSTCARD queue_profile |
| <i>lat</i> | queue_profile latency (nano seconds). Default is 2048 ns  |

## Command Mode

- /exec/configure/config-postcard-q-prof

# latency

{ [ no ] latency <lat> | no latency }

## Syntax Description

|            |  |
|------------|--|
| latency    | Provide the latency value for this INT queue_profile     |
| <i>lat</i> | queue_profile latency (nano seconds). Default is 2048 ns |

## Command Mode

- /exec/configure/config-int-q-prof

# latency quantization

{ [ no ] latency quantization <lat> | no latency quantization }

## Syntax Description

|              |   |
|--------------|---|
| latency      | Provide the latency value for this POSTCARD flow-profile  |
| quantization | Provide the latency value for this POSTCARD flow-profile  |
| <i>lat</i>   | flow-profile latency quantization. This value will be converted to a power of 2 (nanoseconds). For example, value of 11 will be converted to 2 power 11 which is 2048. This means that if the difference between ingress timestamp and egress timestamp is more than 2048 nanosec at any postcard in the path, one upstream report or local report will be generated per flow. The allowed values are in range 0-28. Default is 11. |

## Command Mode

- /exec/configure/config-postcard-flow-prof

# latency quantization

{ [ no ] latency quantization <lat> | no latency quantization }

## Syntax Description

|              |   |
|--------------|---|
| latency      | Provide the latency value for this INT flow-profile   |
| quantization | Provide the latency value for this INT flow-profile   |
| <i>lat</i>   | flow-profile latency quantization. This value will be converted to a power of 2 (nanoseconds). For example, value of 11 will be converted to 2 power 11 which is 2048. This means that if the difference between ingress timestamp and egress timestamp is more than 2048 nanosec at any point in the path, one upstream report or local report will be generated per flow. The allowed values are in range 0-28 Default is 11. |

## Command Mode

- /exec/configure/config-int-flow-prof

# layer-2 multicast lookup mac

[no] layer-2 multicast lookup mac

## Syntax Description

|           |   |
|-----------|---|
| no        | (Optional) Negate a command or set its defaults |
| layer-2   | set layer2 multicast lkup mode                  |
| multicast | set layer2 multicast lkup mode                  |
| lookup    | lkup type can be either mac or ip based         |
| mac       | set mac based multicast lkup mode               |

## Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain



# layer2-switched flow monitor input

[no] layer2-switched flow monitor <monitorname> { input | output }

## Syntax Description

|                    |  |
|--------------------|--|
| layer2-switched    | Configure L2 features                  |
| flow               | NetFlow related commands               |
| monitor            | Apply a Flow Monitor to this interface |
| <i>monitorname</i> | Name of Flow Monitor                   |
| input              | Apply Flow Monitor on input traffic    |
| output             | Apply Flow Monitor on output traffic   |

## Command Mode

- /exec/configure/if-switching

# layer2-switched flow monitor input

[no] layer2-switched flow monitor <monitorname> { input | output }

## Syntax Description

|                    |  |
|--------------------|--|
| layer2-switched    | Configure L2 features                  |
| flow               | NetFlow related commands               |
| monitor            | Apply a Flow Monitor to this interface |
| <i>monitorname</i> | Name of Flow Monitor                   |
| input              | Apply Flow Monitor on input traffic    |
| output             | Apply Flow Monitor on output traffic   |

## Command Mode

- /exec/configure/if-veth /exec/configure/if-veth-all /exec/configure/if-vethernet /exec/configure/if-veth-any

# layer3 peer-router

layer3 peer-router | no layer3 peer-router

## Syntax Description

|             |   |
|-------------|---|
| no          | Negate a command or set its defaults              |
| layer3      | Enable layer 3 functionality                      |
| peer-router | no change for TTL of packets destined to the peer |

## Command Mode

- /exec/configure/vpc-domain

## layer3 peer-router syslog

layer3 peer-router syslog [ interval <syslog-interval> ] | no layer3 peer-router syslog

### Syntax Description

|                        |   |
|------------------------|---|
| no                     | Negate a command or set its defaults              |
| layer3                 | Enable layer 3 functionality                      |
| peer-router            | no change for TTL of packets destined to the peer |
| syslog                 | print layer 3 protocol syslog                     |
| interval               | (Optional) how frequent to print the syslog       |
| <i>syslog-interval</i> | (Optional) how many seconds to print a syslog     |

### Command Mode

- /exec/configure/vpc-domain

# lcmd push\_to\_klm address port vlan

lcmd push\_to\_klm address <macaddr> port <portnum> vlan <vlanid>

## Syntax Description

|                |                             |
|----------------|-----------------------------|
| lcmd           | LCND configuration          |
| push_to_klm    | Push MAC address to auth_db |
| address        | MAC address                 |
| <i>macaddr</i> | MAC address                 |
| port           | Port number                 |
| <i>portnum</i> | Port number                 |
| vlan           | VLAN id                     |
| <i>vlanid</i>  | VLAN id                     |

## Command Mode

- /exec/configure

# ldap-search-map

[no] ldap-search-map

## Syntax Description

|                 |  |
|-----------------|--|
| no              | Negate a command or set its defaults           |
| ldap-search-map | Set one of the configured search-map as active |

## Command Mode

- /exec/configure/ldap

# ldap-search-map

ldap-search-map <*s0*>

## Syntax Description

|                 |  |
|-----------------|--|
| ldap-search-map | Set one of the configured search-map as active |
| <i>s0</i>       | Name of the search-map                         |

## Command Mode

- /exec/configure/ldap

# ldap-server deadtime

[no] ldap-server deadtime <i0>

## Syntax Description

|             |   |
|-------------|---|
| no          | (Optional) Negate a command or set its defaults                   |
| ldap-server | Configure LDAP related parameters                                 |
| deadtime    | Global LDAP server deadtime period in seconds                     |
| <i>i0</i>   | LDAP server deadtime period in minutes (default 0 mins -disabled) |

## Command Mode

- /exec/configure



# ldap-server host

```
[no] ldap-server host { <hostipname> } [ { enable-ssl | port <i1> [ timeout <i2> ] | rootDN <s0> [ password { 7 <s1> | <s2> } ] [ port1 <i3> ] [ timeout1 <i4> ] | timeout2 <i5> | referral-disable } ]
```

## Syntax Description

|                   |  |
|-------------------|--|
| no                | (Optional) Negate a command or set its defaults                    |
| ldap-server       | Configure LDAP related parameters                                  |
| host              | LDAP server's DNS name or IP address                               |
| <i>hostipname</i> | IPV4/IPV6 address or DNS name                                      |
| enable-ssl        | (Optional) LDAP server enable ssl                                  |
| port              | (Optional) LDAP server's port (default: global config)             |
| <i>i1</i>         | (Optional) port number   |
| timeout           | (Optional) LDAP server timeout period in seconds                   |
| <i>i2</i>         | (Optional) LDAP server timeout in seconds (default: global config) |
| rootDN            | (Optional) LDAP server root DN                                     |
| <i>s0</i>         | (Optional) root DN   |
| password          | (Optional) LDAP server root password                               |
| 7                 | (Optional) LDAP root password (encrypted)                          |
| <i>s1</i>         | (Optional) password (encrypted)                                    |
| <i>s2</i>         | (Optional) password (clear text)                                   |
| port1             | (Optional) LDAP server's port (default: global config)             |
| <i>i3</i>         | (Optional) port number   |
| timeout1          | (Optional) LDAP server timeout period in seconds                   |
| <i>i4</i>         | (Optional) LDAP server timeout in seconds (default: global config) |
| timeout2          | (Optional) LDAP server timeout period in seconds                   |
| <i>i5</i>         | (Optional) LDAP server timeout in seconds (default: global config) |
| referral-disable  | (Optional) LDAP server disable referrals                           |

## Command Mode

- /exec/configure

# ldap-server host test rootDN

```
[no] ldap-server host { <hostipname> } test rootDN <r1> { { [ username <s0> { [ password { [ 7 <s2> | <s1> ] } [ idle-time <i1> ] ] | [ idle-time <i1> ] } ] } | { [ password { [ 7 <s2> | <s1> ] } [ idle-time <i1> ] ] } | { [ idle-time <i1> ] } }
```

## Syntax Description

|                   |  |
|-------------------|--|
| <i>username</i>   | (Optional) <s0>                                    |
| no                | (Optional) Negate a command or set its defaults    |
| ldap-server       | Configure LDAP related parameters                  |
| host              | LDAP server's IP address                           |
| <i>hostipname</i> | IPV4/IPV6 address or DNS name                      |
| test              | Parameters to send test packets                    |
| 7                 | (Optional) LDAP test password (encrypted)          |
| <i>s0</i>         | (Optional) user name                               |
| password          | (Optional) user password in test packets           |
| <i>s1</i>         | (Optional) test password                           |
| <i>s2</i>         | (Optional) test password (encrypted)               |
| rootDN            | rootDN in test packets                             |
| <i>r1</i>         | root DN  |
| idle-time         | (Optional) time interval for monitoring the server |
| <i>i1</i>         | (Optional) time period in minutes                  |

## Command Mode

- /exec/configure

# ldap-server timeout

[no] ldap-server timeout <i0>

## Syntax Description

|             |   |
|-------------|---|
| no          | (Optional) Negate a command or set its defaults       |
| ldap-server | Configure LDAP related parameters                     |
| timeout     | Global LDAP server timeout period in seconds          |
| <i>i0</i>   | LDAP server timeout period in seconds (default 5 sec) |

## Command Mode

- /exec/configure

# ldap search-map

[no] ldap search-map <s0>

## Syntax Description

|            |   |
|------------|---|
| no         | (Optional) Negate a command or set its defaults |
| ldap       | Configure information about ldap                |
| search-map | Configure the search-map                        |
| s0         | Search Map Name                                 |

## Command Mode

- /exec/configure

# less

| less [ -d | -E ] +

## Syntax Description

|      |                                |
|------|--------------------------------|
|      | Pipe command output to filter  |
| less | Filter for paging              |
| -d   | (Optional) dumb terminal       |
| -E   | (Optional) quit at end of file |

## Command Mode

- /output

# license smart clear eventlog

license smart clear eventlog

## Syntax Description

|          |                                |
|----------|--------------------------------|
| license  | License related command        |
| smart    | Smart license related commands |
| clear    | Clear                          |
| eventlog | Event log                      |

## Command Mode

- /exec

# license smart custom\_id

license smart custom\_id <s0> | no license smart custom\_id

## Syntax Description

|           |   |
|-----------|---|
| no        | Negate a command or set its defaults          |
| license   | License related command                       |
| smart     | Smart license related commands                |
| custom_id | Identifier to be added in utility RUM Report. |
| s0        | Provide identifier                            |

## Command Mode

- /exec/configure

# license smart factory reset

license smart factory reset

## Syntax Description

|         |                                |
|---------|--------------------------------|
| license | License related command        |
| smart   | Smart license related commands |
| factory | Smart license factory command  |
| reset   | Reset smart command            |

## Command Mode

- /exec



# license smart import

license smart import <file>

## Syntax Description

|             |   |
|-------------|---|
| license     | License related command   |
| smart       | Smart license related commands  |
| import      | Import or install authorization codes, policies, trust codes or ack from file |
| <i>file</i> | Specify URL for the file  |

## Command Mode

- /exec

# license smart privacy

[no] license smart privacy { all | hostname | version }

## Syntax Description

|          |   |
|----------|---|
| no       | (Optional) Negate a command or set its defaults |
| license  | License related command                         |
| smart    | Smart license related commands                  |
| privacy  | Set internal data privacy                       |
| hostname | Apply privacy setting for hostname              |
| version  | Apply privacy setting for SA version            |
| all      | Apply privacy setting for all data types        |

## Command Mode

- /exec/configure

# license smart proxy address

license smart proxy { address <proxyadd> | port <proxyport> } | no license smart proxy { address | port }

## Syntax Description

|                  |                                      |
|------------------|--------------------------------------|
| no               | Negate a command or set its defaults |
| license          | License related command              |
| smart            | Smart license related commands       |
| proxy            | Proxy related commands               |
| address          | The IP address or the hostname       |
| <i>proxyadd</i>  | Address/Hostname                     |
| port             | The port                             |
| <i>proxyport</i> | Proxy port                           |

## Command Mode

- /exec/configure

# license smart save

license smart save { usage { all | days <n> | unreported | rum-Id <rum\_id> } <file> | trust-request <file> }

## Syntax Description

|               |  |
|---------------|--|
| license       | License related command                                  |
| smart         | Smart license related commands                           |
| save          | Save RUM reports / trust request to a file offline       |
| usage         | Save RUM reports   |
| all           | Save all RUM reports                                     |
| days          | Save RUM reports for the last number of <days> specified |
| unreported    | Save RUM reports not previously saved in file or sent    |
| rum-Id        | Save an individual RUM report                            |
| <i>rum_id</i> | RUM ID   |
| trust-request | Generate trust request to save it a file                 |
| <i>n</i>      | Specify number of days                                   |
| <i>file</i>   | Specify URL for the file                                 |

## Command Mode

- /exec

# license smart source-interface

license smart source-interface <src-intf> | no license smart source-interface

## Syntax Description

|                  |                                      |
|------------------|--------------------------------------|
| no               | Negate a command or set its defaults |
| license          | License related command              |
| smart            | Smart license related commands       |
| source-interface | Select source interface              |
| <i>src-intf</i>  | Specify interface                    |

## Command Mode

- /exec/configure

# license smart sync local

license smart sync { local | all }

## Syntax Description

|         |   |
|---------|---|
| license | License related command   |
| smart   | Smart license related commands  |
| sync    | Send any unsent RUM reports to the CSLU, controller REST endpoint or CSSM |
| local   | Get codes for the current UDI   |
| all     | Get codes for all devices in HA config                                    |

## Command Mode

- /exec

# license smart transport

license smart transport { callhome | smart | cslu | off } | no license smart transport

## Syntax Description

|           |                                      |
|-----------|--------------------------------------|
| no        | Negate a command or set its defaults |
| license   | License related command              |
| smart     | Smart license related commands       |
| transport | set transport mode                   |
| callhome  | Set the transport mode to callhome   |
| smart     | Set the transport mode to smart      |
| cslu      | Set the transport mode to cslu       |
| off       | Set the transport mode to off        |

## Command Mode

- /exec/configure

## license smart trust idtoken local

license smart trust idtoken <s0> { local | all } [ force ]

### Syntax Description

|           |  |
|-----------|--|
| license   | License related command                        |
| smart     | Smart license related commands                 |
| trust     | Establish trust with backend                   |
| idtoken   | Use Trust Token to establish trust             |
| <i>s0</i> | Provide id token received from backend         |
| local     | Establish trust with backend for Active SUP    |
| all       | Establish trust with backend for all SUPs      |
| force     | (Optional) Force backend to re-establish trust |

### Command Mode

- /exec



# license smart url smart

license smart url { smart | cslu } <url> | no license smart url { smart | cslu }

## Syntax Description

|            |   |
|------------|---|
| no         | Negate a command or set its defaults  |
| license    | License related command   |
| smart      | Smart license related command   |
| url        | Set the transport url   |
| smart      | Set smart transport url   |
| cslu       | Set CSLU URL  |
| <i>url</i> | Provide http or https url, example1: http://site.com/services/callserv<br>example2: https://site2.com/serv/CALL |

## Command Mode

- /exec/configure

# license smart usage interval

license smart usage interval <i0> | no license smart usage interval

## Syntax Description

|           |   |
|-----------|---|
| no        | Negate a command or set its defaults        |
| license   | License related command                     |
| smart     | Smart license related commands              |
| usage     | RUM reports                                 |
| interval  | Day for periodic RUM reports sending        |
| <i>i0</i> | Reporting interval in days. Default 30 days |

## Command Mode

- /exec/configure

# license smart vrf

license smart vrf { <vrf\_name> | <vrf-known-name> } | no license smart vrf

## Syntax Description

|                       |                                      |
|-----------------------|--------------------------------------|
| no                    | Negate a command or set its defaults |
| license               | License related command              |
| smart                 | Smart license related commands       |
| vrf                   | Configure vrf name                   |
| <i>vrf_name</i>       | VRF name                             |
| <i>vrf-known-name</i> | Known VRF name                       |

## Command Mode

- /exec/configure

# limit-resource module-type

{ limit-resource module-type <card-type> + } | { no limit-resource module-type }

## Syntax Description

|                  |  |
|------------------|--|
| no               | Negate a command or set its defaults                   |
| limit-resource   | Resource configuration                                 |
| module-type      | Controls which type of modules are allowed in this vdc |
| <i>card-type</i> | Allowed module types                                   |

## Command Mode

- /exec/configure/vdc

# limit-resource monitor-session-erspan-dst minimum maximum equal-to-min

```
{ limit-resource monitor-session-erspan-dst minimum <min-val> maximum { <max-val> | equal-to-min } }
| { no limit-resource monitor-session-erspan-dst [ minimum <min-val> maximum { <max-val> | equal-to-min
} ] }
```

## Syntax Description

|                            |  |
|----------------------------|--|
| limit-resource             | Resource configuration                         |
| monitor-session-erspan-dst | Monitor erspan destination session             |
| minimum                    | minimum monitor erspan-dst session to allocate |
| <i>min-val</i>             | minimum monitor erspan-dst session value       |
| maximum                    | maximum monitor erspan-dst session to allocate |
| <i>max-val</i>             | maximum monitor erspan-dst session value       |
| equal-to-min               | set maximum value equal to min                 |

## Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

# limit-resource monitor-session-inband-src minimum maximum equal-to-min

```
{ limit-resource monitor-session-inband-src minimum <min-val> maximum { <max-val> | equal-to-min } }
| { no limit-resource monitor-session-inband-src [ minimum <min-val> maximum { <max-val> | equal-to-min
} ] }
```

## Syntax Description

|                            |   |
|----------------------------|---|
| limit-resource             | Resource configuration                    |
| monitor-session-inband-src | Monitor inband source                     |
| minimum                    | minimum monitor inband source to allocate |
| <i>min-val</i>             | minimum monitor inband source value       |
| maximum                    | maximum monitor inband source to allocate |
| <i>max-val</i>             | maximum monitor inband source value       |
| equal-to-min               | set maximum value equal to min            |

## Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

# limit-resource monitor-session minimum maximum equal-to-min

```
{ limit-resource monitor-session minimum <min-val> maximum { <max-val> | equal-to-min } } | { no
limit-resource monitor-session [ minimum <min-val> maximum { <max-val> | equal-to-min } ] }
```

## Syntax Description

|                 |   |
|-----------------|---|
| limit-resource  | Resource configuration                    |
| monitor-session | Monitor local/erspan-source session       |
| minimum         | minimum monitor local session to allocate |
| <i>min-val</i>  | minimum monitor local session value       |
| maximum         | maximum monitor local session to allocate |
| <i>max-val</i>  | maximum monitor local session value       |
| equal-to-min    | set maximum value equal to min            |

## Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

# limit-resource port-channel minimum maximum

limit-resource port-channel minimum <min-val> maximum { <max-val> | equal-to-min } | no limit-resource port-channel [ minimum <min-val> maximum { <max-val> | equal-to-min } ]

## Syntax Description

|                |                                      |
|----------------|--------------------------------------|
| no             | Negate a command or set its defaults |
| limit-resource | Resource configuration               |
| port-channel   | set port-channel limits              |
| minimum        | minimum port-channels to allocate    |
| <i>min-val</i> |                                      |
| maximum        | maximum port-channels to allocate    |
| <i>max-val</i> |                                      |
| equal-to-min   | set maximum value equal to min       |

## Command Mode

- /exec/configure/vdc-template /exec/configure/vdc



## limit-resource vlan minimum maximum equal-to-min

{ limit-resource vlan minimum <min-val> maximum { <max-val> | equal-to-min } } | { no limit-resource vlan [ minimum <min-val> maximum { <max-val> | equal-to-min } ] }

### Syntax Description

|                |                                      |
|----------------|--------------------------------------|
| no             | Negate a command or set its defaults |
| limit-resource | Resource configuration               |
| vlan           | set VLAN limits                      |
| minimum        | minimum VLANs to allocate            |
| <i>min-val</i> | minimum VLANs value                  |
| maximum        | maximum VLANs to allocate            |
| <i>max-val</i> | maximum VLANs value                  |
| equal-to-min   | set maximum value equal to min       |

### Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

## limit-resource vrf minimum maximum equal-to-min

```
{ limit-resource vrf minimum <number1> maximum { <number2> | equal-to-min } } | { no limit-resource vrf [ minimum <number1> maximum { <number2> | equal-to-min } ] }
```

### Syntax Description

|                |                                      |
|----------------|--------------------------------------|
| no             | Negate a command or set its defaults |
| limit-resource | Resource configuration               |
| vrf            | set vrf resource limits              |
| minimum        | minimum vrf resources to allocate    |
| <i>number1</i> | minimum vrf resource value           |
| maximum        | maximum vrf resources to allocate    |
| <i>number2</i> | maximum vrf resource value           |
| equal-to-min   | set maximum value equal to min       |

### Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

# limit address-count

[no] limit address-count <addr\_count>

## Syntax Description

|                   |   |
|-------------------|---|
| no                | (Optional) Negate a command or set its defaults |
| <i>addr_count</i> | maximum value                                   |

## Command Mode

- /exec/configure/config-snoop-policy

# line console

[no] line console

## Syntax Description

|         |   |
|---------|---|
| no      | (Optional) Negate a command or set its defaults |
| line    | Configure a terminal line                       |
| console | Primary terminal line                           |

## Command Mode

- /exec/configure

# line console

[no] line console

## Syntax Description

|         |   |
|---------|---|
| no      | (Optional) Negate a command or set its defaults |
| line    | Configure a terminal line                       |
| console | Primary terminal line                           |

## Command Mode

- /exec/configure

# line vty

line vty

## Syntax Description

|      |                           |
|------|---------------------------|
| line | Configure a terminal line |
| vty  | Virtual terminal line     |

## Command Mode

- /exec/configure

# link-flap error-disable count interval

{ link-flap error-disable count <count> interval <interval> | no link-flap error-disable }

## Syntax Description

|                 |  |
|-----------------|--|
| no              | Negate a command or set its defaults                     |
| link-flap       | Configure actions on link-flap                           |
| error-disable   | Configure the port to error-disable on link-flap         |
| count           | Configure the number of link-flaps to trigger the action |
| <i>count</i>    | Specify the number of link-flaps for action              |
| interval        | Configure the interval to trigger the action             |
| <i>interval</i> | link-flap interval in seconds                            |

## Command Mode

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

# link-level-flow-control watch-dog-interval on

[no] link-level-flow-control watch-dog-interval { on | off }

## Syntax Description

|                         |  |
|-------------------------|--|
| no                      | (Optional) Negate the command            |
| link-level-flow-control | Enable/Disable LLFC                      |
| watch-dog-interval      | Watch dog interval                       |
| on                      | Enable LLFC watch-dog interval globally  |
| off                     | Disable LLFC watch-dog interval globally |

## Command Mode

- /exec/configure



# link-state-trap

[no] link-state-trap

## Syntax Description

|                 |   |
|-----------------|---|
| no              | (Optional) Negate a command or set its defaults |
| link-state-trap | Enable/disable link state change traps          |

## Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-fcip /exec/configure/if-iscsi

# link active-jitter-management

{ link active-jitter-management | no link active-jitter-management }

## Syntax Description

|                          |  |
|--------------------------|--|
| no                       | Negate a command or set its defaults     |
| link                     | Configure link                           |
| active-jitter-management | Enable/Disable jitter management on link |

## Command Mode

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

# link debounce

```
link debounce { [ link-up [ time <time_val_link_up> ] ] | [ time <time_val> ] } | no link debounce [ link-up ]
```

## Syntax Description

|                         |  |
|-------------------------|--|
| no                      | Negate a command or set its defaults     |
| link                    | Configure link                           |
| debounce                | Configure link debounce timer            |
| link-up                 | (Optional) Timer for the link-up event   |
| time                    | (Optional) Link debounce time            |
| <i>time_val</i>         | (Optional) Timer value (in milliseconds) |
| <i>time_val_link_up</i> | (Optional) Timer value (in milliseconds) |

## Command Mode

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

# link dfe adaptive-tuning

{ link dfe adaptive-tuning | no link dfe adaptive-tuning }

## Syntax Description

|                 |   |
|-----------------|---|
| no              | Negate a command or set its defaults        |
| link            | Configure link                              |
| dfe             | Decision Feedback Equalizer                 |
| adaptive-tuning | Configure DFE adaptive tuning for interface |

## Command Mode

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

# link loopback

{ link loopback | no link loopback }

## Syntax Description

|          |   |
|----------|---|
| no       | Negate a command or set its defaults        |
| link     | configure link                              |
| loopback | configure the port to be in a loopback mode |

## Command Mode

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

# link mac-up timer

```
{ link mac-up timer <mac_up_timer_val> | no link mac-up timer }
```

## Syntax Description

|                         |                                      |
|-------------------------|--------------------------------------|
| no                      | Negate a command or set its defaults |
| link                    | Configure link                       |
| mac-up                  | Configure link mac-up timer          |
| timer                   | Link mac-up time                     |
| <i>mac_up_timer_val</i> | Timer value (in seconds)             |

## Command Mode

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

# link max-bringup timer

{ link max-bringup timer <max\_bringup\_timer\_val\_max> | no link max-bringup timer }

## Syntax Description

|                                  |  |
|----------------------------------|--|
| no                               | Negate a command or set its defaults     |
| link                             | Configure link                           |
| max-bringup                      | Configure link max-bringup timer maximum |
| timer                            | Link max-bringup timer maximum           |
| <i>max_bringup_timer_val_max</i> | Timer value (in seconds)                 |

## Command Mode

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

# link transmit attenuation

{ link transmit attenuation | no link transmit attenuation }

## Syntax Description

|             |   |
|-------------|---|
| no          | Negate a command or set its defaults        |
| link        | Configure link                              |
| transmit    | Configure link transmit for interface       |
| attenuation | Enable/Disable attenuation on link transmit |

## Command Mode

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



# link transmit reset-skip

{ link transmit reset-skip | no link transmit reset-skip }

## Syntax Description

|            |                                       |
|------------|---------------------------------------|
| no         | Negate a command or set its defaults  |
| link       | Configure link                        |
| transmit   | Configure link transmit for interface |
| reset-skip | Configure link transmit for interface |

## Command Mode

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

# lisp

```
{ lisp-lig | lig } { version | self | self6 | <hostname> | { <eid> | <eid6> } } [ source { <seid> | <seid6> } ] [ to
{ <mr-hostname> | { <mr> | <mr6> } } ] [ count <count> ] [ probe ] [ vrf { <vrf-name> | <vrf-known-name>
} ]
```

## Syntax Description

|                             |   |
|-----------------------------|---|
| <code>lisp-lig</code>       | LISP Internet Groper  |
| <code>lig</code>            | LISP Internet Groper  |
| <code>eid</code>            | LIG on a IPv4 Endpoint ID (EID)                             |
| <code>version</code>        | Display Internet Draft version lig supports                 |
| <code>self</code>           | Test if IPv4 EID-prefix registered in mapping database      |
| <code>self6</code>          | Test if IPv6 EID-prefix registered in mapping database      |
| <code>hostname</code>       | DNS name for Endpoint ID (EID)                              |
| <code>source</code>         | (Optional) Provide source EID for Map-Request               |
| <code>seid</code>           | (Optional) Source IPv4 Endpoint ID (EID)                    |
| <code>to</code>             | (Optional) Where to send the Map-Request                    |
| <code>mr-hostname</code>    | (Optional) DNS name for Map-Resolver                        |
| <code>mr</code>             | (Optional) Map-Resolver IPv4 address to send Map-Request to |
| <code>count</code>          | (Optional) Map-Requests to send before Map-Reply returned   |
| <code>count</code>          | (Optional) Number of Map-Requests                           |
| <code>probe</code>          | (Optional) RLOC-probe each locator                          |
| <code>vrf</code>            | (Optional) LIGing for specific VRF                          |
| <code>vrf-name</code>       | (Optional) VRF name   |
| <code>vrf-known-name</code> | (Optional) Known VRF name                                   |

## Command Mode

- /exec

# lisp ddt

{ [ no ] lisp ddt }

## Syntax Description

|      |  |
|------|--|
| no   | (Optional) Negate a command or set its defaults    |
| lisp | LISP global configuration commands                 |
| ddt  | Configures a LISP-DDT mapping system functionality |

## Command Mode

- /exec/configure /exec/configure/vrf

## lisp ddt authoritative-prefix eid-prefix

```
{ [ no ] lisp ddt authoritative-prefix eid-prefix { <eid-prefix> | <eid-prefix6> } } | { [ no ] lisp ddt
authoritative-prefix instance-id <iid> [ eid-prefix { <eid-prefix> | <eid-prefix6> } ] } | { [ no ] lisp ddt
authoritative-prefix <star> } | { [ no ] lisp ddt authoritative-prefix instance-id { <iidp> | <range> } }
```

### Syntax Description

|                      |  |
|----------------------|--|
| no                   | (Optional) Negate a command or set its defaults              |
| lisp                 | LISP global configuration commands                           |
| ddt                  | Configure LISP-DDT parameters                                |
| authoritative-prefix | Configure EID-prefix this LISP-DDT node is authoritative for |
| instance-id          | Instance ID of VPN for EID-prefix                            |
| <i>iid</i>           | Instance-ID value  |
| star                 | Authoritative prefix on root for all address space           |
| <i>iidp</i>          | Instance-ID in prefix format                                 |
| <i>range</i>         | Instance-ID range in 'x-y' format where y > x                |
| eid-prefix           | Authoritative IPv4 or IPv6 EID-prefix                        |
| <i>eid-prefix</i>    | EID-prefix in IPv4 slash format                              |

### Command Mode

- /exec/configure /exec/configure/vrf

## lisp ddt delegate eid-prefix

```
{ [ no ] lisp ddt delegate { <node> | <node6> } { eid-prefix { <eid-prefix> | <eid-prefix6> } } [ priority <priority> weight <weight> ] [ public-key <key> ] [ map-server ] } | { [ no ] lisp ddt delegate { <node> | <node6> } instance-id <iid> [ eid-prefix { <eid-prefix> | <eid-prefix6> } } [ priority <priority> weight <weight> ] [ public-key <key> ] [ map-server ] } | { [ no ] lisp ddt delegate { <node> | <node6> } instance-id { <iidp> | <range> } [ priority <priority> weight <weight> ] [ public-key <key> ] [ map-server ] }
```

### Syntax Description

|                   |  |
|-------------------|--|
| no                | (Optional) Negate a command or set its defaults    |
| lisp              | LISP global configuration commands                 |
| ddt               | Configure LISP-DDT parameters                      |
| delegate          | Configure LISP-DDT child in delegation hierarchy   |
| <i>node</i>       | IPv4 locator address of DDT node                   |
| instance-id       | Instance ID of VPN for EID-prefix                  |
| <i>iid</i>        | Instance-ID value                                  |
| <i>iidp</i>       | Instance-ID in prefix format                       |
| <i>range</i>      | Instance-ID range in 'x-y' format where y > x      |
| eid-prefix        | Child delegation for IPv4 or IPv6 EID-prefix       |
| <i>eid-prefix</i> | EID-prefix in IPv4 slash format                    |
| priority          | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED          |
| <i>priority</i>   | (Optional) Lower priority Locator takes preference |
| weight            | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED          |
| <i>weight</i>     | (Optional) Specified in a percentage from 0 to 100 |
| map-server        | (Optional) Child delegate is a Map-Server          |
| public-key        | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED          |
| <i>key</i>        | (Optional) RSA public-key                          |

### Command Mode

- /exec/configure /exec/configure/vrf

## lisp ddt map-server-peer eid-prefix

```
{ [ no ] lisp ddt map-server-peer { <node> | <node6> } { eid-prefix { <eid-prefix> | <eid-prefix6> } } [ priority <priority> weight <weight> ] [ public-key <key> ] } | { [ no ] lisp ddt map-server-peer { <node> | <node6> } instance-id <iid> [ eid-prefix { <eid-prefix> | <eid-prefix6> } ] [ priority <priority> weight <weight> ] [ public-key <key> ] } | { [ no ] lisp ddt map-server-peer { <node> | <node6> } instance-id { <iidp> | <range> } [ priority <priority> weight <weight> ] [ public-key <key> ] }
```

### Syntax Description

|                   |  |
|-------------------|--|
| no                | (Optional) Negate a command or set its defaults    |
| lisp              | LISP global configuration commands                 |
| ddt               | Configure LISP-DDT parameters                      |
| map-server-peer   | Configure other map-server peers                   |
| <i>node</i>       | IPv4 locator address of DDT node                   |
| instance-id       | Instance ID of VPN for EID-prefix                  |
| <i>iid</i>        | Instance-ID value                                  |
| <i>iidp</i>       | Instance-ID in prefix format                       |
| <i>range</i>      | Instance-ID range in 'x-y' format where y > x      |
| eid-prefix        | Child delegation for IPv4 or IPv6 EID-prefix       |
| <i>eid-prefix</i> | EID-prefix in IPv4 slash format                    |
| priority          | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED          |
| <i>priority</i>   | (Optional) Lower priority Locator takes preference |
| weight            | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED          |
| <i>weight</i>     | (Optional) Specified in a percentage from 0 to 100 |
| public-key        | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED          |
| <i>key</i>        | (Optional) RSA public-key                          |

### Command Mode

- /exec/configure /exec/configure/vrf

# lisp ddt root

[no] lisp ddt root { <root> | <root6> } [ public-key <key> ]

## Syntax Description

|             |  |
|-------------|--|
| no          | (Optional) Negate a command or set its defaults                      |
| lisp        | LISP global configuration commands                                   |
| ddt         | Configure LISP-DDT parameters  |
| root        | Configure LISP-DDT root of tree in Map-Resolver                      |
| <i>root</i> | IPv4 locator address of DDT root                                     |
| public-key  | (Optional) DDT root's public key used to verify signed Map-Referrals |
| <i>key</i>  | (Optional) RSA public-key  |

## Command Mode

- /exec/configure /exec/configure/vrf

# lisp dynamic-eid

```
{ [ no ] lisp dynamic-eid <dyn-eid-name> }
```

## Syntax Description

|                     |   |
|---------------------|---|
| no                  | (Optional) Negate a command or set its defaults |
| lisp                | LISP global configuration commands              |
| dynamic-eid         | Configure dynamic-EIDs for roaming              |
| <i>dyn-eid-name</i> | Name your dynamic-EID                           |

## Command Mode

- /exec/configure



# lisp dynamic-eid

```
{ [ no ] lisp dynamic-eid <dyn-eid-name> }
```

## Syntax Description

|                     |   |
|---------------------|---|
| no                  | (Optional) Negate a command or set its defaults |
| lisp                | LISP global configuration commands              |
| dynamic-eid         | Configure dynamic-EIDs for roaming              |
| <i>dyn-eid-name</i> | Name your dynamic-EID                           |

## Command Mode

- /exec/configure/vrf

# lisp explicit-locator-path

[no] lisp explicit-locator-path <elp-name>

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | (Optional) Negate a command or set its defaults |
| lisp                  | LISP global configuration commands              |
| explicit-locator-path | Configures a LISP Explicit Locator Path (ELP)   |
| <i>elp-name</i>       | Name of LISP ELP                                |

## Command Mode

- /exec/configure/vrf

# lisp explicit-locator-path

```
{ [ no ] lisp explicit-locator-path <elp-name> }
```

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | (Optional) Negate a command or set its defaults |
| lisp                  | LISP global configuration commands              |
| explicit-locator-path | Configures a LISP Explicit Locator Path (ELP)   |
| <i>elp-name</i>       | Name of LISP ELP                                |

## Command Mode

- /exec/configure

## lisp extended-subnet-mode

{ [ no ] lisp extended-subnet-mode }

### Syntax Description

|                      |  |
|----------------------|--|
| no                   | (Optional) Negate a command or set its defaults                |
| lisp                 | LISP interface configuration commands                          |
| extended-subnet-mode | Create dynamic-EID state when EIDs reside on their home subnet |

### Command Mode

- /exec/configure/if-igp

# lisp geo-coordinates

[no] lisp geo-coordinates <latitude> <longitude> [ <altitude> ]

## Syntax Description

|                  |  |
|------------------|--|
| no               | (Optional) Negate a command or set its defaults                          |
| lisp             | LISP global configuration commands                                       |
| geo-coordinates  | Configure Geo Coordinates for this router                                |
| <i>latitude</i>  | Latitude in DMS format: 'degree-min-sec-N' or 'degree-min-sec-S'         |
| <i>longitude</i> | Longitude in DMS format: 'degree-min-sec-E' or 'degree-min-sec-W' format |
| <i>altitude</i>  | (Optional) Altitude in meters above sea-level                            |

## Command Mode

- /exec/configure /exec/configure/vrf

# lisp instance-id

[no] lisp instance-id <iid>

## Syntax Description

|             |   |
|-------------|---|
| no          | (Optional) Negate a command or set its defaults |
| lisp        | LISP global configuration commands              |
| instance-id | Configures Instance-ID for global data-mappings |
| <i>iid</i>  | 24-bit instance-ID value                        |

## Command Mode

- /exec/configure /exec/configure/vrf

# lisp loc-reach-algorithm

```
[no] lisp loc-reach-algorithm { count-tcp | echo-nonce | { rloc-probing [ map-request-on-failure ] } }
```

## Syntax Description

|                        |   |
|------------------------|---|
| no                     | (Optional) Negate a command or set its defaults               |
| lisp                   | LISP global configuration commands                            |
| loc-reach-algorithm    | Configure locator reachability algorithm                      |
| count-tcp              | Count TCP SYNs and ACKs                                       |
| echo-nonce             | Request for nonce to echo back in data-plane                  |
| rloc-probing           | Probe each high-priority RLOC with Map-Request as last resort |
| map-request-on-failure | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED                     |

## Command Mode

- /exec/configure /exec/configure/vrf

# lisp merge-registrations site-id

[no] lisp merge-registrations site-id <site-id>

## Syntax Description

|                     |   |
|---------------------|---|
| no                  | (Optional) Negate a command or set its defaults   |
| lisp                | LISP global configuration commands                |
| merge-registrations | ETRs merge registrations from Map-Notify messages |
| site-id             | Configure site-id value for each xTR at site      |
| <i>site-id</i>      | Site-ID to group xTRs together                    |

## Command Mode

- /exec/configure /exec/configure/vrf



# lisp mobility

[no] lisp mobility <dyn-eid-name>

## Syntax Description

|                     |   |
|---------------------|---|
| no                  | (Optional) Negate a command or set its defaults |
| lisp                | LISP interface configuration commands           |
| mobility            | Configures to allow EID mobility on interface   |
| <i>dyn-eid-name</i> | Name of the dynamic-EID to use                  |

## Command Mode

- /exec/configure/if-igp

# lisp mobility test-liveness

[no] lisp mobility test-liveness

## Syntax Description

|               |   |
|---------------|---|
| no            | (Optional) Negate a command or set its defaults   |
| lisp          | LISP interface configuration commands   |
| mobility      | Configures to allow EID mobility on interface   |
| test-liveness | Ping discovered dyn-eid hosts on this interface periodically to determine host liveness |

## Command Mode

- /exec/configure/if-igp

# lisp security

[no] lisp security [ strong ]

## Syntax Description

|          |  |
|----------|--|
| no       | (Optional) Negate a command or set its defaults                    |
| lisp     | LISP global configuration commands                                 |
| security | Configure LISP-SEC on ITR or PITR                                  |
| strong   | (Optional) Reject Map-Replies without LISP-SEC signatures included |

## Command Mode

- /exec/configure /exec/configure/vrf

# lisp site

```
{ [ no ] lisp site <site-name> }
```

## Syntax Description

|                  |   |
|------------------|---|
| no               | (Optional) Negate a command or set its defaults |
| lisp             | LISP global configuration commands              |
| site             | Configures LISP sites in a map-server           |
| <i>site-name</i> | Name your LISP site                             |

## Command Mode

- /exec/configure/vrf

# lisp site

```
{ [ no ] lisp site <site-name> }
```

## Syntax Description

|                  |   |
|------------------|---|
| no               | (Optional) Negate a command or set its defaults |
| lisp             | LISP global configuration commands              |
| site             | Configures LISP sites in a map-server           |
| <i>site-name</i> | Name your LISP site                             |

## Command Mode

- /exec/configure

# lisp smr-locators

[no] lisp smr-locators

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults          |
| lisp         | LISP global configuration commands                       |
| smr-locators | Send SMR to all RLOCs in locator-set for map-cache entry |

## Command Mode

- /exec/configure

# lisp to

```
{ lisp-rig | rig } [ instance-id <iid> ] { <hostname> | { <eid> | <eid6> } } to { <ddt-hostname> | { <ddt> | <ddt6> } }
```

## Syntax Description

|                           |  |
|---------------------------|--|
| <code>lisp-rig</code>     | LISP-DDT Referral Internet Groper            |
| <code>rig</code>          | LISP-DDT Referral Internet Groper            |
| <code>instance-id</code>  | (Optional) Instance-ID of VPN EID resides in |
| <code>iid</code>          | (Optional) 24-bit instance-ID value          |
| <code>eid</code>          | RIG on a IPv4 Endpoint ID (EID)              |
| <code>hostname</code>     | DNS name for Endpoint ID (EID)               |
| <code>to</code>           | Where to send the Map-Request                |
| <code>ddt-hostname</code> | DNS name for DDT-node                        |
| <code>ddt</code>          | DDT-node IPv4 address to send Map-Request to |

## Command Mode

- /exec

# listobject-boolean not

listobject-boolean <obj-id> not

## Syntax Description

|                    |   |
|--------------------|---|
| listobject-boolean | Configure Object as member of tracking list |
| <i>obj-id</i>      | Tracked object                              |
| not                | Negate Up status                            |

## Command Mode

- /exec/configure/tr-list-bool



# listobject-weight weight threshold-weight

```
listobject-weight { <obj-id> weight <weight-val> } | threshold-weight { weight-thresh { weightup <up-weight>
[ weightdown <down-weight> ] | weightdown <down-weight> [ weightup <up-weight> ] } } | no
threshold-weight weight-thresh
```

## Syntax Description

|                    |   |
|--------------------|---|
| no                 | Negate a command or set its defaults        |
| listobject-weight  | Configure Object as member of tracking list |
| <i>obj-id</i>      | Tracked Object                              |
| weight             | Assign a weight to object                   |
| <i>weight-val</i>  | Assign a weight to object                   |
| threshold-weight   | Threshold parameters                        |
| weight-thresh      | Weight threshold                            |
| weightup           | Up threshold                                |
| <i>up-weight</i>   | Up threshold weight                         |
| weightdown         | (Optional) Down threshold                   |
| <i>down-weight</i> | (Optional) Down threshold weight            |

## Command Mode

- /exec/configure/tr-list-thrw

# listobject

[no] listobject <obj-id>

## Syntax Description

|               |   |
|---------------|---|
| no            | (Optional) Negate a command or set its defaults |
| listobject    | Configure Object as member of tracking list     |
| <i>obj-id</i> | Tracked Object                                  |

## Command Mode

- /exec/configure/tr-list-thrw /exec/configure/tr-list-thrp /exec/configure/tr-list-bool

# liveness-detection

[no] liveness-detection

## Syntax Description

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

## Command Mode

- /exec/configure/sr/te

# liveness-detection

[no] liveness-detection

## Syntax Description

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

## Command Mode

- /exec/configure/sr/te/color

# liveness-detection

[no] liveness-detection

## Syntax Description

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

## Command Mode

- /exec/configure/sr/te/pol

# lldp

```
[no] lldp { holdtime <i0> | reinit <i1> | timer <i2> | portid-subtype <i3> | tlv-select { management-address |
port-description | port-vlan | power-management | system-capabilities | system-description | system-name |
dcbxp | four-wire-power-management | port { max-framesize | vlan-name | link-aggregation } } | port-channel
| multi-neighbor | chassis-id switch }
```

## Syntax Description

|                            |   |
|----------------------------|---|
| no                         | (Optional) Negate a command or set its defaults           |
| lldp                       | Configure global LLDP parameters                          |
| holdtime                   | Specify the holdtime (in sec) to be sent in packets       |
| <i>i0</i>                  | holdtime in sec   |
| reinit                     | Delay (in sec) for LLDP initialisation on any interface   |
| <i>i1</i>                  | reinit in sec   |
| timer                      | Specify the rate at which LLDP packets are sent (in sec)  |
| <i>i2</i>                  | rate of packets in sec                                    |
| portid-subtype             | config portid subtype for LLDP TLV and SNMP MIBs          |
| <i>i3</i>                  | 0: long interface name (default), 1: short interface name |
| tlv-select                 | Selection of LLDP to send                                 |
| management-address         | Management Address TLV                                    |
| port-description           | Port Description TLV                                      |
| port-vlan                  | Port Vlan ID TLV  |
| power-management           | IEEE 802.3 DTE Power via MDI TLV                          |
| system-capabilities        | System Capabilities TLV                                   |
| system-description         | System Description TLV                                    |
| system-name                | System Name TLV   |
| dcbxp                      | DCBXP TLVs  |
| four-wire-power-management | Cisco 4-wire Power via MDI TLV                            |
| port                       | Organization specific port TLVs                           |
| max-framesize              | Port Maximum Frame Size TLV                               |
| vlan-name                  | Port Vlan Name TLV  |

|                  |   |
|------------------|---|
| link-aggregation | Port Link Aggregation TLV                           |
| port-channel     | Enable LLDP on Port-channel                         |
| multi-neighbor   | Enable multiple LLDP neighbors per interface        |
| chassis-id       | Device ID to advertise (Default is MAC of the port) |
| switch           | Advertise MAC of the switch                         |

**Command Mode**

- /exec/configure

# lldp dcbx version auto

lldp dcbx version auto

## Syntax Description

|         |                                  |
|---------|----------------------------------|
| lldp    | Configure LLDP parameters        |
| dcbx    | Configure DCBX parameters        |
| version | Change the DCBX protocol version |
| auto    | Auto-detect the DCBX version     |

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether



# lldp dcbx version cee

[no] lldp dcbx version { cee | ieee }

## Syntax Description

|         |   |
|---------|---|
| no      | (Optional) Negate a command or set its defaults |
| lldp    | Configure LLDP parameters                       |
| dcbx    | Configure DCBX parameters                       |
| version | Change the DCBX protocol version                |
| cee     | The CEE version of DCBX                         |
| ieee    | The IEEE 802.1 version of DCBX                  |

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

# lldp receive

[no] lldp receive

## Syntax Description

|         |   |
|---------|---|
| no      | (Optional) Negate a command or set its defaults |
| lldp    | Configure Interface LLDP parameters             |
| receive | Enable LLDP reception on interface              |

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether /exec/configure/if-vethernet /exec/configure/if-veth-any /exec/configure/if-veth-all /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-switch

## lldp tlv-select dcbxp egress

[no] lldp tlv-select dcbxp { egress-queuing }

### Syntax Description

|                |   |
|----------------|---|
| no             | (Optional) Negate a command or set its defaults |
| lldp           | Configure global LLDP parameters                |
| tlv-select     | Selection of LLDP to send                       |
| dcbxp          | DCBXP TLVs                                      |
| egress-queuing | DCBXP TLV egress queuing                        |

### Command Mode

- /exec/configure

## lldp tlv-select management-address v4

[no] lldp tlv-select management-address { v4 | v6 }

### Syntax Description

|                    |   |
|--------------------|---|
| no                 | (Optional) Negate a command or set its defaults |
| lldp               | Configure global LLDP parameters                |
| tlv-select         | Selection of LLDP to send                       |
| management-address | Management Address TLV                          |
| v4                 | Management Address TLV v4                       |
| v6                 | Management Address TLV v6                       |

### Command Mode

- /exec/configure

# lldp tlv-set management-address

[no] lldp tlv-set management-address <ip-addr>

## Syntax Description

|                    |  |
|--------------------|--|
| no                 | (Optional) Negate a command or set its defaults            |
| lldp               | Configure Interface LLDP parameters                        |
| tlv-set            | LLDP TLV configuration for interface                       |
| management-address | Management address to be sent in management-tlv of LLDPDU. |
| <i>ip-addr</i>     | IP address in dotted decimal format i.i.i.i                |

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

## lldp tlv-set management-address ipv6

[no] lldp tlv-set management-address <ipv6-addr> ipv6

### Syntax Description

|                    |  |
|--------------------|--|
| no                 | (Optional) Negate a command or set its defaults            |
| lldp               | Configure Interface LLDP parameters                        |
| tlv-set            | LLDP TLV configuration for interface                       |
| management-address | Management address to be sent in management-tlv of LLDPDU. |
| ipv6               | IPV6   |

### Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

# lldp tlv-set vlan

[no] lldp tlv-set vlan [ <vlan-id> ]

## Syntax Description

|                |  |
|----------------|--|
| no             | (Optional) Negate a command or set its defaults  |
| lldp           | Configure Interface LLDP parameters  |
| tlv-set        | LLDP TLV configuration for interface   |
| vlan           | VLAN-id whose SVI IP address should be used as management address in management-tlv of LLDPDU. Default is native VLAN. |
| <i>vlan-id</i> | (Optional) vlan-id within range of 1-4094  |

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

# lldp transmit

[no] lldp transmit

## Syntax Description

|          |   |
|----------|---|
| no       | (Optional) Negate a command or set its defaults |
| lldp     | Configure Interface LLDP parameters             |
| transmit | Enable LLDP transmission on interface           |

## Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether /exec/configure/if-vethernet /exec/configure/if-veth-any /exec/configure/if-veth-all /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-switch



# load-balance

[no] load-balance { { { method <lb-method> } | { buckets <buckets> } | { mask-position <mpos> } } + }

## Syntax Description

|                  |   |
|------------------|---|
| no               | (Optional) Negate a command or set its defaults                         |
| load-balance     | Loadbalance options for this match                                      |
| method           | Loadbalance method  |
| <i>lb-method</i> | Loadbalance method options  |
| buckets          | Buckets for traffic distribution - this should be in powers of 2        |
| <i>buckets</i>   | Loadbalance bucket count  |
| mask-position    | Loadbalance mask position   |
| <i>mpos</i>      | Loadbalance mask position number range 0-31 for IPv4 and 0-127 for IPv6 |

## Command Mode

- /exec/configure/epbr-policy/action

# load-balance

[no] load-balance { { { method <lb-method> } | { buckets <buckets> } | { mask-position <mpos> } } + }

## Syntax Description

|                  |   |
|------------------|---|
| no               | (Optional) Negate a command or set its defaults                         |
| load-balance     | Loadbalance options for this match                                      |
| method           | Loadbalance method  |
| <i>lb-method</i> | Loadbalance method options  |
| buckets          | Buckets for traffic distribution - this should be in powers of 2        |
| <i>buckets</i>   | Loadbalance bucket count  |
| mask-position    | Loadbalance mask position   |
| <i>mpos</i>      | Loadbalance mask position number range 0-31 for IPv4 and 0-127 for IPv6 |

## Command Mode

- /exec/configure/epbr-sess-policy/action

# load-balance

```
[no] load-balance { { method { src { ip | ip-l4port <src-protocol> range <src-x> <src-y> } | dst { ip-dst |
ip-l4port <dst-protocol> range <dst-x> <dst-y> } } | { buckets <num> } | { mask-position <mask> } | { least-bit
} } + }
```

## Syntax Description

|                     |  |
|---------------------|--|
| no                  | (Optional) Negate a command or set its defaults                                      |
| load-balance        | ITD Loadbalance  |
| method              | ITD Loadbalance method   |
| src                 | Source based parameters  |
| dst                 | Destination based parameters   |
| ip                  | IP   |
| ip-l4port           | IP and L4 port   |
| <i>src-protocol</i> | Protocol   |
| range               | Match only packets in the range of port numbers                                      |
| <i>src-x</i>        |  |
| <i>src-y</i>        |  |
| ip-dst              | IP   |
| <i>dst-protocol</i> | Protocol   |
| <i>dst-x</i>        |  |
| <i>dst-y</i>        |  |
| buckets             | Used to create the buckets for traffic distribution, and it should be in powers of 2 |
| <i>num</i>          | Loadbalance bucket number  |
| mask-position       | Loadbalance mask position  |
| <i>mask</i>         | Loadbalance mask position number range 0-31 for IPv4 and 0-127 for IPv6              |
| least-bit           | Craft load-balancing masks beginning at the least significant bits                   |

## Command Mode

- /exec/configure/itd

## load-balance egress filter-policy route-map

[no] load-balance egress filter-policy route-map <rmap-name>

### Syntax Description

|                  |   |
|------------------|---|
| no               | (Optional) Negate a command or set its defaults                                     |
| load-balance     | Enable load-balance functionality applied to routes in the underlay                 |
| egress           | Enable load-balance functionality during egress to routes in the underlay           |
| filter-policy    | Restricting the egress load-balance logic to specific routes matching the route-map |
| route-map        | Apply route-map to filter the routes  |
| <i>rmap-name</i> | Route-map name  |

### Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6

# load-balance egress multipath auto-policy route-map

[no] load-balance egress multipath auto-policy route-map <rmap-name>

## Syntax Description

|                  |   |
|------------------|---|
| no               | (Optional) Negate a command or set its defaults                                     |
| load-balance     | Enable load-balancing functionality applied to routes in the underlay (default VRF) |
| egress           | Enable load-balance functionality during egress to routes in the underlay           |
| multipath        | Apply multipath rules to specific routes  |
| auto-policy      | Apply auto multipath rules to specific routes                                       |
| route-map        | Apply route-map auto multipath rules to specific routes                             |
| <i>rmap-name</i> | Route-map name  |

## Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6

# load-interval

load-interval <interval> | no load-interval [ <interval1> ]

## Syntax Description

|                  |  |
|------------------|--|
| no               | Negate a command or set its defaults                   |
| load-interval    | Specify interval for load calculation for an interface |
| <i>interval</i>  | Load interval delay in seconds                         |
| <i>interval1</i> | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED              |

## Command Mode

- /exec/configure/if-vlan-common

# load-interval

load-interval <interval> | no load-interval [ <interval1> ]

## Syntax Description

|                  |  |
|------------------|--|
| no               | Negate a command or set its defaults                   |
| load-interval    | Specify interval for load calculation for an interface |
| <i>interval</i>  | Load interval delay in seconds                         |
| <i>intervall</i> | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED              |

## Command Mode

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

## load-interval counter

load-interval counter <counter\_val> <interval> | no load-interval counter <counter\_val> [ <interval1> ]

### Syntax Description

|                    |  |
|--------------------|--|
| no                 | Negate a command or set its defaults                   |
| load-interval      | Specify interval for load calculation for an interface |
| counter            | Specify counter for this load interval                 |
| <i>interval</i>    | Load interval delay in seconds                         |
| <i>counter_val</i> | Specify counter for this load interval                 |
| <i>interval1</i>   | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED              |

### Command Mode

- /exec/configure/if-vlan-common



# load-interval counter

load-interval counter <counter\_val> <interval> | no load-interval counter <counter\_val> [ <interval1> ]

## Syntax Description

|                    |  |
|--------------------|--|
| no                 | Negate a command or set its defaults                   |
| load-interval      | Specify interval for load calculation for an interface |
| counter            | Specify counter for this load interval                 |
| <i>counter_val</i> | Specify counter for this load interval                 |
| <i>interval</i>    | Load interval delay in seconds                         |
| <i>interval1</i>   | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED              |

## Command Mode

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

# load

load <uri0> [ <s0> ]

## Syntax Description

|             |                    |
|-------------|--------------------|
| load        | Load system image  |
| <i>uri0</i> | Enter image URI    |
| <i>s0</i>   | (Optional) Options |

## Command Mode

- /exec

# load

load <uri0>

## Syntax Description

|             |                   |
|-------------|-------------------|
| load        | Load system image |
| <i>uri0</i> | Enter image URI   |

## Command Mode

- /exec

# load

load <uri0> [ <s0> ]

## Syntax Description

|             |                    |
|-------------|--------------------|
| load        | Load system image  |
| <i>uri0</i> | Enter image URI    |
| <i>s0</i>   | (Optional) Options |

## Command Mode

- /exec

# load configuration failed commit

load configuration failed commit

## Syntax Description

|               |                                       |
|---------------|---------------------------------------|
| load          | Load the configuration                |
| configuration | Contents of configuration             |
| failed        | Load failed configuration             |
| commit        | Failed configuration from last commit |

## Command Mode

- /exec/configure

# local-as

```
{ local-as <asn> [ no-prepend [ replace-as [ dual-as ] ] ] } | { { no | default } local-as [ <asn> ] }
```

## Syntax Description

|            |   |
|------------|---|
| no         | Negate a command or set its defaults  |
| default    | Inherit values from a peer template   |
| local-as   | Specify the local-as number for the eBGP neighbor                               |
| <i>asn</i> | Autonomous System Number  |
| no-prepend | (Optional) Do not prepend the local-as number to updates from the eBGP neighbor |
| replace-as | (Optional) Prepend only the local-as number to updates to eBGP neighbor         |
| dual-as    | (Optional) Connect using either the local-as number or the real as              |

## Command Mode

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

# local-as

local-as <asn> | no local-as [ <asn> ]

## Syntax Description

|            |                                      |
|------------|--------------------------------------|
| no         | Negate a command or set its defaults |
| local-as   | Specify the local-as for this vrf    |
| <i>asn</i> | AS number                            |

## Command Mode

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

## local-label prefix

```
[no] { [ vrf { <vrf-name> | <vrf-known-name> } ] local-label <static-inlabel> prefix { <prefix> <mask> | <prefix-mask> } }
```

### Syntax Description

|                          |   |
|--------------------------|---|
| <code>no</code>          | (Optional) Negate a command or set its defaults |
| <code>vrf</code>         | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED       |
| <i>vrf-name</i>          | (Optional) VRF name                             |
| <i>vrf-known-name</i>    | (Optional) Known VRF name                       |
| <code>local-label</code> | Configure local label assignment and forwarding |
| <i>static-inlabel</i>    | Label Value                                     |
| <code>prefix</code>      | For a given prefix                              |
| <i>prefix</i>            | Destination prefix                              |
| <i>mask</i>              | Destination prefix mask                         |
| <i>prefix-mask</i>       | Destination prefix/mask                         |

### Command Mode

- /exec/configure/mpls\_static/ipv4



# local-label prefix

```
[no] { [ vrf { <vrf-name> | <vrf-known-name> } ] local-label <static-inlabel> prefix { <ipv6-prefix-mask> } }
```

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | (Optional) Negate a command or set its defaults |
| vrf                   | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED       |
| <i>vrf-name</i>       | (Optional) VRF name                             |
| <i>vrf-known-name</i> | (Optional) Known VRF name                       |
| local-label           | Configure local label assignment and forwarding |
| <i>static-inlabel</i> | Label Value                                     |
| prefix                | For a given prefix                              |

## Command Mode

- /exec/configure/mpls\_static/ipv6

# locator-led

[no] locator-led { chassis | module <module> | fan <fan\_num> | powersupply <psnum> }

## Syntax Description

|                |   |
|----------------|---|
| no             | (Optional) Negate a command or set its defaults |
| locator-led    | blink locator led on device                     |
| chassis        | blink chassis led                               |
| module         | blink module led                                |
| <i>module</i>  | please enter the module number                  |
| fan            | blink Fan led                                   |
| <i>fan_num</i> | fan number                                      |
| powersupply    | blink powersupply led                           |
| <i>psnum</i>   | powersupply number                              |

## Command Mode

- /exec

# locator

[no] locator <locator-name>

## Syntax Description

|                     |  |
|---------------------|--|
| no                  | (Optional) Negate a command or set its defaults          |
| locator             | Configure Traffic Engineering Segment Routing V6 locator |
| <i>locator-name</i> | Configure locator name                                   |

## Command Mode

- /exec/configure/sr/te/sr/srv6/locs

# locator

[no] locator <name>

## Syntax Description

|             |   |
|-------------|---|
| no          | (Optional) Negate a command or set its defaults |
| locator     | Configure an SRv6 locator for this node         |
| <i>name</i> | Name for the locator                            |

## Command Mode

- /exec/configure/sr/srv6/locators

# locator

[no] locator <locator-name>

## Syntax Description

|                     |   |
|---------------------|---|
| no                  | (Optional) Negate a command or set its defaults |
| locator             | Configure SRv6 locator name                     |
| <i>locator-name</i> | Locator name to advertise                       |

## Command Mode

- /exec/configure/router-isis/router-isis-af-ipv6/srv6

# locator

[no] locator <locator-name>

## Syntax Description

|                     |   |
|---------------------|---|
| no                  | (Optional) Negate a command or set its defaults |
| locator             | Specify the locator                             |
| <i>locator-name</i> | Locator name                                    |

## Command Mode

- /exec/configure/router-bgp/router-bgp-srv6

# locators

[no] locators

## Syntax Description

|          |   |
|----------|---|
| no       | (Optional) Negate a command or set its defaults |
| locators | Base to configure SRv6 locators                 |

## Command Mode

- /exec/configure/sr/srv6

# locators

[no] locators

## Syntax Description

|          |   |
|----------|---|
| no       | (Optional) Negate a command or set its defaults                         |
| locators | Configure Traffic Engineering Segment Routing V6 locator configurations |

## Command Mode

- /exec/configure/sr/te/sr/srv6



# lockdown

[no] lockdown

## Syntax Description

|          |   |
|----------|---|
| no       | (Optional) Negate a command or set its defaults                 |
| lockdown | Disable re-optimization of the path preferences for this policy |

## Command Mode

- /exec/configure/sr/te/pol

# lockdown

[no] lockdown

## Syntax Description

|          |  |
|----------|--|
| no       | (Optional) Negate a command or set its defaults  |
| lockdown | Disable re-optimization of the path preferences for policies using this color template |

## Command Mode

- /exec/configure/sr/te/color

# log-adjacency-changes

[no] log-adjacency-changes

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | (Optional) Negate a command or set its defaults |
| log-adjacency-changes | Log changes in adjacency state                  |

## Command Mode

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

# log-adjacency-changes

[no] log-adjacency-changes

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | (Optional) Negate a command or set its defaults |
| log-adjacency-changes | Log changes in adjacency state                  |

## Command Mode

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

# log-adjacency-changes

[no] log-adjacency-changes [ detail ]

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | (Optional) Negate a command or set its defaults |
| log-adjacency-changes | Log changes in adjacency state                  |
| detail                | (Optional) Notify all state changes             |

## Command Mode

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

# log-adjacency-changes

[no] log-adjacency-changes [ detail ]

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | (Optional) Negate a command or set its defaults |
| log-adjacency-changes | Log changes in adjacency state                  |
| detail                | (Optional) Notify all state changes             |

## Command Mode

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

# log-adjacency-changes

[no] log-adjacency-changes

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | (Optional) Negate a command or set its defaults |
| log-adjacency-changes | Log changes in adjacency state                  |

## Command Mode

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

# log-neighbor-changes

[no] log-neighbor-changes

## Syntax Description

|                      |   |
|----------------------|---|
| no                   | (Optional) Negate a command or set its defaults |
| log-neighbor-changes | Log a message for neighbor up/down event        |

## Command Mode

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



# log-neighbor-changes

[ no | default ] log-neighbor-changes [ disable ]

## Syntax Description

|                      |  |
|----------------------|--|
| no                   | (Optional) Negate a command or set its defaults      |
| default              | (Optional) Inherit values from a peer template       |
| log-neighbor-changes | Log message for neighbor up/down event               |
| disable              | (Optional) Disable logging of neighbor up/down event |

## Command Mode

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

# log-neighbor-warnings

```
{ { [ eigrp ] log-neighbor-warnings [ <interval> ] } | { no [ eigrp ] log-neighbor-warnings [ <interval> ] } }
```

## Syntax Description

|                       |   |
|-----------------------|---|
| no                    | Negate a command or set its defaults            |
| eigrp                 | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED       |
| log-neighbor-warnings | Enable/Disable IP-EIGRP neighbor warnings       |
| <i>interval</i>       | (Optional) Neighbor warning interval in seconds |

## Command Mode

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

# logging

[no] logging { neighbor-changes |

## Syntax Description

|                  |   |
|------------------|---|
| no               | (Optional) Negate a command or set its defaults |
| logging          | Enable LDP logging                              |
| neighbor-changes | Log LDP neighbor state changes                  |

## Command Mode

- /exec/configure/ldp

# logging abort

logging abort

## Syntax Description

|         |  |
|---------|--|
| logging | Modify message logging facilities                            |
| abort   | Flushes cached data without committing and releases the lock |

## Command Mode

- /exec/configure

# logging console

[no] logging console [ <i0> ]

## Syntax Description

|           |   |
|-----------|---|
| no        | (Optional) Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                                       |
| console   | Set console logging   |
| <i>i0</i> | (Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging distribute

[no] logging distribute

## Syntax Description

|            |   |
|------------|---|
| no         | (Optional) Negate a command or set its defaults |
| logging    | Modify message logging facilities               |
| distribute | Enables/disables fabric distribution using cfs. |

## Command Mode

- /exec/configure

# logging drop threshold

[no] logging drop { threshold-packets <threshold-in-packets> | threshold-bytes <threshold-in-bytes> } [ level <level-value> ]

## Syntax Description

|                    |  |
|--------------------|--|
| no                 | Negate a command or set its defaults             |
| logging            | set logging for copp class                       |
| drop               | logging for copp drops                           |
| threshold-packets  | threshold value for dropped packets              |
| threshold-bytes    | threshold value for dropped bytes                |
| level              | (Optional) syslog level                          |
| <i>level-value</i> | (Optional) specify the logging level between 1-7 |

## Command Mode

- /exec/configure/pmap/class

# logging drop threshold

```
logging drop { threshold-packets <threshold-in-packets> | threshold-bytes <threshold-in-bytes> } [ level <level-value> ]
```

## Syntax Description

|                    |  |
|--------------------|--|
| logging            | set logging for copp class                       |
| drop               | logging for copp drops                           |
| threshold-packets  | threshold value for dropped packets              |
| threshold-bytes    | threshold value for dropped bytes                |
| level              | (Optional) syslog level                          |
| <i>level-value</i> | (Optional) specify the logging level between 1-7 |

## Command Mode

- /exec/configure/pmap/class



# logging event link enable

[no] logging event { link-status | trunk-status } { enable | default }

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults                            |
| logging      | Configure logging for interface  |
| event        | Interface events   |
| link-status  | UPDOWN and CHANGE messages   |
| trunk-status | TRUNK status messages  |
| enable       | To enable logging overriding port level configuration                      |
| default      | default logging configuration used by interfaces not explicitly configured |

## Command Mode

- /exec/configure

# logging event port link-status

logging event port link-status [ default ] | no logging event port link-status

## Syntax Description

|             |   |
|-------------|---|
| no          | Negate a command or set its defaults    |
| logging     | Configure logging for interface         |
| event       | Interface events                        |
| port        | Port level events                       |
| link-status | UPDOWN and CHANGE messages              |
| default     | (Optional) Use the global default value |

## Command Mode

- /exec/configure/if-loopback

# logging event port link-status

logging event port link-status

## Syntax Description

|             |                                 |
|-------------|---------------------------------|
| logging     | Configure logging for interface |
| event       | Interface events                |
| port        | Port level events               |
| link-status | UPDOWN and CHANGE messages      |

## Command Mode

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

# logging event port link-status

[no] logging event port link-status

## Syntax Description

|             |                                      |
|-------------|--------------------------------------|
| no          | Negate a command or set its defaults |
| logging     | Configure logging for interface      |
| event       | Interface events                     |
| port        | Port level events                    |
| link-status | UPDOWN and CHANGE messages           |

## Command Mode

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

# logging event port link-status default

logging event port link-status default

## Syntax Description

|             |                                 |
|-------------|---------------------------------|
| logging     | Configure logging for interface |
| event       | Interface events                |
| port        | Port level events               |
| link-status | UPDOWN and CHANGE messages      |
| default     | Use the global default value    |

## Command Mode

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

# logging event port trunk-status

[no] logging event port trunk-status

## Syntax Description

|              |                                      |
|--------------|--------------------------------------|
| no           | Negate a command or set its defaults |
| logging      | Configure logging for interface      |
| event        | Interface events                     |
| port         | Port level events                    |
| trunk-status | TRUNK status messages                |

## Command Mode

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

# logging event port trunk-status

logging event port trunk-status

## Syntax Description

|              |                                 |
|--------------|---------------------------------|
| logging      | Configure logging for interface |
| event        | Interface events                |
| port         | Port level events               |
| trunk-status | TRUNK status messages           |

## Command Mode

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

## logging event port trunk-status default

logging event port trunk-status default

### Syntax Description

|              |                                 |
|--------------|---------------------------------|
| logging      | Configure logging for interface |
| event        | Interface events                |
| port         | Port level events               |
| trunk-status | TRUNK status messages           |
| default      | Use the global default value    |

### Command Mode

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



# logging history

{ logging history { <i0> | size <i1> } | no logging history [ size ] }

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| history   | Modifies severity level or size for history table            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| size      | Modifies history table size                                  |
| <i>i1</i> | Enter history table size                                     |

## Command Mode

- /exec/configure

# logging level

[no] logging level { xml server | xmlma } <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| xml       | xml agent  |
| server    | xml agent server   |
| xmlma     | xml master agent. Same as combination of keywords xml server |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level

[no] logging level { { routing ipv6 multicast } | m6rib } <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| routing      | Configure routing information                                |
| ipv6         | Display IPv6 information                                     |
| multicast    | Set syslog filter level for M6RIB                            |
| m6rib        | Set syslog filter level for M6RIB                            |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level

```
{ logging level { auth <i1> | authpriv <i2> | cron <i3> | daemon <i4> | ftp <i5> | kernel <i6> | local0 <i7> |
local1 <i8> | local2 <i9> | local3 <i10> | local4 <i11> | local5 <i12> | local6 <i13> | local7 <i14> | lpr <i15>
| mail <i16> | news <i17> | syslog <i18> | user <i19> | uucp <i20> } | no logging level { auth [ <i1> ] | authpriv
[ <i2> ] | cron [ <i3> ] | daemon [ <i4> ] | ftp [ <i5> ] | kernel [ <i6> ] | local0 [ <i7> ] | local1 [ <i8> ] | local2
[ <i9> ] | local3 [ <i10> ] | local4 [ <i11> ] | local5 [ <i12> ] | local6 [ <i13> ] | local7 [ <i14> ] | lpr [ <i15>
] | mail [ <i16> ] | news [ <i17> ] | syslog [ <i18> ] | user [ <i19> ] | uucp [ <i20> ] } }
```

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| auth      | Set level for Authorization System                           |
| <i>i1</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| authpriv  | Set level for Authorization (Private) system                 |
| <i>i2</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| cron      | Set level for Cron/at facility                               |
| <i>i3</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| daemon    | Set level for System daemons                                 |
| <i>i4</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| ftp       | Set level for File Transfer System                           |
| <i>i5</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| kernel    | Set level for kernel   |
| <i>i6</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| local0    | Set level for Local use daemons                              |
| <i>i7</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| local1    | Set level for Local use daemons                              |
| <i>i8</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| local2    | Set level for Local use daemons                              |
| <i>i9</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| local3    | Set level for Local use daemons                              |

|            |  |
|------------|--|
| <i>i10</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| local4     | Set level for Local use daemons                              |
| <i>i11</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| local5     | Set level for Local use daemons                              |
| <i>i12</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| local6     | Set level for Local use daemons                              |
| <i>i13</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| local7     | Set level for Local use daemons                              |
| <i>i14</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| lpr        | Set level for Line Printer System                            |
| <i>i15</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| mail       | Set level for Mail system                                    |
| <i>i16</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| news       | Set level for USENET news                                    |
| <i>i17</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| syslog     | Set level for Internal Syslog Messages                       |
| <i>i18</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| user       | Set level for User Process                                   |
| <i>i19</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| uucp       | Set level for Unix-to-Unix copy system                       |
| <i>i20</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

### Command Mode

- /exec/configure

# logging level

[no] logging level { { routing [ ip | ipv4 ] multicast } | mrib } <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| routing      | Configure routing information                                |
| ip           | (Optional) Configure IP features                             |
| ipv4         | (Optional) Configure IP features                             |
| multicast    | Set syslog filter level for MRIB                             |
| mrib         | Set syslog filter level for MRIB                             |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level aaa

logging level aaa <i0> | no logging level aaa [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| aaa       | Set level for aaa syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level acl

[no] logging level acl <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| acl       | Set syslog filter level for acl manager                      |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level aclmgr

[no] logging level aclmgr <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| aclmgr    | Set level for aclmgr syslog messages                         |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level adbm

[no] logging level adbm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| adbm      | Set level for adbm syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level adjmgr

[no] logging level adjmgr <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| adjmgr       | Set syslog filter level for Adjacency Manager                |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level all

{ logging level { all <i0> } | no logging level { all [ <i0> ] } }

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| all       | Set level for all facilities                                 |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level amt

[no] logging level amt <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| amt          | Set syslog filter level for AMT                              |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level app-hosting

[no] logging level app-hosting <i0>

## Syntax Description

|             |  |
|-------------|--|
| no          | (Optional) Negate a command or set its defaults              |
| logging     | Modify message logging facilities                            |
| level       | Facility parameter for syslog messages                       |
| app-hosting | Set level for app-hosting syslog messages                    |
| <i>i0</i>   | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level arp

{ logging level arp <level> } | { no logging level arp [ <level> ] }

## Syntax Description

|              |  |
|--------------|--|
| no           | Negate a command or set its defaults                         |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| arp          | Set syslog filter level for ARP                              |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

## logging level ascii-cfg

[no] logging level ascii-cfg <i0>

### Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ascii-cfg | Set logging level for ascii-cfg                              |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

### Command Mode

- /exec/configure



# logging level assoc\_mgr

[no] logging level assoc\_mgr <i0> | no logging level assoc\_mgr [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its default               |
| logging   | Show logging configuration and contents of logfile           |
| level     | Show facility logging configuration                          |
| assoc_mgr | Show Association Manager Logging Configuration               |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level backup

[no] logging level { backup | flexlink } <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| backup    | Set level for Switchport Backup syslog messages              |
| flexlink  | Set level for Switchport Backup syslog messages              |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level bfd

[no] logging level bfd <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| bfd       | Set level for bfd syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level bgp

[no] logging level bgp <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| bgp          | Set syslog filter level for BGP                              |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level bloggerd

[no] logging level bloggerd <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| bloggerd  | Set level for BloggerD syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level bootvar

[no] logging level bootvar <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| bootvar   | Set level for bootvar  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level callhome

logging level callhome <i0> | no logging level callhome [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| callhome  | Callhome syslog level  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level capability

[no] logging level capability <i0>

## Syntax Description

|            |  |
|------------|--|
| no         | (Optional) Negate a command or set its defaults              |
| logging    | Modify message logging facilities                            |
| level      | Facility parameter for syslog messages                       |
| capability | Set syslog level for mig utils daemon                        |
| <i>i0</i>  | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level cdp

logging level cdp <i0> | no logging level cdp [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| cdp       | Set level for CDP syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level cfs

[no] logging level cfs <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level clis

[no] logging level clis <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| clis         | Set syslog filter level for CLIS                             |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level clk\_mgr

[no] logging level clk\_mgr <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| clk_mgr   | Set level for clock manager syslog messages                  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level confcheck

{ logging level confcheck <i0> | no logging level confcheck [ <i0> ] }

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

## logging level copp

logging level copp <i0> | no logging level copp [ <i0> ]

### Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| copp      | Set level for copp syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

### Command Mode

- /exec/configure

# logging level core-dmon

{ logging level core-dmon <i0> | no logging level core-dmon [ <i0> ] }

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| core-dmon | core daemon syslog level                                     |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level cts

[no] logging level cts <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| cts       | Set level for cts syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level device-alias

[no] logging level device-alias <i0>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| device-alias | Set syslog level for Device Alias Distribution Service       |
| <i>i0</i>    | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level dhclient

[no] logging level dhclient <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| dhclient  | Set level for dhcp client syslog messages                    |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level dhcp\_snoop

logging level dhcp\_snoop <level> | no logging level dhcp\_snoop [ <level> ]

## Syntax Description

|              |  |
|--------------|--|
| no           | Negate a command or set its defaults                         |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| dhcp_snoop   | Set level for dhcp snoop syslog messages                     |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level diagclient

[no] logging level diagclient <i0>

## Syntax Description

|            |  |
|------------|--|
| no         | (Optional) Negate a command or set its defaults              |
| logging    | Modify message logging facilities                            |
| level      | Facility parameter for syslog messages                       |
| diagclient | Set level for GOLD DiagClient syslog messages                |
| <i>i0</i>  | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level diagmgr

[no] logging level diagmgr <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| diagmgr   | Set level for GOLD DiagMgr syslog messages                   |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level dot1x

logging level dot1x <i0> | no logging level dot1x [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| dot1x     | Set level for dot1x syslog messages                          |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level dpvm

[no] logging level dpvm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| dpvm      | Set syslog level for DPVM                                    |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ecp

[no] logging level ecp <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ecp          | Set syslog filter level for ECP                              |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level eigrp

[no] logging level eigrp [ <eigrp-ptag> ] <level>

## Syntax Description

|                   |  |
|-------------------|--|
| no                | (Optional) Negate a command or set its defaults              |
| logging           | Modify message logging facilities                            |
| level             | Facility parameter for syslog messages                       |
| eigrp             | Set syslog filter level for EIGRP                            |
| <i>eigrp-ptag</i> | (Optional) Process tag                                       |
| <i>level</i>      | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level eltm

logging level eltm <i0> | no logging level eltm

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| eltm      | Set level for eltm syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level epbr

[no] logging level epbr <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| epbr      | Set level for epbr syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level epp

[no] logging level epp <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| epp       | Set level for EPP syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ethpm

[no] logging level ethpm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ethpm     | Set level for ethpm syslog messages                          |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

## logging level ethpm link

[no] logging level ethpm { link-up | link-down } <level>

### Syntax Description

|              |   |
|--------------|---|
| no           | (Optional) Negate a command or set its defaults       |
| logging      | Modify message logging facilities                     |
| level        | Facility parameter for syslog messages                |
| ethpm        | Set level for ethpm syslog messages                   |
| link-up      | Configure logging level for link up syslog messages   |
| link-down    | Configure logging level for link down syslog messages |
| <i>level</i> | Logging Level   |

### Command Mode

- /exec/configure

# logging level evb

[no] logging level evb <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| evb          | Set syslog filter level for EVB                              |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level evmc

[no] logging level evmc <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| evmc      | Set level for evmc syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level evmed

[no] logging level evmed <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| evmed     | Set level for evmed syslog messages                          |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level evms

[no] logging level evms <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| evms      | Set level for evms syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fabric forwarding

[no] logging level fabric forwarding <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| fabric       | Fabric   |
| forwarding   | Fabric Forwarding Protocol: Host Mobility Manager (HMM)      |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fabricpath switch-id

[no] logging level fabricpath switch-id <i0>

## Syntax Description

|            |  |
|------------|--|
| no         | (Optional) Negate a command or set its defaults              |
| logging    | Modify message logging facilities                            |
| level      | Facility parameter for syslog messages                       |
| fabricpath | fabricpath configuration                                     |
| switch-id  | switch-id submodule of fabricpath                            |
| <i>i0</i>  | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fc2d

[no] logging level fc2d <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| fc2d      | Set level for fc2d syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fcdomain

[no] logging level fcdomain <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| fcdomain  | set level for fcdomain syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fcns

[no] logging level fcns <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| fcns      | Set syslog filter level for name server                      |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fcoe\_mgr

[no] logging level fcoe\_mgr <i0>

## Syntax Description

|          |  |
|----------|--|
| no       | (Optional) Negate a command or set its defaults              |
| logging  | Modify message logging facilities                            |
| level    | Facility parameter for syslog messages                       |
| fcoe_mgr | Set level for fcoe_mgr syslog messages                       |
| i0       | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level fcs

[no] logging level fcs <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fdmi

[no] logging level fdmi <i0>

## Syntax Description

|           |   |
|-----------|---|
| no        | (Optional) Negate a command or set its defaults             |
| logging   | Modify message logging facilities                           |
| level     | Facility parameter for syslog messages                      |
| fdmi      | Set logging level for fdmi                                  |
| <i>i0</i> | 0:emer 1:alert 2:crit 3:errs 4:warn 5:notifi 6:info 7:debug |

## Command Mode

- /exec/configure

# logging level feature-mgr

{ logging level feature-mgr <i0> | no logging level feature-mgr [ <i0> ] }

## Syntax Description

|             |  |
|-------------|--|
| no          | Negate a command or set its defaults                         |
| logging     | Modify message logging facilities                            |
| level       | Facility parameter for syslog messages                       |
| feature-mgr | Set feature manager syslog level                             |
| <i>i0</i>   | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level flogi

[no] logging level flogi <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| flogi     | Configure level for flogi syslog messages                    |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fs-daemon

[no] logging level fs-daemon <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| fs-daemon | fs daemon syslog level                                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fspf

[no] logging level fspf <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level fsync\_mgr

[no] logging level fsync\_mgr <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| fsync_mgr | Frequency Synchronization Manager                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level gpixm

[no] logging level gpixm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| gpixm     | Set level for global-pixm syslog messages                    |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level hardware-telemetry

[no] logging level hardware-telemetry <i0>

## Syntax Description

|                    |  |
|--------------------|--|
| no                 | (Optional) Negate a command or set its defaults              |
| logging            | Modify message logging facilities                            |
| level              | Facility parameter for syslog messages                       |
| hardware-telemetry | Set level for hardware-telemetry syslog messages             |
| <i>i0</i>          | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level hsrp

[no] logging level hsrp <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| hsrp      | Set level for hsrp syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level icam

[no] logging level icam <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| icam      | Set level for icam syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level igmp

[no] logging level [ ip ] igmp <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ip           | (Optional) Configure IP features                             |
| igmp         | IGMP global configuration commands                           |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level imp

[no] logging level imp <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| imp       | Set level for imp syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

## logging level interface-vlan

[no] logging level interface-vlan <i0>

### Syntax Description

|                |  |
|----------------|--|
| no             | (Optional) Negate a command or set its defaults              |
| logging        | Modify message logging facilities                            |
| level          | Facility parameter for syslog messages                       |
| interface-vlan | Set level for interface vlan syslog messages                 |
| <i>i0</i>      | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

### Command Mode

- /exec/configure

# logging level ip pim

[no] logging level ip pim <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ip           | Configure IP features  |
| pim          | Set syslog filter level for PIM                              |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ip sla responder

[no] logging level ip sla responder <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ip        |  |
| sla       | Service Level Agreement (SLA)                                |
| responder | Set level for sla-responder syslog messages                  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level ip sla sender

[no] logging level ip sla sender <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ip        |  |
| sla       | Service Level Agreement (SLA)                                |
| sender    | Set level for sla-sender syslog messages                     |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ip sla twamp-server

[no] logging level ip sla twamp-server <i0>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ip           |  |
| sla          | Service Level Agreement (SLA)                                |
| twamp-server | Set level for sla-twamp-server syslog messages               |
| <i>i0</i>    | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ipconf

[no] logging level ipconf { ipv6 <i0> | <i1> }

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ipconf    | Set level for ipconf syslog messages                         |
| ipv6      | Set level for ipconf syslog messages                         |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| <i>i1</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ipfib

logging level ipfib <i0> | no logging level ipfib

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ipfib     | Set level for ipfib syslog messages                          |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ipqos

[no] logging level { ipqos | IPQOSMGR } <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ipv6 mld

[no] logging level ipv6 mld <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ipv6         | Configure IPv6 features                                      |
| mld          | MLD global configuration commands                            |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ipv6 pim

[no] logging level ipv6 pim <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ipv6         | Configure IPv6 features                                      |
| pim          | Set syslog filter level for PIM6                             |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level iscm

[no] logging level iscm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| iscm      | Set level for iscm syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level iscm

[no] logging level iscm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| iscm      | Set level for iscm syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level isis

[no] logging level isis <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| isis         | Set syslog filter level for IS-IS                            |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level l2fm

logging level l2fm <i0> | no logging level l2fm

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| l2fm      | Set level for l2fm syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

## logging level l2rib

[no] logging level l2rib <level>

### Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| l2rib        | l2rib syslog   |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

### Command Mode

- /exec/configure

# logging level l3vm

[no] logging level l3vm <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| l3vm         | Set syslog filter level for L3VM                             |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level lacp

[no] logging level lacp <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| lacp      | Set level for lacp syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ldap

logging level ldap <i0> | no logging level ldap [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ldap      | Set level for ldap syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level lem-mgr

[no] logging level lem-mgr <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level lim

[no] logging level lim <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| lim       | Set level for lim syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level lisp

[no] logging level lisp <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| lisp         | Set logging level for LISP                                   |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level lldp

[no] logging level lldp <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| lldp      | Set level for lldp syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

## logging level m2rib

[no] logging level m2rib <i0>

### Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| m2rib     | Set level for m2rib syslog messages                          |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

### Command Mode

- /exec/configure

# logging level mfdm

logging level mfdm <i0> | no logging level mfdm

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| mfdm      | Set level for mfdm syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level mfwd

[no] logging level { mfwd | mcastfwd } <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| mfwd         | Configures Global IP Multicast Forwarding                    |
| mcastfwd     | Configures Global IP Multicast Forwarding                    |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level mfwdv6

[no] logging level { mfwdv6 | mcastfwdv6 } <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| mfwdv6       | Configures Global IPv6 Multicast Forwarding                  |
| mcastfwdv6   | Configures Global IPv6 Multicast Forwarding                  |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level mmode

[no] logging level mmode <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| mmode     | Set level for maintenance mode syslog messages               |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level module

[no] logging level module <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| module    | Set level for module(linecard) manager syslog messages       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level monitor

[no] logging level monitor <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| monitor   | Set level for ethernet span syslog messages                  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level mpls manager

[no] logging level mpls manager <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| mpls         | Set level for MPLS syslog messages                           |
| manager      | Set level for MPLS manager syslog messages                   |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level mpls static

[no] logging level mpls static <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| mpls         | Set level for MPLS syslog messages                           |
| static       | Set level for MPLS Static syslog messages                    |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level mpls switching

[no] logging level mpls switching <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| mpls         | Set level for MPLS syslog messages                           |
| switching    | Set level for mpls switching syslog messages                 |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level msdp

[no] logging level [ ip ] msdp <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ip           | (Optional) Configure IP features                             |
| msdp         | Set syslog filter level for MSDP                             |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level mvsh

[no] logging level mvsh <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| mvsh      | Set level for mvsh syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level nat

logging level nat <i0> | no logging level nat [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| nat       | Set level for NAT syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level nbm

logging level nbm <i0> | no logging level nbm

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| nbm       | Set level for nbm syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure /exec/configure/nbm-vrf

# logging level netstack

{ logging level netstack <level> } | { no logging level netstack [ <level> ] }

## Syntax Description

|              |  |
|--------------|--|
| no           | Negate a command or set its defaults                         |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| netstack     | Set syslog filter level for Netstack                         |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level nfm

[no] logging level nfm <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| nfm          | Set level for nfm syslog messages                            |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level nfm

[no] logging level nfm <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| nfm          | Set level for nfm syslog messages                            |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure/analytics

# logging level nfm

[no] logging level nfm <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| nfm          | Set level for nfm syslog messages                            |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ngmvpn

[no] logging level ngmvpn <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ngmvpn       | Set syslog filter level for NGMVPN                           |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ngoam

[no] logging level ngoam <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ngoam     | Set level for oam logging messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level npv

[no] logging level npv <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| npv       | Set level for NPV syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level ntp

[no] logging level ntp <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ntp       | Set syslog filter level for NTP                              |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level nve

[no] logging level nve <inp>

## Syntax Description

|            |  |
|------------|--|
| no         | (Optional) Negate a command or set its defaults              |
| logging    | Modify message logging facilities                            |
| level      | Facility parameter for syslog messages                       |
| nve        | Display NVE information                                      |
| <i>inp</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level nxsdk

[no] logging level nxsdk <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| nxsdk        | NXOS SDK   |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ofm

logging level ofm <i0> | no logging level ofm [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ofm       | Set level for ofm syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level orib

[no] logging level orib <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| orib         | Set syslog filter level for ORIB                             |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ospf

[no] logging level ospf <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ospf         | Set syslog filter level for OSPF                             |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ospfv3

[no] logging level ospfv3 <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| ospfv3       | Set syslog filter level for OSPFv3                           |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level pfstat

logging level pfstat <i0> | no logging level pfstat

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| pfstat    | Set level for pfstat syslog messages                         |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level pixm

[no] logging level pixm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| pixm      | Set level for vdc-local-pixm syslog messages                 |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level pktmgr

[no] logging level pktmgr <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| pktmgr       | Set syslog filter level for Packet manager                   |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level platform

[no] logging level platform <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| platform  | platform manager syslog level                                |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level plcmgr

[no] logging level { plcmgr | ipplc } <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level pltfm\_config

[no] logging level pltfm\_config <i0>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| pltfm_config | Set level for pltfm_config syslog messages                   |
| <i>i0</i>    | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level pltm

[no] logging level pltm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| pltm      | Set level for pltm syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level plugin

{ logging level plugin <i0> | no logging level plugin [ <i0> ] }

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| plugin    | Set level for plugin syslog messages                         |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level poed

[no] logging level poed <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| poed      | Show PoE Daemon Logging Configuration                        |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level port-profile

logging level port-profile <i0> | no logging level port-profile [ <i0> ]

## Syntax Description

|              |  |
|--------------|--|
| no           | Negate a command or set its defaults                         |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| port-profile | Set level for port-profile syslog messages                   |
| <i>i0</i>    | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level port-resources

[no] logging level port-resources <i0>

## Syntax Description

|                |  |
|----------------|--|
| no             | (Optional) Negate a command or set its defaults              |
| logging        | Modify message logging facilities                            |
| level          | Facility parameter for syslog messages                       |
| port-resources | Set level for prm syslog messages                            |
| <i>i0</i>      | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level port-security

logging level port-security <i0> | no logging level port-security [ <i0> ]

## Syntax Description

|               |  |
|---------------|--|
| no            | Negate a command or set its defaults                         |
| logging       | Modify message logging facilities                            |
| level         | Facility parameter for syslog messages                       |
| port-security | Set level for port-security syslog messages                  |
| <i>i0</i>     | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level port

[no] logging level port <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| port      | Set level for port syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level port link-failure

[no] logging level port link-failure <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults          |
| logging      | Modify message logging facilities                        |
| level        | Facility parameter for syslog messages                   |
| port         | Set level for port syslog messages                       |
| link-failure | Configure logging level for link failure syslog messages |
| <i>level</i> | Logging Level  |

## Command Mode

- /exec/configure

## logging level private-vlan

[no] logging level private-vlan <i0>

### Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| private-vlan | Set level for private VLAN syslog messages                   |
| <i>i0</i>    | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

### Command Mode

- /exec/configure

# logging level ptp

[no] logging level ptp <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ptp       | Set level for ptp syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level radius

logging level radius <i0> | no logging level radius [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| radius    | RADIUS syslog level  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level rdl

[no] logging level rdl <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| rdl       | Set logging level for RDL                                    |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level res\_mgr

[no] logging level res\_mgr <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| res_mgr   | Set level for res_mgr syslog messages                        |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level rib

[no] logging level rib <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| rib       | Set level for rib  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level rip

[no] logging level rip <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| rip          | Set syslog filter level for RIP                              |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level rpm

[no] logging level rpm <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| rpm          | Set syslog filter level for RPM                              |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level rscn

```
{ logging level rscn <i0> | no logging level rscn [ <i1> ] }
```

## Syntax Description

|           |   |
|-----------|---|
| no        | Negate a command or set its defaults                                    |
| logging   | Modify message logging facilities                                       |
| level     | Facility parameter for syslog messages                                  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug            |
| <i>i1</i> | (Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level sal

[no] logging level sal <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| sal       | Set level for sal syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level scheduler

[no] logging level scheduler <i>i0</i>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| scheduler | Set logging level for scheduler                              |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level scsi-target

[no] logging level scsi-target <i0>

## Syntax Description

|             |  |
|-------------|--|
| no          | (Optional) Negate a command or set its defaults              |
| logging     | Modify message logging facilities                            |
| level       | Facility parameter for syslog messages                       |
| scsi-target | scsi target daemon syslog level                              |
| <i>i0</i>   | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level segment-routing

[no] logging level segment-routing <i0>

## Syntax Description

|                 |  |
|-----------------|--|
| no              | (Optional) Negate a command or set its defaults              |
| logging         | Modify message logging facilities                            |
| level           | Facility parameter for syslog messages                       |
| segment-routing | Set level for SR syslog messages                             |
| <i>i0</i>       | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level session-mgr

logging level session-mgr <i0> | no logging level session-mgr [ <i0> ]

## Syntax Description

|             |  |
|-------------|--|
| no          | Negate a command or set its defaults                         |
| logging     | Modify message logging facilities                            |
| level       | Facility parameter for syslog messages                       |
| session-mgr | Set level for session-manager syslog messages                |
| <i>i0</i>   | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level sflow

[no] logging level sflow <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| sflow     | Set level for sFlow syslog messages                          |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level smm

[no] logging level smm <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| smm          | Set logging level for Shared Memory Manager                  |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level snmpd

[no] logging level snmpd <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| snmpd     | Set level for SNMP syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level snmpmib\_proc

[no] logging level snmpmib\_proc <i0>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| snmpmib_proc | Set level for snmpmib_proc syslog messages                   |
| <i>i0</i>    | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level spanning

[no] logging level { spanning-tree } <i0>

## Syntax Description

|               |  |
|---------------|--|
| no            | (Optional) Negate a command or set its defaults              |
| logging       | Modify message logging facilities                            |
| level         | Facility parameter for syslog messages                       |
| spanning-tree | Set level for stp syslog messages                            |
| <i>i0</i>     | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level spm

[no] logging level spm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| spm       | Set level for spm syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level stripcl

[no] logging level stripcl <log-level>

## Syntax Description

|                  |  |
|------------------|--|
| no               | (Optional) Negate a command or set its defaults              |
| logging          | Modify message logging facilities                            |
| level            | Facility parameter for syslog messages                       |
| stripcl          | Set level for stripcl syslog messages                        |
| <i>log-level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level sync

[no] logging level sync <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| sync      | Set level for sync syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level sysmgr

```
{ logging level sysmgr <i0> | no logging level sysmgr [ <i0> ] }
```

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level tacacs

logging level tacacs <i0> | no logging level tacacs [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| tacacs    | TACACS+ syslog level   |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level telemetry

[no] logging level telemetry <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its default               |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| telemetry    | Set syslog filter level for telemetry                        |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level template\_manager

[no] logging level template\_manager <i0>

## Syntax Description

|                  |  |
|------------------|--|
| no               | (Optional) Negate a command or set its defaults              |
| logging          | Modify message logging facilities                            |
| level            | Facility parameter for syslog messages                       |
| template_manager | Set level for template manager syslog messages               |
| <i>i0</i>        | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level track

[no] logging level track <*i0*>

## Syntax Description

|           |  |
|-----------|--|
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| track     | Set level for track syslog messages                          |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level tunnel-encryption

[no] logging level tunnel-encryption <i0>

## Syntax Description

|                   |  |
|-------------------|--|
| no                | (Optional) Negate a command or set its defaults              |
| logging           | Modify message logging facilities                            |
| level             | Facility parameter for syslog messages                       |
| tunnel-encryption | Set level for tunnel encryption manager syslog messages      |
| <i>i0</i>         | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level tunnel

logging level tunnel <i0> | no logging level tunnel [ <i0> ]

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| tunnel    | Set level for tunnel syslog messages                         |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level u2rib

[no] logging level u2rib <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| u2rib     | Set level for u2rib syslog messages                          |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level u6rib

[no] logging level u6rib <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| u6rib        | Set syslog filter level for U6RIB                            |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level udd

[no] logging level udd <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| udd       | Set level for udd syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level ufdm

[no] logging level ufdm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| ufdm      | Set level for ufdm syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level urib

[no] logging level urib <level>

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| urib         | Set syslog filter level for URIB                             |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level vdc\_mgr

[no] logging level vdc\_mgr <i0>

## Syntax Description

|           |  |
|-----------|--|
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| vdc_mgr   | Set level for vdc_mgr syslog messages                        |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level virtual-service

[no] logging level virtual-service <i0>

## Syntax Description

|                 |  |
|-----------------|--|
| no              | (Optional) Negate a command or set its defaults              |
| logging         | Modify message logging facilities                            |
| level           | Facility parameter for syslog messages                       |
| virtual-service | Set level for virtual service syslog messages                |
| <i>i0</i>       | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

## logging level vlan\_mgr

logging level vlan\_mgr <i0> | no logging level vlan\_mgr [ <i0> ]

### Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| vlan_mgr  | Set level for VLAN syslog messages                           |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

### Command Mode

- /exec/configure

# logging level vmm

[no] logging level vmm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| vmm       | Set level for vmm syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level vmtracker

[no] logging level vmtracker <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| vmtracker | Set level for vmtracker syslog messages                      |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level vpc

[no] logging level vpc <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| vpc       | Set level for vPC syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level vrrp

[no] logging level { vrrp-cfg <cfg\_level\_num> | vrrp-eng <eng\_level\_num> }

## Syntax Description

|                      |  |
|----------------------|--|
| no                   | (Optional) Negate a command or set its defaults              |
| logging              | Modify message logging facilities                            |
| level                | Facility parameter for syslog messages                       |
| vrrp-cfg             | Set level for vrrp configuration                             |
| <i>cfg_level_num</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| vrrp-eng             | Set level for vrrp engine                                    |
| <i>eng_level_num</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level vrrpv3

[no] logging level { vrrpv3 <level> }

## Syntax Description

|              |  |
|--------------|--|
| no           | (Optional) Negate a command or set its defaults              |
| logging      | Modify message logging facilities                            |
| level        | Facility parameter for syslog messages                       |
| vrrpv3       | Set level for vrrpv3 configuration                           |
| <i>level</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level vsan

{ logging level vsan <i0> | no logging level vsan [ <i1> ] }

## Syntax Description

|           |   |
|-----------|---|
| no        | Negate a command or set its defaults                                    |
| logging   | Modify message logging facilities                                       |
| level     | Facility parameter for syslog messages                                  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug            |
| <i>i1</i> | (Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging level vshd

[no] logging level vshd <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level vtp

[no] logging level vtp <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| vtp       | Set level for vtp syslog messages                            |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level wwnm

[no] logging level wwnm <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| wwnm      | Set WWN Manager syslog level                                 |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level xbar

[no] logging level xbar <i0>

## Syntax Description

|           |  |
|-----------|--|
| no        | (Optional) Negate a command or set its defaults              |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| xbar      | xbar syslog level  |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging level zone

logging level zone <i0> | no logging level zone

## Syntax Description

|           |  |
|-----------|--|
| no        | Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                            |
| level     | Facility parameter for syslog messages                       |
| <i>i0</i> | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging logfile

```
{ logging logfile <s0> <i0> [ size <i1> ] [ persistent threshold <i2> ] | no logging logfile [ <s0> <i0> [ size <i1> ] [ persistent threshold <i2> ] ] }
```

## Syntax Description

|            |   |
|------------|---|
| no         | Negate a command or set its defaults  |
| logging    | Modify message logging facilities   |
| logfile    | Set File logging  |
| <i>s0</i>  | Enter the logfile name  |
| <i>i0</i>  | 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug                |
| size       | (Optional) Set logfile size   |
| <i>i1</i>  | (Optional) Enter the logfile size in bytes                                  |
| persistent | (Optional) Modify persistent logging  |
| threshold  | (Optional) Set persistent logging utilization alert threshold in percentage |
| <i>i2</i>  | (Optional) Enter utilization alert threshold value in percentage            |

## Command Mode

- /exec/configure

# logging message interface type ethernet

logging message interface type ethernet <info> | no logging message interface type ethernet <info>

## Syntax Description

|             |   |
|-------------|---|
| no          | Negate a command or set its defaults        |
| logging     | Configure logging for interface             |
| message     | Interface events                            |
| interface   | Interface level events                      |
| type        | Interface type                              |
| ethernet    | Ethernet interfaces                         |
| <i>info</i> | Field Names to be added to interface syslog |

## Command Mode

- /exec/configure

# logging module

[no] logging module [ <i0> ]

## Syntax Description

|           |   |
|-----------|---|
| no        | (Optional) Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                                       |
| module    | Set module(linecard) logging  |
| <i>i0</i> | (Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure



# logging monitor

[no] logging monitor [ <i0> ]

## Syntax Description

|           |   |
|-----------|---|
| no        | (Optional) Negate a command or set its defaults                         |
| logging   | Modify message logging facilities                                       |
| monitor   | Set terminal line(monitor) logging level                                |
| <i>i0</i> | (Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |

## Command Mode

- /exec/configure

# logging origin-id

[no] logging origin-id { hostname | ip <ip0> | string <s0> }

## Syntax Description

|            |  |
|------------|--|
| no         | (Optional) Negate a command or set its defaults    |
| logging    | Modify message logging facilities                  |
| origin-id  | Enable origin information for Remote Syslog Server |
| hostname   | Use hostname as origin-id of logging messages      |
| ip         | Use ip address as origin-id of logging messages    |
| <i>ip0</i> | Hostname/IPv4/IPv6 address                         |
| string     | Use text string as origin-id of logging messages   |
| <i>s0</i>  | Enter string to append to the front of syslog msgs |

## Command Mode

- /exec/configure

# logging rate-limit

[no] logging rate-limit

## Syntax Description

|            |   |
|------------|---|
| no         | (Optional) Negate a command or set its defaults |
| logging    | Modify message logging facilities               |
| rate-limit | Enables rate limit for log messages             |

## Command Mode

- /exec/configure

# logging rfc-strict 5424

[no] logging rfc-strict { 5424 }

## Syntax Description

|            |   |
|------------|---|
| no         | (Optional) Negate a command or set its defaults |
| logging    | Modify message logging facilities               |
| rfc-strict | Set RFC to which messages should compliant      |
| 5424       | Syslogs will be compliant to RFC 5424           |

## Usage Guidelines



---

**Note** This command is disabled by default.

---

## Command Mode

- /exec/configure

# logging secure oosp strict

{ logging secure oosp strict | no logging secure oosp strict }

## Syntax Description

|         |  |
|---------|--|
| no      | Negate a command or set its defaults             |
| logging | Logging configuration                            |
| secure  | Enable secure connection to remote server        |
| oosp    | Online Certificate Status Protocol configuration |
| strict  | Configure oosp in strict mode                    |

## Command Mode

- /exec/configure

# logging server

```
[no] logging server <host0> [ [ <i1> ] ] [ port <port> ] [ secure [ trustpoint client-identity <trustpoint-label> ] ] [ use-vrf { <vrf-name> | <vrf-known-name> } ] facility { auth | authpriv | cron | daemon | ftp | kernel | local0 | local1 | local2 | local3 | local4 | local5 | local6 | local7 | lpr | mail | news | syslog | user | uucp } ] + ]
```

## Syntax Description

|                         |   |
|-------------------------|---|
| no                      | (Optional) Negate a command or set its defaults                         |
| logging                 | Modify message logging facilities                                       |
| server                  | Enable forwarding to Remote Syslog Server                               |
| <i>host0</i>            | Hostname/IPv4/IPv6 address of the Remote Syslog Server                  |
| <i>i1</i>               | (Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug |
| port                    | (Optional) Destination Port when forwarding to remote server            |
| <i>port</i>             | (Optional) Range from 1 - 65535(Default 514)                            |
| secure                  | (Optional) Enable secure connection to remote server                    |
| trustpoint              | (Optional) Trustpoint configuration                                     |
| client-identity         | (Optional) Client Identity certificate for mutual authentication        |
| <i>trustpoint-label</i> | (Optional) trustpoint to use for client certificate authentication      |
| use-vrf                 | (Optional) Display per-VRF information                                  |
| <i>vrf-name</i>         | (Optional) VRF name   |
| <i>vrf-known-name</i>   | (Optional) Known VRF name   |
| facility                | (Optional) Facility to use when forwarding to server                    |
| auth                    | (Optional) Use auth facility  |
| authpriv                | (Optional) Use authpriv facility  |
| cron                    | (Optional) Use Cron/at facility   |
| daemon                  | (Optional) Use daemon facility  |
| ftp                     | (Optional) Use file transfer system facility                            |
| kernel                  | (Optional) Use kernel facility  |
| local0                  | (Optional) Use local0 facility  |
| local1                  | (Optional) Use local1 facility  |
| local2                  | (Optional) Use local2 facility  |

|        |  |
|--------|--|
| local3 | (Optional) Use local3 facility                   |
| local4 | (Optional) Use local4 facility                   |
| local5 | (Optional) Use local5 facility                   |
| local6 | (Optional) Use local6 facility                   |
| local7 | (Optional) Use local7 facility                   |
| lpr    | (Optional) Use lpr facility                      |
| mail   | (Optional) Use mail facility                     |
| news   | (Optional) Use USENET news facility              |
| syslog | (Optional) Use syslog facility                   |
| user   | (Optional) Use user facility                     |
| uucp   | (Optional) Use Unix-to-Unix copy system facility |

**Command Mode**

- /exec/configure

# logging server dns-refresh-interval

[no] logging server dns-refresh-interval <i0>

## Syntax Description

|                      |   |
|----------------------|---|
| no                   | (Optional) Negate a command or set its defaults   |
| logging              | Modify message logging facilities   |
| server               | Enable forwarding to Remote Syslog Server   |
| dns-refresh-interval | DNS refresh interval for remote syslog server hostnames   |
| <i>i0</i>            | Configure DNS Refresh interval from 10 minutes to 24 hours Default:60 (will cancel any existing timers) |

## Command Mode

- /exec/configure



# logging source-interface

{ logging source-interface <interface> | no logging source-interface }

## Syntax Description

|                  |  |
|------------------|--|
| no               | Negate a command or set its defaults             |
| logging          | Modify message logging facilities                |
| source-interface | Enable Source-Interface for Remote Syslog Server |
| <i>interface</i> | Source interface name                            |

## Command Mode

- /exec/configure

# logging timestamp

[no] logging timestamp { microseconds | milliseconds | seconds }

## Syntax Description

|              |   |
|--------------|---|
| no           | (Optional) Negate a command or set its defaults |
| logging      | Modify message logging facilities               |
| timestamp    | Set logging timestamp granularity               |
| microseconds | Timestamp in micro-seconds                      |
| milliseconds | Timestamp in milli-seconds                      |
| seconds      | Timestamp in seconds (Default)                  |

## Command Mode

- /exec/configure

# login on-failure log

[no] login on-failure log

## Syntax Description

|            |   |
|------------|---|
| no         | (Optional) Negate a command or set its defaults |
| login      | login   |
| on-failure | Set options for failed login attempt            |
| log        | Generate syslogs on failure logins              |

## Command Mode

- /exec/configure

# login on-success log

[no] login on-success log

## Syntax Description

|            |   |
|------------|---|
| no         | (Optional) Negate a command or set its defaults |
| login      | login   |
| on-success | Set options for successful login attempt        |
| log        | Generate syslogs on successful logins           |

## Command Mode

- /exec/configure

# logout-warning

{ logout-warning <i0> | no logout-warning [ <i0> ] }

## Syntax Description

|                |                                      |
|----------------|--------------------------------------|
| no             | Negate a command or set its defaults |
| logout-warning | Configure logout warning             |
| <i>i0</i>      | Enter logout warning time in seconds |

## Command Mode

- /exec/configure/line

# low-memory exempt

[ no | default ] low-memory exempt

## Syntax Description

|            |   |
|------------|---|
| no         | (Optional) Negate a command or set its defaults |
| default    | (Optional) Inherit values from a peer template  |
| low-memory | Behaviour                                       |
| exempt     | Do  |

## Command Mode

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

# Ishow

Ishow

## Syntax Description

|       |                                     |
|-------|-------------------------------------|
| Ishow | display this instance of credential |
|-------|-------------------------------------|

## Command Mode

- /exec/configure/dot1x-cred

# lsp-gen-interval

lsp-gen-interval <max-wait> [ <initial-wait> <second-wait> ] | no lsp-gen-interval <max-wait> [ <initial-wait> <second-wait> ]

## Syntax Description

|                     |   |
|---------------------|---|
| no                  | Negate a command or set its defaults                                      |
| lsp-gen-interval    | Configure LSP generation interval   |
| <i>max-wait</i>     | Maximum wait between trigger and LSP generation (milli-secs)              |
| <i>initial-wait</i> | (Optional) Initial wait between trigger and LSP generation (milli-secs)   |
| <i>second-wait</i>  | (Optional) Second wait used in LSP generation (milli-secs) during backoff |

## Command Mode

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



# lsp-gen-interval

lsp-gen-interval <level> <max-wait> [ <initial-wait> <second-wait> ] | no lsp-gen-interval <level> <max-wait> [ <initial-wait> <second-wait> ]

## Syntax Description

|                     |   |
|---------------------|---|
| no                  | Negate a command or set its defaults                                      |
| lsp-gen-interval    | Configure LSP generation interval   |
| <i>level</i>        | IS-IS level   |
| <i>max-wait</i>     | Maximum wait between trigger and LSP generation (milli-secs)              |
| <i>initial-wait</i> | (Optional) Initial wait between trigger and LSP generation (milli-secs)   |
| <i>second-wait</i>  | (Optional) Second wait used in LSP generation (milli-secs) during backoff |

## Command Mode

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

# lsp-gen-interval

lsp-gen-interval <max-wait> [ <initial-wait> <second-wait> ] | no lsp-gen-interval <max-wait> [ <initial-wait> <second-wait> ]

## Syntax Description

|                     |   |
|---------------------|---|
| no                  | Negate a command or set its defaults                                      |
| lsp-gen-interval    | Configure LSP generation interval   |
| <i>max-wait</i>     | Maximum wait between trigger and LSP generation (milli-secs)              |
| <i>initial-wait</i> | (Optional) Initial wait between trigger and LSP generation (milli-secs)   |
| <i>second-wait</i>  | (Optional) Second wait used in LSP generation (milli-secs) during backoff |

## Command Mode

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

# lsp-mtu

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

## Syntax Description

|            |                                      |
|------------|--------------------------------------|
| no         | Negate a command or set its defaults |
| lsp-mtu    | Set LSP MTU                          |
| <i>mtu</i> | Maximum LSP size in bytes            |

## Command Mode

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

# lsp-mtu

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

## Syntax Description

|            |                                      |
|------------|--------------------------------------|
| no         | Negate a command or set its defaults |
| lsp-mtu    | Set LSP MTU                          |
| <i>mtu</i> | Maximum LSP size in bytes            |

## Command Mode

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

# lsp-mtu

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

## Syntax Description

|            |                                      |
|------------|--------------------------------------|
| no         | Negate a command or set its defaults |
| lsp-mtu    | Set LSP MTU                          |
| <i>mtu</i> | Maximum LSP size in bytes            |

## Command Mode

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

# lsp

[no] lsp <lsp-name>

## Syntax Description

|                 |   |
|-----------------|---|
| no              | (Optional) Negate a command or set its defaults |
| lsp             | Configure the name for the label-switched path  |
| <i>lsp-name</i> | Name for this LSP                               |

## Command Mode

- /exec/configure/mpls\_static/ipv4

# lsp

[no] lsp <lsp-name>

## Syntax Description

|                 |   |
|-----------------|---|
| no              | (Optional) Negate a command or set its defaults |
| lsp             | Configure the name for the label-switched path  |
| <i>lsp-name</i> | Name for this LSP                               |

## Command Mode

- /exec/configure/mpls\_static/ipv6

