



S Commands

- [sak-expiry-time](#), on page 13
- [sampler](#), on page 14
- [sap hash-algorithm HMAC-SHA-1](#), on page 15
- [sap modelist](#), on page 16
- [sap pmk sap pmk use-dot1x](#), on page 17
- [save](#), on page 18
- [scale-factor module](#), on page 19
- [scheduler aaa-authentication](#), on page 20
- [scheduler enable](#), on page 21
- [scheduler job name](#), on page 22
- [scheduler logfile size](#), on page 23
- [scheduler schedule name](#), on page 24
- [scheduler transport email](#), on page 25
- [scp](#), on page 26
- [scp](#), on page 27
- [scripting tcl init](#), on page 28
- [scripting tcl recursion-limit](#), on page 29
- [search](#), on page 30
- [section](#), on page 31
- [secure-handoff](#), on page 32
- [security-policy](#), on page 33
- [sed](#), on page 34
- [segment-routing mpls](#), on page 35
- [send-community](#), on page 36
- [send-community](#), on page 37
- [send-community extended](#), on page 38
- [send-lifetime month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l duration infinite month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l](#), on page 39
- [send-lifetime month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l duration infinite month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l](#), on page 41
- [send](#), on page 43
- [send session](#), on page 44

- [sensor-group](#), on page 45
- [server](#), on page 46
- [server](#), on page 47
- [server](#), on page 48
- [server protocol ldap](#), on page 49
- [server protocol radius group](#), on page 50
- [server protocol xmpp ip](#), on page 51
- [service-policy](#), on page 52
- [service-policy](#), on page 53
- [service-policy](#), on page 54
- [service-policy input](#), on page 55
- [service-policy type network-qos](#), on page 56
- [service-policy type psp](#), on page 57
- [service-policy type qos](#), on page 58
- [service-policy type queuing](#), on page 59
- [service-policy type queuing](#), on page 60
- [service-policy type queuing](#), on page 61
- [service dhcp](#), on page 62
- [service set](#), on page 63
- [service tag](#), on page 64
- [service unsupported-transceiver](#), on page 65
- [session-limit](#), on page 66
- [session domain-lookup](#), on page 67
- [session key-required](#), on page 68
- [session max](#), on page 69
- [session max](#), on page 70
- [session protection](#), on page 71
- [set-attached-bit](#), on page 72
- [set-overload-bit](#), on page 73
- [set](#), on page 74
- [set](#), on page 75
- [set](#), on page 78
- [set](#), on page 79
- [set](#), on page 80
- [set](#), on page 82
- [set as-path prepend last-as tag](#), on page 83
- [set comm-list delete](#), on page 84
- [set community none additive internet local-AS](#), on page 85
- [set cos](#), on page 86
- [set cos](#), on page 87
- [set dampening](#), on page 88
- [set distance](#), on page 89
- [set extcomm-list delete](#), on page 90
- [set extcommunity 4byteas-generic transitive additive](#), on page 91
- [set extcommunity additive](#), on page 92
- [set extcommunity cost](#), on page 93

- [set extcommunity rt additive, on page 94](#)
- [set extension-key, on page 95](#)
- [set forwarding-address, on page 96](#)
- [set inner ipv4, on page 97](#)
- [set inner ipv4, on page 99](#)
- [set inner l2, on page 101](#)
- [set inner l2, on page 103](#)
- [set inner l2 hg2, on page 105](#)
- [set inner l2 hg2, on page 107](#)
- [set inner l4, on page 109](#)
- [set inner l4, on page 110](#)
- [set interface, on page 111](#)
- [set interval find-new-host, on page 112](#)
- [set interval pending-task-polling, on page 113](#)
- [set interval sync-full-info, on page 114](#)
- [set ip address prefix-list, on page 115](#)
- [set ip default next-hop, on page 116](#)
- [set ip default next-hop verify-availability, on page 117](#)
- [set ip next-hop, on page 118](#)
- [set ip next-hop peer-address, on page 119](#)
- [set ip next-hop redist-unchanged, on page 120](#)
- [set ip next-hop unchanged, on page 121](#)
- [set ip next-hop verify-availability, on page 122](#)
- [set ip precedence, on page 123](#)
- [set ipv6 address prefix-list, on page 124](#)
- [set ipv6 default next-hop, on page 125](#)
- [set ipv6 default next-hop verify-availability, on page 126](#)
- [set ipv6 next-hop, on page 127](#)
- [set ipv6 next-hop peer-address, on page 128](#)
- [set ipv6 next-hop redist-unchanged, on page 129](#)
- [set ipv6 next-hop unchanged, on page 130](#)
- [set ipv6 next-hop verify-availability, on page 131](#)
- [set ipv6 precedence, on page 132](#)
- [set label-index, on page 133](#)
- [set level level-1 level-1-2 level-2, on page 134](#)
- [set local-preference, on page 135](#)
- [set metric-type external internal type-1 type-2, on page 136](#)
- [set metric, on page 137](#)
- [set mpls-exp-topmost cos table exp-cos-map, on page 138](#)
- [set nssa-only, on page 139](#)
- [set origin egp, on page 140](#)
- [set origin egp igp incomplete, on page 141](#)
- [set outer ipv4, on page 142](#)
- [set outer l2, on page 144](#)
- [set outer l2 hg2, on page 146](#)
- [set outer l4, on page 148](#)

- [set path-selection all advertise](#), on page 149
- [set pktmgr pds yield-threshold](#), on page 150
- [set pktrw](#), on page 151
- [set sideband](#), on page 157
- [set tag](#), on page 160
- [set weight](#), on page 161
- [setup](#), on page 162
- [sflow](#), on page 163
- [sflow](#), on page 164
- [sflow cpu-usage limit](#), on page 165
- [sflow data-source interface](#), on page 166
- [sflow data-source interface](#), on page 167
- [sflow extended switch](#), on page 168
- [shape](#), on page 169
- [shared-secret](#), on page 171
- [shutdown](#), on page 172
- [shutdown](#), on page 173
- [shutdown](#), on page 174
- [shutdown](#), on page 175
- [shutdown](#), on page 176
- [shutdown](#), on page 177
- [shutdown](#), on page 178
- [shutdown](#), on page 179
- [shutdown](#), on page 180
- [shutdown](#), on page 181
- [shutdown](#), on page 182
- [shutdown](#), on page 183
- [shutdown](#), on page 184
- [shutdown](#), on page 185
- [shutdown](#), on page 186
- [shutdown](#), on page 187
- [shutdown](#), on page 188
- [shutdown](#), on page 189
- [shutdown](#), on page 190
- [shutdown](#), on page 191
- [shutdown](#), on page 192
- [shutdown](#), on page 193
- [shutdown](#), on page 194
- [shutdown](#), on page 195
- [shutdown](#), on page 196
- [shutdown](#), on page 197
- [shutdown](#), on page 198
- [shutdown](#), on page 199
- [shutdown](#), on page 200
- [shutdown](#), on page 201
- [shutdown](#), on page 202

- shutdown, on page 203
- shutdown, on page 204
- shutdown, on page 205
- shutdown, on page 206
- shutdown force, on page 207
- shutdown lan, on page 208
- shutdown lan, on page 209
- signalling advertise explicit-null, on page 210
- signalling client batch-time, on page 211
- signalling hello graceful-restart, on page 212
- signalling hello graceful-restart refresh interval, on page 213
- signalling hello graceful-restart refresh misses, on page 214
- signalling hello graceful-restart send recovery-time, on page 215
- signalling hello graceful-restart send restart-time, on page 216
- signalling hello reroute, on page 217
- signalling initial-retransmit-delay, on page 218
- signalling patherr state-removal, on page 219
- signalling rate-limit, on page 220
- signalling refresh interval, on page 221
- signalling refresh misses, on page 222
- signalling refresh pace, on page 223
- signalling refresh reduction, on page 224
- signalling refresh reduction ack-delay, on page 225
- signalling refresh reduction bundle-max-size, on page 226
- signalling refresh reduction bundle-transmit-time, on page 227
- signalling refresh reduction rapid-retransmit, on page 228
- signing level, on page 229
- site-id, on page 230
- site-of-origin, on page 231
- slave ipv4, on page 232
- sleep, on page 233
- sleep instance, on page 234
- slot, on page 235
- smart-channel, on page 236
- smart-channel internal debug param, on page 237
- smart-channel port-group, on page 238
- smtp-host smtp-port reply-to from, on page 239
- snapshot create, on page 240
- snapshot delete, on page 241
- snapshot delete ALL, on page 242
- snapshot section add, on page 243
- snapshot section delete, on page 244
- snmp-server aaa-user cache-timeout, on page 245
- snmp-server community, on page 246
- snmp-server community, on page 247
- snmp-server community use-acl, on page 248

- [snmp-server contact](#), on page 249
- [snmp-server context](#), on page 250
- [snmp-server context type len val](#), on page 251
- [snmp-server counter cache-enable](#), on page 252
- [snmp-server counter cache enable](#), on page 253
- [snmp-server counter cache timeout](#), on page 254
- [snmp-server enable traps](#), on page 255
- [snmp-server enable traps bgp](#), on page 256
- [snmp-server enable traps bgp cbgp2](#), on page 257
- [snmp-server enable traps bgp cbgp2 threshold prefix](#), on page 258
- [snmp-server enable traps bgp threshold prefix](#), on page 259
- [snmp-server enable traps eigrp](#), on page 260
- [snmp-server enable traps ospf](#), on page 261
- [snmp-server enable traps ospf lsa](#), on page 262
- [snmp-server enable traps ospf rate-limit](#), on page 263
- [snmp-server enable traps ospfv3](#), on page 264
- [snmp-server enable traps ospfv3 lsa](#), on page 265
- [snmp-server enable traps ospfv3 rate-limit](#), on page 266
- [snmp-server enable traps storm-control trap-rate](#), on page 267
- [snmp-server engineID local](#), on page 268
- [snmp-server force-unload-feature](#), on page 269
- [snmp-server globalEnforcePriv](#), on page 270
- [snmp-server host](#), on page 271
- [snmp-server host filter-vrf](#), on page 272
- [snmp-server host source](#), on page 273
- [snmp-server host use-vrf](#), on page 274
- [snmp-server host use_vrf](#), on page 275
- [snmp-server load-cond-feature](#), on page 276
- [snmp-server load-mib](#), on page 277
- [snmp-server location](#), on page 278
- [snmp-server mib community-map context](#), on page 279
- [snmp-server mib mpls vpn max-threshold](#), on page 280
- [snmp-server protocol enable](#), on page 281
- [snmp-server source-interface informs](#), on page 282
- [snmp-server source-interface traps](#), on page 283
- [snmp-server system-shutdown](#), on page 284
- [snmp-server tcp-session](#), on page 285
- [snmp-server user](#), on page 286
- [snmp-server user](#), on page 287
- [snmp-trap event-type policy-name](#), on page 289
- [snmp ifmib ifalias long](#), on page 290
- [snmp trap link-status](#), on page 291
- [snmp trap link-status](#), on page 292
- [snmp trap link-status](#), on page 293
- [snmp trap link-status](#), on page 294
- [snmp trap link-status](#), on page 295

- snmp trap link-status, on page 296
- snsr-grp sample-interval, on page 297
- sockets internal event-history size, on page 298
- sockets local-port-range, on page 299
- soft-reconfiguration inbound, on page 300
- soft-reconfiguration inbound, on page 301
- soo auto, on page 302
- sort, on page 303
- source-group, on page 304
- source-interface, on page 305
- source-interface, on page 306
- source-interface, on page 307
- source-interface hold-down-time, on page 308
- source, on page 309
- source, on page 310
- source, on page 311
- source, on page 312
- source, on page 313
- source copy-sys, on page 314
- source filter ip, on page 315
- source filter ip any any, on page 316
- spanning-tree bpdudfilter, on page 317
- spanning-tree bpduguard, on page 318
- spanning-tree bridge-domain, on page 319
- spanning-tree bridge assurance, on page 320
- spanning-tree cost, on page 321
- spanning-tree cost auto, on page 322
- spanning-tree domain, on page 323
- spanning-tree domain clear statistics, on page 324
- spanning-tree fcoe, on page 325
- spanning-tree guard, on page 326
- spanning-tree lc-issu, on page 327
- spanning-tree lc-issu, on page 328
- spanning-tree link-type, on page 329
- spanning-tree loopguard default, on page 330
- spanning-tree mode, on page 331
- spanning-tree mst configuration, on page 332
- spanning-tree mst configuration, on page 333
- spanning-tree mst cost, on page 334
- spanning-tree mst cost auto, on page 335
- spanning-tree mst forward-time, on page 336
- spanning-tree mst hello-time, on page 337
- spanning-tree mst max-age, on page 338
- spanning-tree mst max-hops, on page 339
- spanning-tree mst port-priority, on page 340
- spanning-tree mst pre-standard, on page 341

- [spanning-tree mst priority](#), on page 342
- [spanning-tree mst root](#), on page 343
- [spanning-tree mst simulate pvst](#), on page 344
- [spanning-tree mst simulate pvst global](#), on page 345
- [spanning-tree pathcost method](#), on page 346
- [spanning-tree port-priority](#), on page 347
- [spanning-tree port type](#), on page 348
- [spanning-tree port type edge bpdudfilter default](#), on page 349
- [spanning-tree port type edge bpduguard default](#), on page 350
- [spanning-tree port type edge default](#), on page 351
- [spanning-tree port type edge trunk](#), on page 352
- [spanning-tree port type network default](#), on page 353
- [spanning-tree portfast](#), on page 354
- [spanning-tree portfast bpdudfilter default](#), on page 355
- [spanning-tree portfast bpduguard default](#), on page 356
- [spanning-tree portfast default](#), on page 357
- [spanning-tree pseudo-information](#), on page 358
- [spanning-tree vlan](#), on page 359
- [spanning-tree vlan forward-time](#), on page 360
- [spanning-tree vlan hello-time](#), on page 361
- [spanning-tree vlan max-age](#), on page 362
- [spanning-tree vlan priority](#), on page 363
- [spanning-tree vlan root](#), on page 364
- [speed-group](#), on page 365
- [speed](#), on page 366
- [speed](#), on page 367
- [speed](#), on page 368
- [speed](#), on page 369
- [speed](#), on page 370
- [speed](#), on page 371
- [speed](#), on page 372
- [speed](#), on page 373
- [speed auto](#), on page 374
- [speed auto 100](#), on page 375
- [speed auto 100 1000](#), on page 376
- [speed auto 100 1000](#), on page 377
- [speed auto 100](#), on page 378
- [speed auto](#), on page 379
- [spf-interval](#), on page 380
- [spf-interval](#), on page 381
- [spf mode incremental](#), on page 382
- [spf mode incremental](#), on page 383
- [spine-anycast-gateway](#), on page 384
- [sport](#), on page 385
- [sprom backplane](#), on page 386
- [sprom recover backplane](#), on page 387

- ssh, on page 388
- ssh6, on page 389
- ssh cipher-mode weak, on page 390
- ssh key dsa, on page 391
- ssh login-attempts, on page 392
- ssh server enable, on page 393
- standby, on page 394
- standby, on page 395
- standby, on page 396
- start, on page 397
- start, on page 398
- start, on page 399
- start, on page 400
- start, on page 401
- start, on page 402
- start, on page 403
- state enabled, on page 404
- stateful-ha, on page 405
- stateful-ha, on page 406
- statistics, on page 407
- statistics, on page 408
- statistics, on page 409
- statistics collection-interval, on page 410
- statistics per-entry, on page 411
- statistics per-entry, on page 412
- statistics per-entry, on page 413
- stats-reporting-period, on page 414
- status, on page 415
- status, on page 416
- status, on page 417
- status, on page 418
- status, on page 419
- status, on page 420
- status, on page 421
- stopbits 1, on page 422
- stopbits 1, on page 423
- storm-control-cpu, on page 424
- storm-control, on page 425
- streetaddress, on page 426
- stub, on page 427
- sub-switch vlan, on page 428
- subscription, on page 429
- summary-address, on page 430
- summary-address, on page 431
- summary-address, on page 432
- summary-address, on page 433

- `suppress-arp`, on page 434
- `suppress-fib-pending`, on page 435
- `suppress-fib-pending`, on page 436
- `suppress-inactive`, on page 437
- `suppress-inactive`, on page 438
- `suppress-signaling-protocol ldp`, on page 439
- `suppress mac-route`, on page 440
- `switch-id`, on page 441
- `switch-priority`, on page 442
- `switch-profile`, on page 443
- `switch-profile`, on page 444
- `switch-scope controller`, on page 445
- `switch pipeline`, on page 446
- `switchback`, on page 447
- `switching-mode fabric-speed 40g`, on page 448
- `switching-mode store-forward`, on page 449
- `switchport`, on page 450
- `switchport`, on page 451
- `switchport autostate exclude`, on page 452
- `switchport block unicast`, on page 453
- `switchport dot1q ethertype`, on page 454
- `switchport dot1q ethertype`, on page 455
- `switchport host`, on page 456
- `switchport isolated`, on page 457
- `switchport mac-learn disable`, on page 458
- `switchport mode`, on page 459
- `switchport mode`, on page 460
- `switchport mode fabricpath`, on page 461
- `switchport mode monitor buffer-limit`, on page 462
- `switchport mode private-vlan`, on page 463
- `switchport mode private-vlan trunk`, on page 464
- `switchport port-security`, on page 465
- `switchport port-security aging time`, on page 466
- `switchport port-security aging type absolute`, on page 467
- `switchport port-security mac-address`, on page 468
- `switchport port-security mac-address sticky`, on page 469
- `switchport port-security maximum`, on page 470
- `switchport port-security violation`, on page 471
- `switchport private-vlan association trunk`, on page 472
- `switchport private-vlan host-association`, on page 473
- `switchport private-vlan mapping`, on page 474
- `switchport private-vlan mapping trunk`, on page 475
- `switchport private-vlan trunk allowed vlan`, on page 476
- `switchport private-vlan trunk native vlan`, on page 477
- `switchto vdc`, on page 478
- `sync-peers destination`, on page 479

- `sync-snmp-password`, on page 480
- `sync-snmp-password`, on page 481
- `sync-snmp-password`, on page 482
- `syslog`, on page 483
- `system-mac`, on page 485
- `system-mac`, on page 486
- `system-priority`, on page 487
- `system`, on page 488
- `system auto-collect tech-support`, on page 490
- `system cores`, on page 491
- `system cores retain`, on page 492
- `system default interface`, on page 493
- `system default switchport`, on page 494
- `system default switchport fabricpath`, on page 495
- `system default switchport shutdown`, on page 496
- `system dme enable`, on page 497
- `system dot1q-tunnel transit`, on page 498
- `system fabric-mode full-rate`, on page 499
- `system fast-reload stabilization-timer`, on page 500
- `system hap-reset`, on page 501
- `system hap-reset`, on page 502
- `system health check bootflash`, on page 503
- `system heartbeat`, on page 504
- `system heartbeat`, on page 505
- `system high-multicast-priority`, on page 506
- `system inband queuing`, on page 507
- `system inband queuing`, on page 508
- `system interface shutdown`, on page 509
- `system internal aclmgr global lock session`, on page 510
- `system internal aclmgr inject`, on page 511
- `system internal aclmgr remove policies interface`, on page 512
- `system internal aclmgr vcache`, on page 513
- `system internal clis event-history size`, on page 514
- `system internal npacl event-history size`, on page 515
- `system internal policy-resync module`, on page 516
- `system internal snapshot service`, on page 517
- `system jumbomtu`, on page 518
- `system kernel-trace`, on page 519
- `system kgdb`, on page 520
- `system kgdb`, on page 521
- `system login block-for`, on page 522
- `system login block-for attempts within`, on page 523
- `system login quiet-mode`, on page 524
- `system login quiet-mode access-class`, on page 525
- `system memory-thresholds minor severe critical`, on page 526
- `system minlife`, on page 527

- system mode maintenance, on page 528
- system mode maintenance always-use-custom-profile, on page 529
- system mode maintenance on-reload reset-reason, on page 530
- system mode maintenance snapshot-delay, on page 531
- system mode maintenance timeout, on page 532
- system module failure-action shutdown, on page 533
- system mrouting performance-mode, on page 534
- system nve drop-glean, on page 535
- system nve ecmp-reuse, on page 536
- system nve infra-vlans, on page 537
- system nve infra-vlans force, on page 538
- system nve ingress-replication round-robin, on page 539
- system nve ipmc global index-size, on page 540
- system nve mac-learn-disable, on page 541
- system nve mac-nat-enable, on page 542
- system nve peer-vni-counter, on page 543
- system nve policy-install-all, on page 544
- system offline, on page 545
- system private-vlan fex trunk, on page 546
- system pss shrink, on page 547
- system qos, on page 548
- system release mod-lock uuid nodeid, on page 549
- system restart vdc service name, on page 550
- system routing performance-mode, on page 551
- system routing unknown-unicast-flood, on page 552
- system shutdown fan-direction mismatch, on page 553
- system standby manual-boot, on page 554
- system standby manual-boot, on page 555
- system standby reload vdc, on page 556
- system startup-config init, on page 557
- system startup-config kill config-update, on page 558
- system startup-config unlock, on page 559
- system statistics, on page 560
- system statistics, on page 561
- system switch-mode, on page 562
- system switchover, on page 563
- system switchover force, on page 564
- system swover-timeout-reset, on page 565
- system trace, on page 566
- system urpf disable, on page 567
- system vlan reserve, on page 568
- system vrf-member-change retain-l3-config, on page 569
- system watchdog, on page 570
- system watchdog, on page 571
- system watchdog kgdb, on page 572
- system watchdog kgdb, on page 573

sak-expiry-time

[no] sak-expiry-time <ts>

Syntax Description

Syntax Description	sak-expiry-time	Time in seconds to force SAK rekey
	<i>ts</i>	time in seconds

Command Mode

- /exec/configure/macsec-policy

sampler

[no] sampler <samplername>

Syntax Description

Syntax Description

sampler	Define a Sampler
---------	---------------------

<i>samplername</i>	Name of sampler
--------------------	--------------------

Command Mode

- /exec/configure

sap hash-algorithm HMAC-SHA-1

{ [no] sap hash-algorithm HMAC-SHA-1 } | { sap hash-algorithm HMAC-MD5 }

Syntax Description

Syntax Description

sap	Specify preferred SAP negotiation parameters
hash-algorithm	Hashing Algorithm to use during SAP protocol
HMAC-SHA-1	use HMAC-SHA-1 for hashing (default is HMAC-MD5)
HMAC-MD5	use HMAC-MD5 for hashing

Command Mode

- /exec/configure/cts-dot1x /exec/configure/cts-manual

sap modelist

[no] sap modelist <mode_opt>

Syntax Description

Syntax Description	
sap	Specify preferred SAP negotiation parameters
modelist	encryption mode
<i>mode_opt</i>	modelist options

Command Mode

- /exec/configure/cts-dot1x

sap pmk sap pmk use-dot1x

```
sap pmk <pmk> [ left-zero-padded ] [ modelist <mode_opt> ] | sap pmk use-dot1x [ modelist <mode_opt> ]
| no sap
```

Syntax Description

Syntax Description

sap	Specify preferred SAP negotiation parameters
pmk	pairwise master key
<i>pmk</i>	32 byte value specified as a string
left-zero-padded	(Optional) Pad with zeros on the left if PMK length is less than 32 bytes
modelist	(Optional) encryption mode
<i>mode_opt</i>	(Optional) modelist options
<i>modelist</i>	(Optional) <mode_opt>
use-dot1x	Use pmk generated after dot1x authentication. Use dot1x commands to configure dot1x on this port

Command Mode

- /exec/configure/cts-manual

save

save <uri0>

Syntax Description

Syntax Description

save Save the current configuration session to uri

uri0 Enter the complete uri where the session is to be stored

Command Mode

- /exec/configure

scale-factor module

[no] scale-factor <sf-value> module <module-number>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
scale-factor		Scale factor
<i>sf-value</i>		Specify scale factor value from 0.10 to 2.00
module		Module
<i>module-number</i>		specify module number

Command Mode

- /exec/configure/ctrl-plane

scheduler aaa-authentication

```
{ scheduler aaa-authentication { password { 0 <s0> | 7 <s1> | <s2> } | username <s3> password { 01 <s4> |
71 <s5> | <s6> } } | no scheduler aaa-authentication { password [ { 0 <s0> | 7 <s1> | <s2> } ] | username <s3>
password [ { 01 <s4> | 71 <s5> | <s6> } ] } }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
scheduler	Config commands for scheduler
aaa-authentication	Password for AAA authentication(of logged in user)
password	Specify the password of logged in user(for AAA authentication)
0	Password (clear text) of logged in user
s0	password (clear text) of logged in user
7	Encrypted password of logged in user
s1	Encrypted password (for AAA authentication)
s2	Password (clear text) of logged in user
username	logged in user name
s3	user name (for AAA authentication)
password	Specify the password of logged in user(for AAA authentication)
01	Password (clear text) of logged in user
s4	password (clear text) of logged in user
71	Encrypted password of logged in user
s5	Encrypted password (for AAA authentication)
s6	Password (clear text) of logged in user

Command Mode

- /exec/configure

scheduler enable

[no] scheduler enable

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	scheduler	Config commands for scheduler
	enable	Command to enable/disable features

Command Mode

- /exec/configure

scheduler job name

[no] scheduler job name <s0>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	scheduler	Config commands for scheduler
	job	Define a job
	name	Specify a name for the job
	s0	Name of the job

Command Mode

- /exec/configure

scheduler logfile size

{ scheduler logfile size <i0> | no scheduler logfile size [<i0>] }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
scheduler		Config commands for scheduler
logfile		Scheduler log file configuration
size		Specify the log file size
<i>i0</i>		Size of the file in KB

Command Mode

- /exec/configure

scheduler schedule name

[no] scheduler schedule name <s0>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	scheduler	Config commands for scheduler
	schedule	Define a schedule
	name	Specify a name for the schedule
	s0	Name of the schedule

Command Mode

- /exec/configure

scheduler transport email

```
{ scheduler transport email { from <s0> | reply-to <s1> | smtp-server <host0> [ port <i1> ] } | no scheduler transport email { from | reply-to | smtp-server } }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
scheduler	Config commands for scheduler
transport	Configure transport related configuration
email	Configure email transport related configuration
from	Configure from email address
s0	Provide from email address, example: SJ-9500-1@xyz.com
reply-to	Configure replyto email address
s1	Provide reply-to email address, example: admin@xyz.com
smtp-server	Configure SMTP server address
host0	SMTP server(DNS name or IPv4 or IPv6 address)
port	(Optional) Configure SMTP server port (default:25)
i1	(Optional) SMTP server port

Command Mode

- /exec/configure

scp

scp [<recurse>] <from> [<hyphen>] <src-path>

Syntax Description

Syntax Description

scp Launch scp subsystem

recurse (Optional) -r recurse

from -f scp from

hyphen (Optional) --

src-path from URL

Command Mode

- /exec

scp

scp [<recurse>] [<directory>] [<verbose>] <to> [<hyphen>] <dst-path>

Syntax Description

Syntax Description	scp	Launch scp subsystem
<i>recurse</i>	(Optional) -r	recurse
<i>directory</i>	(Optional) -d	directory
<i>verbose</i>	(Optional) -v	verbose
<i>to</i>	-t	scp to
<i>hyphen</i>	(Optional) --	
<i>dst-path</i>		to URL

Command Mode

- /exec

scripting tcl init

scripting tcl init <uri0> | no scripting tcl init

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	scripting	Configure scripting parameters
	tcl	Specify scripting parameter for tcl
	init	Specify init parameters
	<i>uri0</i>	Tcl init script name

Command Mode

- /exec

scripting tcl recursion-limit

scripting tcl recursion-limit <limit> | no scripting tcl recursion-limit

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
scripting		Configure scripting parameters
tcl		Specify scripting parameter for tcl
recursion-limit		Specify recursion-limit
<i>limit</i>		Specify limit

Command Mode

- /exec

search

search <failure_desc>

Syntax Description

Syntax Description

search	Search for information
--------	------------------------

<i>failure_desc</i>	Brief problem description
---------------------	---------------------------

Command Mode

- /exec

section

| section <pattern>

Syntax Description

Syntax Description

| Pipe command output to filter

section show lines that include the pattern as well as the subsequent lines that are more indented than matching line

pattern the pattern (regular expression) to match

Command Mode

- /output

secure-handoff

{ [no] secure-handoff }

Syntax Description

Syntax Description

no (Optional) Negate a command or set its defaults

secure-handoff Confirm dynamic-eid discovery by probing for remote host

Command Mode

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

security-policy

[no] security-policy <policy>

Syntax Description

Syntax Description

security-policy Configure Security
policy

policy Security Policy options

Command Mode

- /exec/configure/macsec-policy

sed

| sed [-n] + <expr>

Syntax Description

Syntax Description

| Pipe command output to filter

sed Stream Editor

-n (Optional) suppress automatic printing of pattern space

expr Edition command (script)

Command Mode

- /output

segment-routing mpls

[no] segment-routing mpls

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
segment-routing	segment-routing properties
mpls	MPLS configuration commands

Command Mode

- /exec/configure

send-community

[no | default] send-community [both | standard]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
default	(Optional)	Inherit values from a peer template
send-community		Send Community attribute to this neighbor
both	(Optional)	Send Standard and Extended Community attributes
standard	(Optional)	Send Standard Community attribute

Command Mode

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

send-community

[no | default] send-community [both | extended | standard]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
default	(Optional)	Inherit values from a peer template
send-community		Send Community attribute to this neighbor
both	(Optional)	Send Standard and Extended Community attributes
extended	(Optional)	Send Extended Community attribute
standard	(Optional)	Send Standard Community attribute

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

send-community extended

[no | default] send-community extended

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
default	(Optional)	Inherit values from a peer template
send-community	Send Community	attribute to this neighbor
extended	Send Extended Community	attribute

Command Mode

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

send-lifetime month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l duration infinite month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l

```
{ { send-lifetime [ local ] <stime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <sday> <syyear> { duration <dsec> | infinite | <etime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <eday> <eyear> } } | { no send-lifetime [ [ local ] <stime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <sday> <syyear> { duration <dsec> | infinite | <etime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <eday> <eyear> } ] } }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
send-lifetime	Set send lifetime of key
local	(Optional) Specify time in local timezone
<i>stime</i>	HH:MM:SS Time to start <0-23>:<0-59>:<0-59>
<i>etime</i>	HH:MM:SS Time to end <0-23>:<0-59>:<0-59>
month_a	
month_b	
month_c	
month_d	
month_e	
month_f	
month_g	
month_h	
month_i	
month_j	
month_k	
month_l	
<i>sday</i>	Day of the month to start

send-lifetime month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l duration infinite month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l

<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to end
<i>duration</i>	Set key lifetime duration
<i>dsec</i>	Duration in seconds
<i>infinite</i>	Never Expires

Command Mode

- /exec/configure/keychain-key

send-lifetime month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l duration infinite month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l

```
{ { send-lifetime [ local ] <stime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <sday> <syear> { duration <dsec> | infinite | <etime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <eday> <eyear> } } | { no send-lifetime [ [ local ] <stime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <sday> <syear> { duration <dsec> | infinite | <etime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <eday> <eyear> } ] } }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
send-lifetime	Set send lifetime of macsec key
local	(Optional) Specify time in local timezone
<i>stime</i>	HH:MM:SS Time to start <0-23>:<0-59>:<0-59>
<i>etime</i>	HH:MM:SS Time to end <0-23>:<0-59>:<0-59>
month_a	
month_b	
month_c	
month_d	
month_e	
month_f	
month_g	
month_h	
month_i	
month_j	
month_k	
month_l	
<i>sday</i>	Day of the month to start

send-lifetime month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l duration infinite month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l

<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to end
<i>duration</i>	Set key lifetime duration
<i>dsec</i>	Duration in seconds
<i>infinite</i>	Never Expires

Command Mode

- /exec/configure/macseckeychain-key

send

send <line>

Syntax Description

Syntax Description

send Send message to open sessions

line Send message (a line) to all open sessions

Command Mode

- /exec

send session

send session <s0> <line>

Syntax Description

Syntax Description

send Send message to open sessions

session Send message to specific session

s0 Specify pts/tty device type

line Enter a one line message

Command Mode

- /exec

sensor-group

[no] sensor-group <grp-id>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	sensor-group	Create a sensor group

Command Mode

- /exec/configure/telemetry

server

[no] server { <hostipname> }

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	server	TACACS+ server name or IP address
	<i>hostipname</i>	IPV4/IPV6 address or DNS name

Command Mode

- /exec/configure/tacacs+

server

[no] server <host0>

Syntax Description

Syntax Description	no (Optional) Negate a command or set its defaults
	server LDAP server name
	<i>host0</i> LDAP server name

Command Mode

- /exec/configure/ldap

server

[no] server <hostname>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	server	RADIUS server name or IP address
	<i>hostname</i>	IPV4/IPV6 address or DNS name

Command Mode

- /exec/configure/radius

server protocol ldap

```
[no] server protocol ldap { ipv6 <ipv6addr> | ip <ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ enable-ssl ]
```

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
server		Configure database server
protocol		Configure database protocol
ldap		Use LDAP
ipv6		IPv6 address of server
ip		IP address of server
<i>ipaddr</i>		Enter IP address of server
host		Hostname of server
<i>hostname</i>		Enter hostname of server
port	(Optional)	Port
<i>portnum</i>	(Optional)	Enter port number
vrf	(Optional)	vrf context
<i>vrf-name</i>	(Optional)	VRF name
<i>vrf-known-name</i>	(Optional)	Known VRF name
enable-ssl	(Optional)	LDAP server enable ssl

Command Mode

- /exec/configure/fabric-db

server protocol radius group

[no] server protocol radius group <groupname>

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
server	Configure database server	
protocol	Configure database protocol	
radius	Use RADIUS	
group	AAA group	
<i>groupname</i>	Enter AAA group name of servers	

Command Mode

- /exec/configure/fabric-db

server protocol xmpp ip

```
[no] server protocol xmpp { ip <ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
server		Configure database server
protocol		Configure database protocol
xmpp		Use XMPP
ip		IP address of server
<i>ipaddr</i>		Enter IP address of server
host		Hostname of server
<i>hostname</i>		Enter hostname of server
port	(Optional)	Port
<i>portnum</i>	(Optional)	Enter port number
vrf	(Optional)	vrf context
<i>vrf-name</i>	(Optional)	VRF name
<i>vrf-known-name</i>	(Optional)	Known VRF name

Command Mode

- /exec/configure/fabric-db

service-policy

[no] service-policy [type qos] <inp-or-out> <pmap-name-qos> [no-stats]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
service-policy		Configure service policy for an interface
type	(Optional)	Specify the type of this policy
qos	(Optional)	Qos policy
<i>inp-or-out</i>		
<i>pmap-name-qos</i>	Policy-map name __nil__	You must create a policy-map before using this command
no-stats	(Optional)	Disable statistics for this policy

Command Mode

- /exec/configure/if-set-qos /exec/configure/if-remote-ethernet /exec/configure/if-remote-ethernet-switch

service-policy

[no] service-policy [type qos] <inp-or-out> <pmap-name-qos> [no-stats]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
service-policy	Configure service policy for an interface
type	(Optional) Specify the type of this policy
qos	(Optional) Qos policy
<i>inp-or-out</i>	
<i>pmap-name-qos</i>	Policy-map name __nil__ You must create a policy-map before using this command
no-stats	(Optional) Disable statistics for this policy

Command Mode

- /exec/configure/vlan

service-policy

[no] service-policy [type qos] <pmap-name-qos>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
service-policy		Configure hierarchial policy-map
type	(Optional)	Specify the type of this policy
qos	(Optional)	Qos policy
<i>pmap-name-qos</i>		Policy-map name

Command Mode

- /exec/configure/policy-map/class

service-policy input

[no] service-policy input <policy_name>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	service-policy	Attach a policy to control-plane interface
	input	Input the policy name
	<i>policy_name</i>	Name of the policy

Command Mode

- /exec/configure/ctrl-plane

service-policy type network-qos

[no] service-policy type network-qos <pmap-name-nq>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
service-policy	Policy Map
type	Specify the type of this policy-map
network-qos	Network QoS policy
<i>pmap-name-nq</i>	Policy-map name

Command Mode

- /exec/configure/system/qos

service-policy type psp

```
[no] service-policy type psp <inp-or-out> { <pmap-name-plc> | { handle <ppf_id> } }
```

Syntax Description

Syntax Description

<code>no</code>	(Optional) Negate a command or set its defaults
<code>service-policy</code>	Configure service policy for an interface
<code>type</code>	Specify the type of this policy
<code>psp</code>	PSP policy
<i>inp-or-out</i>	
<i>pmap-name-plc</i>	Policy-map name <code>__nil__</code> You must create a policy-map before using this command
<code>handle</code>	Handle
<i>ppf_id</i>	PPF ID

Command Mode

- /exec/configure/if-set-qos

service-policy type qos

[no] service-policy type qos <inp-only> <pmap-name-qos>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
service-policy	Policy Map
type	Specify the type of this policy-map
qos	System-level QoS policy
<i>inp-only</i>	
<i>pmap-name-qos</i>	Policy-map name __nil__ You must create a policy-map before using this command

Command Mode

- /exec/configure/system/qos

service-policy type queuing

[no] service-policy type queuing <inp-or-out> <pmap-name-que> [no-stats]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
service-policy		Configure service policy for an interface
type		Specify the type of this policy
queuing		Queuing policy
<i>inp-or-out</i>		
<i>pmap-name-que</i>		Policy-map name
no-stats	(Optional)	Disable statistics for this policy

Command Mode

- /exec/configure/if-set-que

service-policy type queuing

[no] service-policy type queuing <pmap-name-que>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
service-policy		Set the inner policy-map
type		Specify the type of this policy
queuing		Queuing policy
<i>pmap-name-que</i>	Policy-map name __nil__	You must create a policy-map before using this command

Command Mode

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

service-policy type queuing

[no] service-policy type queuing <inp-or-out> <pmap-name-que>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
service-policy		Policy Map
type		Specify the type of this policy-map
queuing		DCE Queuing policy
<i>inp-or-out</i>		
<i>pmap-name-que</i>		Policy-map name

Command Mode

- /exec/configure/system/qos

service dhcp

[no] service dhcp

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	service	Modify use of network based services
	dhcp	Enable DHCP relay agent

Command Mode

- /exec/configure

service set

[no] service set <onep-service-set>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
service		ONEP service set
set		ONEP service set
<i>onep-service-set</i>		service name

Command Mode

- /exec/configure/onep

service tag

{ service tag <tag-id> } | { no service tag }

Syntax Description

Syntax Description	Description
no	Negate a command or set its defaults
service	Configure ngoam service
tag	Configure ngoam service tag
tag-id	Configure ngoam service tag id

Command Mode

- /exec/configure/configngoamprofile

service unsupported-transceiver

[no] service unsupported-transceiver

Syntax Description

Syntax Description		
	no	(Optional) Negate a command or set its defaults
	service	Serviceability Commands
	unsupported-transceiver	Configure support for transceivers not supported by Cisco

Command Mode

- /exec/configure

session-limit

[no] session-limit <i0>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	session-limit	Set the max no of concurrent vsh sessions
	<i>i0</i>	Max concurrent vsh sessions

Command Mode

- /exec/configure/line

session domain-lookup

session domain-lookup | no session domain-lookup

Syntax Description

Syntax Description		
session		Configure session preferences
no		Negate a command or set its defaults
domain-lookup	Session	

Command Mode

- /exec

session key-required

[no] session key-required

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
session		One Platform session
key-required		Disable session key

Command Mode

- /exec/configure/onep

session max

session max <onep-maxsess>

Syntax Description

Syntax Description		
session		One Platform session
max		Maximum number of sessions
<i>onep-maxsess</i>		Number of sessions

Command Mode

- /exec/configure/onep

session max

[no] session max [<onep-maxsess>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
session		One Platform session
max		Maximum number of sessions
<i>onep-maxsess</i>	(Optional)	Number of sessions

Command Mode

- /exec/configure/onep

session protection

```
[no] session protection [ vrf { <vrf-name> | <vrf-known-name> } ] [ for <pfx-list> ] [ duration { <secs> |
infinite } ]
```

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
session		Configure session parameters
protection		Configure session protection parameters
vrf	(Optional)	VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional)	VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional)	Known VRF name
for	(Optional)	Prefix list to specify LDP peers
<i>pfx-list</i>	(Optional)	Prefix list for LDP peers
duration	(Optional)	Period to sustain session protection after loss of link discovery
<i>secs</i>	(Optional)	Holdup time in seconds
infinite	(Optional)	Protect session forever after loss of link discovery

Command Mode

- /exec/configure/ldp

set-attached-bit

[no] set-attached-bit

Syntax Description

Syntax Description

no (Optional) Negate a command or set its defaults

set-attached-bit Configure L1|L2 router to set/unset attached bit in its L1 LSP

Command Mode

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

set-overload-bit

```
[no] set-overload-bit | [ no ] set-overload-bit { always | on-startup { <secs> | [ <seconds> ] wait-for bgp <as>
} } [ suppress { [ interlevel ] [ external ] } ]
```

Syntax Description

Syntax Description	Description
no	Negate a command or set its defaults
set-overload-bit	Signal other routers not to use us for transit
always	Set the overload bit unconditionally
on-startup	Set the overload bit on IS-IS startup
<i>secs</i>	Clear the overload bit after an elapsed time in seconds
wait-for	Clear the overload bit when notified by a specific protocol
bgp	Border Gateway Protocol (BGP)
<i>seconds</i>	(Optional) Clear the overload bit after an elapsed time in seconds
<i>as</i>	Autonomous system number
suppress	(Optional) Suppress route redistribution if overload bit set
interlevel	(Optional) Suppress interlevel route redistribution
external	(Optional) Suppress external route redistribution

Command Mode

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

set

set <paramname> <paramval>

Syntax Description

Syntax Description

set	Set the parameter value
-----	-------------------------

<i>paramname</i>	Enter the name of the parameter
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<i>paramval</i>	Enter the parameter value
-----------------	---------------------------

Command Mode

- /exec/configure/param-inst

set

```
[no] set { { cos <cos-val> } | { eth-src-mac-addr <src-mac-addr> } | { eth-dest-mac-addr <dest-mac-addr> }
| { vlan <vlan-number> } | { ip-tos <ip-tos-value> <ip-tos-mask> } | { out-interface <iface-list> } | { dscp [
tunnel ] { <dscp-val> | <dscp-enum> } } | { precedence [ prec-tunnel ] { <prec-val> | <prec-enum> } } | {
discard-class <dis-class-val> } | { qos-group <qos-grp-val> } | { { { cos1 cos2 } | { dscp1 dscp2 } | { prec1
prec2 } | { dis-class1 dis-class2 } | { dscp3 mpls-exp-imposition } | { mpls-exp-topmost dscp4 } | {
mpls-exp-topmost1 mpls-exp-topmost2 } } } | { mpls experimental { { topmost <exp-value> } | { imposition
<exp-value-imp> } } } | action-strip-vlan | action-drop-pkt | divert-action | copy-action | action-decrement-ttl
| forward-normal | goto-pmap <pmap-table-handle> }
```

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q class of service
cos1	IEEE 802.1Q class of service
cos2	IEEE 802.1Q class of service
<i>cos-val</i>	802.1Q Class of Service value
eth-dest-mac-addr	Action on Layer 2 destination MAC address
eth-src-mac-addr	Action on Layer 2 source MAC address
<i>src-mac-addr</i>	Layer 2 MAC Address
<i>dest-mac-addr</i>	Layer 2 MAC Address
vlan	Set the VLAN ID
<i>vlan-number</i>	VLAN NUMBER
ip-tos	Set the IPv4 TOS
<i>ip-tos-value</i>	IPv4 TOS Value
<i>ip-tos-mask</i>	IPV4 TOS Mask
out-interface	Output to a Specified Interface
<i>iface-list</i>	Physical Interface Name and Number or List
action-strip-vlan	Perform the action STRIP-VLAN-ID
action-drop-pkt	Perform the action Drop the Packet
divert-action	Divert the packets to Controller
copy-action	Copy the packets to Controller

action-decrement-ttl	Decrement TTL on the Packet
forward-normal	Forward the packets normally
goto-pmap	Goto pmap/table
<i>pmap-table-handle</i>	Pmap-table handle
dscp	DSCP in IP(v4) and IPv6 packets
dscp1	DSCP in IP(v4) and IPv6 packets
dscp2	DSCP in IP(v4) and IPv6 packets
tunnel	(Optional) Set DSCP in tunnel encapsulation
<i>dscp-val</i>	DSCP value
<i>dscp-enum</i>	
precedence	Precedence in IP(v4) and IPv6 packets
prec1	Precedence in IP(v4) and IPv6 packets
prec2	Precedence in IP(v4) and IPv6 packets
prec-tunnel	(Optional) Set Precedence in tunnel encapsulation
<i>prec-val</i>	IP Precedence value
<i>prec-enum</i>	
discard-class	Discard class
dis-class1	Discard class
dis-class2	Discard class
<i>dis-class-val</i>	Discard class value
qos-group	Qos-group
<i>qos-grp-val</i>	Qos-group value
mpls	Set MPLS label
experimental	Set MPLS experimental label
topmost	Set MPLS topmost label
imposition	Push the label and set new one on top
<i>exp-value</i>	MPLS value
<i>exp-value-imp</i>	MPLS value
dscp3	DSCP in IP(v4) and IPv6 packets

mpls-exp-imposition mpls-exp-imposition

mpls-exp-topmost mpls-exp-topmost

dscp4 DSCP in IP(v4) and IPv6 packets

mpls-exp-topmost1 mpls-exp-topmost

mpls-exp-topmost2 mpls-exp-topmost

Command Mode

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

set

```
[no] set { { cos [ inner ] <cos-val> } | { dscp [ tunnel ] { <dscp-val> | <opt_set_dscp> } } | { precedence [
tunnel1 ] { <prec-val> | <opt_set_prec> } } }
```

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set attribute	
cos	IEEE 802.1Q class of service	
inner	(Optional) Set inner 802.1Q class of service in QinQ environment	
<i>cos-val</i>	802.1Q Class of Service value	
dscp	DSCP in IP(v4) and IPv6 packets	
tunnel	(Optional) Set DSCP in tunnel encapsulation	
<i>dscp-val</i>	DSCP value	
<i>opt_set_dscp</i>		
precedence	Precedence in IP(v4) and IPv6 packets	
tunnel1	(Optional) Set DSCP in tunnel encapsulation	
<i>prec-val</i>	IP Precedence value	
<i>opt_set_prec</i>		

Command Mode

- /exec/configure/pmap/class

set

```
[no] set { { dlb-disable } | { precedence [ prec-tunnel ] { <prec-val> | <prec-enum> } } | { dscp [ tunnel ] { <dscp-val> | <dscp-enum> } } | { cos <cos-val> } | { qos-group <qos-grp-val> } }
```

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set attribute
dlb-disable	Disable Dynamic Load Balancing
precedence	Precedence in IP(v4) and IPv6 packets
prec-tunnel	(Optional) Set Precedence in tunnel encapsulation
<i>prec-val</i>	IP Precedence value
<i>prec-enum</i>	
dscp	DSCP in IP(v4) and IPv6 packets
tunnel	(Optional) Set DSCP in tunnel encapsulation
<i>dscp-val</i>	DSCP value
<i>dscp-enum</i>	
cos	IEEE 802.1Q Class of Service
<i>cos-val</i>	802.1Q Class of Service value
qos-group	Qos-group
<i>qos-grp-val</i>	Qos-group value

Command Mode

- /exec/configure/policy-map/class

set

```
[no] set { { discard-class <dis-class-val> } | { { { cos1 cos2 } | { dscp1 dscp2 } | { prec1 prec2 } | { dis-class1
dis-class2 } | { dscp3 mpls-exp-imposition } | { mpls-exp-topmost dscp4 } | { mpls-exp-topmost1
mpls-exp-topmost2 } } table <table-map-name> } | { mpls experimental { { topmost <exp-value> } | {
imposition <exp-value-imp> } } } }
```

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos1	IEEE 802.1Q class of service
cos2	IEEE 802.1Q class of service
dscp1	DSCP in IP(v4) and IPv6 packets
dscp2	DSCP in IP(v4) and IPv6 packets
prec1	Precedence in IP(v4) and IPv6 packets
prec2	Precedence in IP(v4) and IPv6 packets
discard-class	Discard class
dis-class1	Discard class
dis-class2	Discard class
<i>dis-class-val</i>	Discard class value
table	Table defining mapping from input to output
<i>table-map-name</i>	Table-map name
mpls	Set MPLS label
experimental	Set MPLS experimental label
topmost	Set MPLS topmost label
imposition	Push the label and set new one on top
<i>exp-value</i>	MPLS value
<i>exp-value-imp</i>	MPLS value
dscp3	DSCP in IP(v4) and IPv6 packets
mpls-exp-imposition	mpls-exp-imposition
mpls-exp-topmost	mpls-exp-topmost

dscp4	DSCP in IP(v4) and IPv6 packets
-------	---------------------------------

mpls-exp-topmost1	mpls-exp-topmost
-------------------	------------------

mpls-exp-topmost2	mpls-exp-topmost
-------------------	------------------

Command Mode

- /exec/configure/policy-map/class

set

[no] set { load-sharing per-packet }

Syntax Description

Syntax Description

set	Set attribute
load-sharing	Load sharing across ECMP by set out-of-order bit
per-packet	per MiM packet
no	(Optional) Negate a command or set its defaults

Command Mode

- /exec/configure/policy-map/class

set as-path prepend last-as tag

```
{ set as-path { prepend { last-as <lastas> | <as> + } | tag } } | { no set as-path { prepend [ last-as [ <lastas> ] | <as> + ] | tag } }
```

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path	Prepend string for a BGP AS-path attribute
prepend	Prepend to the AS-Path
last-as	Prepend last AS to the as-path
<i>lastas</i>	number of last-AS prepends
<i>as</i>	AS number
tag	Set the tag as an AS-path attribute
<i>as</i>	(Optional)

Command Mode

- /exec/configure/route-map

set comm-list delete

```
{ { set comm-list <name> delete } | { no set comm-list } }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
comm-list	set BGP community list (for deletion)	
<i>name</i>		Community list name
delete		Delete matching communities

Command Mode

- /exec/configure/route-map

set community none additive internet local-AS

```
{ set community { none | { additive | internet | local-AS | no-advertise | no-export | <hex_num> | <number>
| <community> } + } } | { no set community [ { none | { additive | internet | local-AS | no-advertise | no-export
| <hex_num> | <number> | <community> } + } ] }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
community	Set BGP community attribute
additive	Add to existing community
internet	Internet (well-known community)
local-AS	Do not send outside local AS (well-known community)
no-advertise	Do not advertise to any peer (well-known community)
no-export	Do not export to next AS (well-known community)
none	No community attribute
<i>number</i>	Community number
<i>hex_num</i>	Community number in hex
<i>community</i>	Community number aa:nn format
<i>additive</i>	(Optional) internet

Command Mode

- /exec/configure/route-map

set cos

[no] set cos <cos-val>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q Class of Service
<i>cos-val</i>	802.1Q Class of Service value

Command Mode

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

set cos

[no] set cos <cos-val>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q class of service
<i>cos-val</i>	802.1Q Class of Service value

Command Mode

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

set dampening

```
{ set dampening <half-life> <reuse> <supress> <duration> } | { no set dampening [ <half-life> <reuse> <supress> <duration> ] }
```

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	set	Set values in destination routing protocol
	dampening	Set BGP route flap dampening parameters
	<i>half-life</i>	half-life time for the penalty
	<i>reuse</i>	penalty to start reusing a route
	<i>supress</i>	penalty to start suppressing a route
	<i>duration</i>	Maximum duration to suppress a stable route

Command Mode

- /exec/configure/route-map

set distance

{ set distance <external-dist> [<internal-dist> [<local-dist>]] } | { no set distance }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
distance		Set the Administrative distance of route
<i>external-dist</i>		Administrative distance for IGP or EBGp routes
<i>internal-dist</i>	(Optional)	Administrative distance for internal routes
<i>local-dist</i>	(Optional)	Administrative distance for local routes

Command Mode

- /exec/configure/route-map

set extcomm-list delete

```
{ { set extcomm-list <name> delete } | { no set extcomm-list [ <name> delete ] } }
```

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	set	Set values in destination routing protocol
	extcomm-list	set BGP extcommunity list (for deletion)
	<i>name</i>	Extended Community list name
	delete	Delete matching extcommunities

Command Mode

- /exec/configure/route-map

set extcommunity 4byteas-generic transitive additive

```
{ set extcommunity 4byteas-generic { { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } + [ additive ] | additive | none } } | { no set extcommunity 4byteas-generic [ {
transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } + [ additive ] | additive | none
] }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
4byteas-generic	Generic extended community
additive	(Optional) Add to existing generic extcommunity
none	No extcommunity generic attribute
transitive	Transitive extended community
non-transitive	Non-Transitive extended community
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-trans</i>	(Optional) <ext-comm-gen-nontrans>

Command Mode

- /exec/configure/route-map

set extcommunity additive

```
{ set extcommunity { additive | none } } | { no set extcommunity [ additive | none ] }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
extcommunity		Set BGP extcommunity attribute
additive		Add to existing generic extcommunity
none		No extcommunity attribute

Command Mode

- /exec/configure/route-map

set extcommunity cost

```
{ set extcommunity cost { [ igp | pre-bestpath ] <comm-id> <cost-value> } + } | { no set extcommunity cost
[ [ igp | pre-bestpath ] <comm-id> <cost-value> ] + }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
extcommunity		Set BGP extcommunity attribute
cost		Cost
igp		(Optional) Compare following IGP cost comparison
pre-bestpath		(Optional) Compare before all other steps in bestpath calculation
<i>comm-id</i>		Community ID
<i>cost-value</i>		Cost Community value
<i>comm-id</i>		(Optional) <cost-value>

Command Mode

- /exec/configure/route-map

set extcommunity rt additive

```
{ set extcommunity rt { { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } + [ additive ] | additive } } | {
no set extcommunity rt [ { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } + [ additive ] | additive ] }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
extcommunity		Set BGP extcommunity attribute
rt		Route-Target
additive		(Optional) Add to existing rt extcommunity
<i>ext-comm-rt-aa2nn4</i>		Extcommunity number
<i>ext-comm-rt-aa4nn2</i>		Extcommunity number
<i>ext-comm-rt-aa2nn4</i>	(Optional)	<ext-comm-rt-aa4nn2>

Command Mode

- /exec/configure/route-map

set extension-key

[no] set extension-key <key>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
set		Set the extension key manually
extension-key		Set the extension key manually
key		Extension key

Command Mode

- /exec/configure/vmt-conn

set forwarding-address

[no] set forwarding-address

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
forwarding-address	Set the forwarding address

Command Mode

- /exec/configure/route-map

set inner ipv4

```
set { inner | outer } ipv4 [ { l3-type <l3_type> | pyld-len <pyld_len> | v6-vld <v6_vld> | version <ver> |
header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off
<fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> } ] +
```

Syntax Description

Syntax Description	set	Setup Trigger
	inner	Mask and Match By Inner Packet Fields
	outer	Mask and Match By Outer Packet Fields
	ipv4	IPv4 Fields
	l3-type	(Optional) L3 Packet Type
	<i>l3_type</i>	(Optional) L3 Packet Type
	pyld-len	(Optional) Payload Length
	<i>pyld_len</i>	(Optional) Payload Length
	v6-vld	(Optional) IPv6 Valid Information
	<i>v6_vld</i>	(Optional) IPv6 Valid Information
	version	(Optional) Version
	<i>ver</i>	(Optional) Version
	header-len	(Optional) Header Length
	<i>hlen</i>	(Optional) Header Length
	dscp	(Optional) Diff. Serv. Code Point
	<i>dscp_val</i>	(Optional) Diff. Serv. Code Point
	ecn	(Optional) Explicit Congestion Ntn
	<i>ecn_val</i>	(Optional) Explicit Congestion Ntn
	packet-len	(Optional) Packet Total Length
	<i>pkt_len</i>	(Optional) Packet Total Length
	more-frags	(Optional) More Fragments Available
	<i>mf</i>	(Optional) More Fragments Available
	fragment-off	(Optional) Fragments Offset
	<i>fragoff</i>	(Optional) Fragments Offset

<i>ttl</i>	(Optional) Time to Live
<i>ttl_val</i>	(Optional) Time to Live
<i>next-protocol</i>	(Optional) Next(L4) Protocol
<i>nproto</i>	(Optional) Next(L4) Protocol
<i>checksum</i>	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
<i>src_ip</i>	(Optional) Source IP Address
<i>sip</i>	(Optional) Source IP Address
<i>dst_ip</i>	(Optional) Destination IP Address
<i>dip</i>	(Optional) Destination IP Address

Command Mode

- /exec/elanms/sel6

set inner ipv4

```
set inner ipv4 [ { l3-type <l3_type> | pyld-len <pyld_len> | v6-vld <v6_vld> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> } ] +
```

Syntax Description

Syntax Description		
set		Setup Trigger
inner		Mask and Match By Inner Packet Fields
ipv4		IPv4 Fields
l3-type		(Optional) L3 Packet Type
<i>l3_type</i>		(Optional) L3 Packet Type
pyld-len		(Optional) Payload Length
<i>pyld_len</i>		(Optional) Payload Length
v6-vld		(Optional) IPv6 Valid Information
<i>v6_vld</i>		(Optional) IPv6 Valid Information
version		(Optional) Version
<i>ver</i>		(Optional) Version
header-len		(Optional) Header Length
<i>hlen</i>		(Optional) Header Length
dscp		(Optional) Diff. Serv. Code Point
<i>dscp_val</i>		(Optional) Diff. Serv. Code Point
ecn		(Optional) Explicit Congestion Ntn
<i>ecn_val</i>		(Optional) Explicit Congestion Ntn
packet-len		(Optional) Packet Total Length
<i>pkt_len</i>		(Optional) Packet Total Length
more-frags		(Optional) More Fragments Available
<i>mf</i>		(Optional) More Fragments Available
fragment-off		(Optional) Fragments Offset
<i>fragoff</i>		(Optional) Fragments Offset
ttl		(Optional) Time to Live

<i>ttl_val</i>	(Optional) Time to Live
<i>next-protocol</i>	(Optional) Next(L4) Protocol
<i>nproto</i>	(Optional) Next(L4) Protocol
<i>checksum</i>	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
<i>src_ip</i>	(Optional) Source IP Address
<i>sip</i>	(Optional) Source IP Address
<i>dst_ip</i>	(Optional) Destination IP Address
<i>dip</i>	(Optional) Destination IP Address

Command Mode

- /exec/elamns/sel4

set inner l2

```
set { inner | outer } l2 [ { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id>
| cos <cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif>
| vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } ] +
```

Syntax Description

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
snap_vld	(Optional) SNAP Header Information Valid
<i>snap_vld</i>	(Optional) SNAP Header Information Valid
cntag_vld	(Optional) CNTag Information Valid
<i>cntag_vld</i>	(Optional) CNTag Information Valid
qtag_vld	(Optional) VLAN Tag Information Valid
<i>qtag_vld</i>	(Optional) VLAN Tag Information Valid
vlan	(Optional) VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	(Optional) VLAN Id
cos	(Optional) Class of Service
<i>cos_val</i>	(Optional) Class of Service Type
cfi	(Optional) CFI Setting
<i>cfi_vld</i>	(Optional) CFI Setting Valid
vntag_vld	(Optional) VNTAG Information Valid
<i>vntag_vld</i>	(Optional) VNTAG Information Valid
vntag_svif	(Optional) VNTAG Source vif
<i>vntag_svif</i>	(Optional) VNTAG Source vif
vntag_dvif	(Optional) VNTAG Destination vif
<i>vntag_dvif</i>	(Optional) VNTAG Destination vif
vntag_looped	(Optional) VNTAG Header Looped Valid
<i>vntag_loop</i>	(Optional) VNTAG Header Looped Valid

vntag_pointer (Optional) VNTAG Header Pointer Valid

vntag_p (Optional) VNTAG Header Pointer Valid

src_mac (Optional) Source MAC Address

smac (Optional) Source MAC Address Value

dst_mac (Optional) Destination MAC Address

dmac (Optional) Destination MAC Address Value

Command Mode

- /exec/elanms/se15

set inner l2

```
set inner l2 [ { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id> | cos
<cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif> |
vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } ] +
```

Syntax Description

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l2	All Layer 2 Fields
snap_vld	(Optional) SNAP Header Information Valid
<i>snap_vld</i>	(Optional) SNAP Header Information Valid
cntag_vld	(Optional) CNTag Information Valid
<i>cntag_vld</i>	(Optional) CNTag Information Valid
qtag_vld	(Optional) VLAN Tag Information Valid
<i>qtag_vld</i>	(Optional) VLAN Tag Information Valid
vlan	(Optional) VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	(Optional) VLAN Id
cos	(Optional) Class of Service
<i>cos_val</i>	(Optional) Class of Service Type
cfi	(Optional) CFI Setting
<i>cfi_vld</i>	(Optional) CFI Setting Valid
vntag_vld	(Optional) VNTAG Information Valid
<i>vntag_vld</i>	(Optional) VNTAG Information Valid
vntag_svif	(Optional) VNTAG Source vif
<i>vntag_svif</i>	(Optional) VNTAG Source vif
vntag_dvif	(Optional) VNTAG Destination vif
<i>vntag_dvif</i>	(Optional) VNTAG Destination vif
vntag_looped	(Optional) VNTAG Header Looped Valid
<i>vntag_loop</i>	(Optional) VNTAG Header Looped Valid
vntag_pointer	(Optional) VNTAG Header Pointer Valid

<i>vntag_p</i>	(Optional) VNTAG Header Pointer Valid
<i>src_mac</i>	(Optional) Source MAC Address
<i>smac</i>	(Optional) Source MAC Address Value
<i>dst_mac</i>	(Optional) Destination MAC Address
<i>dmac</i>	(Optional) Destination MAC Address Value

Command Mode

- /exec/elamns/sel4

set inner l2 hg2

```
set { inner | outer } l2 hg2 [ { hg2_vid <hg2_vlan> | hg2_ppd_type <hg2_ppd_type> | hg2_mirror <hg2_mirror>
| hg2_opcode <hg2_opcode> | hg2_dstpid <hg2_dpid> | hg2_dstmod <hg2_dmod> | hg2_srcpid <hg2_spid>
| hg2_srcmod <hg2_smod> | hg2_l3vld <hg2_l3_vld> | hg2_tc <hg2_tc> | hg2_dp <hg2_dp> | hg2_mcast
<hg2_mcast_vld> | hg2-vld <hg2_vld> | hg2-cos <hg2_cos> } ] +
```

Syntax Description

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
hg2	High Gig2 Fields
hg2_vid	(Optional) High Gig2 VLAN Tag
<i>hg2_vlan</i>	(Optional) High Gig2 VLAN Tag Information
hg2_ppd_type	(Optional) High Gig2 Packet Processing Descriptor
<i>hg2_ppd_type</i>	(Optional) High Gig2 Packet Processing Descriptor
hg2_mirror	(Optional) High Gig2 Packet Mirror Information
<i>hg2_mirror</i>	(Optional) High Gig2 Packet Mirror Information
hg2_opcode	(Optional) High Gig2 Packet Type
<i>hg2_opcode</i>	(Optional) High Gig2 Packet Type
hg2_dstpid	(Optional) High Gig2 Destination Port ID
<i>hg2_dpid</i>	(Optional) High Gig2 Destination Port ID
hg2_dstmod	(Optional) High Gig2 Destination Module ID
<i>hg2_dmod</i>	(Optional) High Gig2 Destination Module ID
hg2_srcpid	(Optional) High Gig2 Source Port ID
<i>hg2_spid</i>	(Optional) High Gig2 Source Port ID
hg2_srcmod	(Optional) High Gig2 Souce Module ID
<i>hg2_smod</i>	(Optional) High Gig2 Souce Module ID
hg2_l3vld	(Optional) High Gig2 Packet L3 Switched
<i>hg2_l3_vld</i>	(Optional) High Gig2 Packet L3 Switched

<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_mcast</i>	(Optional) High Gig2 MultiCast Forwarding Information
<i>hg2_mcast_vld</i>	(Optional) High Gig2 Multicast Forwarding Information
<i>hg2-vld</i>	(Optional) High Gig2 Valid Information
<i>hg2_vld</i>	(Optional) High Gig2 Valid Information
<i>hg2-cos</i>	(Optional) High Gig2 CoS Information
<i>hg2_cos</i>	(Optional) High Gig2 CoS Information

Command Mode

- /exec/elanms/se15

set inner l2 hg2

```
set inner l2 hg2 [ { hg2_vid <hg2_vlan> | hg2_ppd_type <hg2_ppd_type> | hg2_mirror <hg2_mirror> |
hg2_opcode <hg2_opcode> | hg2_dstpid <hg2_dpid> | hg2_dstmod <hg2_dmod> | hg2_srcpid <hg2_spid>
| hg2_srcmod <hg2_smod> | hg2_l3vld <hg2_l3_vld> | hg2_tc <hg2_tc> | hg2_dp <hg2_dp> | hg2_mcast
<hg2_mcast_vld> | hg2-vld <hg2_vld> | hg2-cos <hg2_cos> } ] +
```

Syntax Description

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l2	All Layer 2 Fields
hg2	High Gig2 Fields
hg2_vid	(Optional) High Gig2 VLAN Tag
<i>hg2_vlan</i>	(Optional) High Gig2 VLAN Tag Information
hg2_ppd_type	(Optional) High Gig2 Packet Processing Descriptor
<i>hg2_ppd_type</i>	(Optional) High Gig2 Packet Processing Descriptor
hg2_mirror	(Optional) High Gig2 Packet Mirror Information
<i>hg2_mirror</i>	(Optional) High Gig2 Packet Mirror Information
hg2_opcode	(Optional) High Gig2 Packet Type
<i>hg2_opcode</i>	(Optional) High Gig2 Packet Type
hg2_dstpid	(Optional) High Gig2 Destination Port ID
<i>hg2_dpid</i>	(Optional) High Gig2 Destination Port ID
hg2_dstmod	(Optional) High Gig2 Destination Module ID
<i>hg2_dmod</i>	(Optional) High Gig2 Destination Module ID
hg2_srcpid	(Optional) High Gig2 Source Port ID
<i>hg2_spid</i>	(Optional) High Gig2 Source Port ID
hg2_srcmod	(Optional) High Gig2 Souce Module ID
<i>hg2_smod</i>	(Optional) High Gig2 Souce Module ID
hg2_l3vld	(Optional) High Gig2 Packet L3 Switched
<i>hg2_l3_vld</i>	(Optional) High Gig2 Packet L3 Switched
hg2_tc	(Optional) High Gig2 Packet Traffic Class

<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_mcast</i>	(Optional) High Gig2 MultiCast Forwarding Information
<i>hg2_mcast_vld</i>	(Optional) High Gig2 Multicast Forwarding Information
<i>hg2-vld</i>	(Optional) High Gig2 Valid Information
<i>hg2_vld</i>	(Optional) High Gig2 Valid Information
<i>hg2-cos</i>	(Optional) High Gig2 CoS Information
<i>hg2_cos</i>	(Optional) High Gig2 CoS Information

Command Mode

- /exec/elamns/sel4

set inner l4

```
set inner l4 [ { src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum <csum> | flags <flag_val>
} ] +
```

Syntax Description

Syntax Description		
set	Setup Trigger	
inner	Mask and Match By Inner Packet Fields	
l4	L4 Fields	
src-port	(Optional) Source Port Information	
<i>sport</i>	(Optional) Source Port	
dst-port	(Optional) Destination Port Information	
<i>dport</i>	(Optional) Destination Port	
packet-len	(Optional) Packet Length	
<i>pkt_len</i>	(Optional) Packet Length	
checksum	(Optional) Checksum	
<i>csum</i>	(Optional) Checksum	
flags	(Optional) L4 Flags	
<i>flag_val</i>	(Optional) L4 Flags	

Command Mode

- /exec/elan/sel4

set inner l4

```
set { inner | outer } l4 [ { src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum <csum> | flags
<flag_val> } ] +
```

Syntax Description

Syntax Description		
set	Setup Trigger	
inner	Mask and Match By Inner Packet Fields	
outer	Mask and Match By Outer Packet Fields	
l4	L4 Fields	
src-port	(Optional) Source Port Information	
<i>sport</i>	(Optional) Source Port	
dst-port	(Optional) Destination Port Information	
<i>dport</i>	(Optional) Destination Port	
packet-len	(Optional) Packet Length	
<i>pkt_len</i>	(Optional) Packet Length	
checksum	(Optional) Checksum	
<i>csum</i>	(Optional) Checksum	
flags	(Optional) L4 Flags	
<i>flag_val</i>	(Optional) L4 Flags	

Command Mode

- /exec/elamns/se17

set interface

[no] set interface <i>iface</i>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
interface	Output interface
<i>iface</i>	Interface name

Command Mode

- /exec/configure/route-map

set interval find-new-host

[no] set interval find-new-host <val>

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set vmtracker options	
interval	Set the polling interval	
find-new-host	Set interval for the new host searching timer	
<i>val</i>	The host search interval value in seconds (0 to disable)	

Command Mode

- /exec/configure/vmt-conn

set interval pending-task-polling

[no] set interval pending-task-polling <val>

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set vmtracker options	
interval	Set the polling interval	
pending-task-polling	Define pending-task-polling interval	
val	The pending task polling interval value in seconds	

Command Mode

- /exec/configure/vmt-conn

set interval sync-full-info

[no] set interval sync-full-info <val>

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set vmtracker options	
interval	Set the polling interval	
sync-full-info	Set interval for syncing complete info from host	
<i>val</i>	The sync info interval value in seconds (0 to disable)	

Command Mode

- /exec/configure/vmt-conn

set ip address prefix-list

[no] set ip address prefix-list <name>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
address	Specify IP address
prefix-list	IP prefix-list
<i>name</i>	Name of prefix list

Command Mode

- /exec/configure/route-map

set ip default next-hop

```
[no] set ip default next-hop [ recursive ] { load-share | <addr1> + [ load-share ] }
```

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
set		Set values in destination routing protocol
ip		Configure IP features
recursive	(Optional)	Use recursive lookup
default		Set default next-hop
next-hop		Next hop address
<i>addr1</i>		IP address of next hop
load-share		Enables load sharing

Command Mode

- /exec/configure/route-map

set ip default next-hop verify-availability

[no] set ip default next-hop verify-availability { <addr> [track <object_id>] } [load-share]

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set values in destination routing protocol	
ip	Configure IP features	
default	Set default next-hop	
next-hop	Next hop address	
verify-availability	Verify the reachability of the tracked object	
<i>addr</i>	IP address of next hop	
track	(Optional) The tracking method is track	
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking	
load-share	(Optional) Enables load sharing	

Command Mode

- /exec/configure/route-map

set ip next-hop

```
[no] set ip next-hop [ recursive ] { load-share | <addr1> + [ load-share ] }
```

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set values in destination routing protocol	
ip	Configure IP features	
recursive	(Optional) Use recursive lookup	
next-hop	Next hop address	
<i>addr1</i>	IP address of next hop	
load-share	Enables load sharing	

Command Mode

- /exec/configure/route-map

set ip next-hop peer-address

[no] set ip next-hop peer-address

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
peer-address	Use peer address (for BGP only)

Command Mode

- /exec/configure/route-map

set ip next-hop redist-unchanged

[no] set ip next-hop redist-unchanged

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set values in destination routing protocol	
ip	Configure IP features	
next-hop	Next hop address	
redist-unchanged	Use unchanged address during redistribution (for BGP session only)	

Command Mode

- /exec/configure/route-map

set ip next-hop unchanged

[no] set ip next-hop unchanged

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
unchanged	Use unchanged address (for eBGP session only)

Command Mode

- /exec/configure/route-map

set ip next-hop verify-availability

```
[no] set ip next-hop verify-availability { <addr> [ track <object_id> ] } [ load-share ]
```

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
set		Set values in destination routing protocol
ip		Configure IP features
next-hop		Next hop address
verify-availability		Verify the reachability of the tracked object
<i>addr</i>		IP address of next hop
track	(Optional)	The tracking method is track
<i>object_id</i>	(Optional)	Object number that the tracking subsystem is tracking
load-share	(Optional)	Enables load sharing

Command Mode

- /exec/configure/route-map

set ip precedence

{ set ip precedence { <value> | <name> } } | { no set ip precedence [<value> | <name>] }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
ip		Configure IP features
precedence		Set precedence field
<i>value</i>		Precedence value
<i>name</i>		Precedence value

Command Mode

- /exec/configure/route-map

set ipv6 address prefix-list

[no] set ipv6 address prefix-list <name>

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set values in destination routing protocol	
ipv6	Configure IPv6 features	
address	Specify IP address	
prefix-list	IPv6 prefix-list	
<i>name</i>	Name of prefix list	

Command Mode

- /exec/configure/route-map

set ipv6 default next-hop

[no] set ipv6 default next-hop [recursive] { load-share | <addr1> + [load-share] }

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
recursive	(Optional) Use recursive lookup
default	Set default next-hop
next-hop	Next hop address
load-share	Enables load sharing
<i>addr1</i>	

Command Mode

- /exec/configure/route-map

set ipv6 default next-hop verify-availability

[no] set ipv6 default next-hop verify-availability { <addr> [track <object_id>] } [load-share]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
set		Set values in destination routing protocol
ipv6		Configure IPv6 features
next-hop		Next hop address
default		Set default next-hop
verify-availability		Verify the reachability of the tracked object
track	(Optional)	The tracking method is track
<i>object_id</i>	(Optional)	Object number that the tracking subsystem is tracking
load-share	(Optional)	Enables load sharing

Command Mode

- /exec/configure/route-map

set ipv6 next-hop

[no] set ipv6 next-hop { load-share | <addr> + [load-share] }

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop ipv6 address
load-share	Enables load sharing
<i>addr</i>	

Command Mode

- /exec/configure/route-map

set ipv6 next-hop peer-address

[no] set ipv6 next-hop peer-address

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set values in destination routing protocol	
ipv6	Configure IPv6 features	
next-hop	Next hop address	
peer-address	Use peer address (for BGP only)	

Command Mode

- /exec/configure/route-map

set ipv6 next-hop redist-unchanged

[no] set ipv6 next-hop redist-unchanged

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set values in destination routing protocol	
ipv6	Configure IPv6 features	
next-hop	Next hop address	
redist-unchanged	Use unchanged address during redistribution (for BGP session only)	

Command Mode

- /exec/configure/route-map

set ipv6 next-hop unchanged

[no] set ipv6 next-hop unchanged

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set values in destination routing protocol	
ipv6	Configure IPv6 features	
next-hop	Next hop address	
unchanged	Use unchanged address (for eBGP session only)	

Command Mode

- /exec/configure/route-map

set ipv6 next-hop verify-availability

[no] set ipv6 next-hop verify-availability { <addr> [track <object_id>] } [load-share]

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set values in destination routing protocol	
ipv6	Configure IPv6 features	
next-hop	Next hop address	
verify-availability	Verify the reachability of the tracked object	
track	(Optional) The tracking method is track	
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking	
load-share	(Optional) Enables load sharing	

Command Mode

- /exec/configure/route-map

set ipv6 precedence

```
{ set ipv6 precedence { <value> | <name> } } | { no set ipv6 precedence [ <value> | <name> ] }
```

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	set	Set values in destination routing protocol
	ipv6	Configure IPv6 features
	precedence	Set precedence field
	<i>value</i>	Precedence value
	<i>name</i>	Precedence value

Command Mode

- /exec/configure/route-map

set label-index

```
{ { set label-index <value> } | { no set label-index [ <value> ] } }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
label-index		Set Segment Routing (SR) label index of route
<i>value</i>		Segment Routing (SR) label index

Command Mode

- /exec/configure/route-map

set level level-1 level-1-2 level-2

{ set level { level-1 | level-1-2 | level-2 } } | { no set level [level-1 | level-1-2 | level-2] }

Syntax Description

Syntax Description		
no	Negate a command or set its defaults	
set	Set values in destination routing protocol	
level	Where to import route	
level-1	Import into a level-1 area	
level-1-2	Import into level-1 and level-2	
level-2	Import into level-2 sub-domain	

Command Mode

- /exec/configure/route-map

set local-preference

```
{ set local-preference <pref> | no set local-preference [ <pref> ] }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
local-preference		BGP local preference path attribute
<i>pref</i>		Preference value

Command Mode

- /exec/configure/route-map

set metric-type external internal type-1 type-2

{ set metric-type { external | internal | type-1 | type-2 } } | { no set metric-type [external | internal | type-1 | type-2] }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
metric-type		Type of metric for destination routing protocol
external		IS-IS external metric
internal		Use IGP metric as the MED for BGP
type-1		OSPF external type 1 metric
type-2		OSPF external type 2 metric

Command Mode

- /exec/configure/route-map

set metric

```
{ set metric <metric0> [ <metric1> <metric2> <metric3> <metric4> ] } | { no set metric [ <metric0> [ <metric1> <metric2> <metric3> <metric4> ] ] }
```

Syntax Description

Syntax Description	Description
no	Negate a command or set its defaults
set	Set values in destination routing protocol
metric	Set metric for destination routing protocol
<i>metric0</i>	[+/-] Metric value or Bandwidth in Kbits per second
<i>metric1</i>	(Optional) IGRP delay metric
<i>metric2</i>	(Optional) IGRP reliability metric where 255 is 100% reliable
<i>metric3</i>	(Optional) IGRP Effective bandwidth metric (Loading) 255 is 100%
<i>metric4</i>	(Optional) IGRP MTU of the path

Command Mode

- /exec/configure/route-map

set mpls-exp-topmost cos table exp-cos-map

[no] set mpls-exp-topmost cos table exp-cos-map

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
set		Set attribute
mpls-exp-topmost		MPLS experimental topmost
cos		IEEE 802.1Q Class of Service
table		Table map
exp-cos-map		Exp to cos table map name (reserved)

Command Mode

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

set nssa-only

[no] set nssa-only

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
nssa-only	OSPF NSSA Areas

Command Mode

- /exec/configure/route-map

set origin egp

{ set origin egp <as> } | { no set origin egp <as> }

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	set	Set values in destination routing protocol
	origin	BGP origin code
	egp	remote EGP
	as	AS number

Command Mode

- /exec/configure/route-map

set origin egp igp incomplete

{ set origin { egp | igp | incomplete } } | { no set origin [{ egp | igp | incomplete }] }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
set		Set values in destination routing protocol
origin		BGP origin code
egp		remote EGP
igp		local IGP
incomplete		unknown heritage

Command Mode

- /exec/configure/route-map

set outer ipv4

```
set outer ipv4 [ { l3-type <l3_type> | pyld-len <pyld_len> | v6-vld <v6_vld> | version <ver> | header-len
<hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff>
| ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> } ] +
```

Syntax Description

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
ipv4	IPv4 Fields
l3-type	(Optional) L3 Packet Type
<i>l3_type</i>	(Optional) L3 Packet Type
pyld-len	(Optional) Payload Length
<i>pyld_len</i>	(Optional) Payload Length
v6-vld	(Optional) IPv6 Valid Information
<i>v6_vld</i>	(Optional) IPv6 Valid Information
version	(Optional) Version
<i>ver</i>	(Optional) Version
header-len	(Optional) Header Length
<i>hlen</i>	(Optional) Header Length
dscp	(Optional) Diff. Serv. Code Point
<i>dscp_val</i>	(Optional) Diff. Serv. Code Point
ecn	(Optional) Explicit Congestion Ntn
<i>ecn_val</i>	(Optional) Explicit Congestion Ntn
packet-len	(Optional) Packet Total Length
<i>pkt_len</i>	(Optional) Packet Total Length
more-frags	(Optional) More Fragments Available
<i>mf</i>	(Optional) More Fragments Available
fragment-off	(Optional) Fragments Offset
<i>fragoff</i>	(Optional) Fragments Offset
ttl	(Optional) Time to Live

<i>ttl_val</i>	(Optional) Time to Live
<i>next-protocol</i>	(Optional) Next(L4) Protocol
<i>nproto</i>	(Optional) Next(L4) Protocol
<i>checksum</i>	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
<i>src_ip</i>	(Optional) Source IP Address
<i>sip</i>	(Optional) Source IP Address
<i>dst_ip</i>	(Optional) Destination IP Address
<i>dip</i>	(Optional) Destination IP Address

Command Mode

- /exec/elanms/sel3

set outer l2

```
set outer l2 [ { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id> | cos
<cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif> |
vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } ] +
```

Syntax Description

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
snap_vld	(Optional) SNAP Header Information Valid
<i>snap_vld</i>	(Optional) SNAP Header Information Valid
cntag_vld	(Optional) CNTag Information Valid
<i>cntag_vld</i>	(Optional) CNTag Information Valid
qtag_vld	(Optional) VLAN Tag Information Valid
<i>qtag_vld</i>	(Optional) VLAN Tag Information Valid
vlan	(Optional) VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	(Optional) VLAN Id
cos	(Optional) Class of Service
<i>cos_val</i>	(Optional) Class of Service Type
cfi	(Optional) CFI Setting
<i>cfi_vld</i>	(Optional) CFI Setting Valid
vntag_vld	(Optional) VNTAG Information Valid
<i>vntag_vld</i>	(Optional) VNTAG Information Valid
vntag_svif	(Optional) VNTAG Source vif
<i>vntag_svif</i>	(Optional) VNTAG Source vif
vntag_dvif	(Optional) VNTAG Destination vif
<i>vntag_dvif</i>	(Optional) VNTAG Destination vif
vntag_looped	(Optional) VNTAG Header Looped Valid
<i>vntag_loop</i>	(Optional) VNTAG Header Looped Valid
vntag_pointer	(Optional) VNTAG Header Pointer Valid

<i>vntag_p</i>	(Optional) VNTAG Header Pointer Valid
<i>src_mac</i>	(Optional) Source MAC Address
<i>smac</i>	(Optional) Source MAC Address Value
<i>dst_mac</i>	(Optional) Destination MAC Address
<i>dmac</i>	(Optional) Destination MAC Address Value

Command Mode

- /exec/elanms/sel3

set outer l2 hg2

```
set outer l2 hg2 [ { hg2_vid <hg2_vlan> | hg2_ppd_type <hg2_ppd_type> | hg2_mirror <hg2_mirror> |
hg2_opcode <hg2_opcode> | hg2_dstpid <hg2_dpid> | hg2_dstmod <hg2_dmod> | hg2_srcpid <hg2_spid>
| hg2_srcmod <hg2_smod> | hg2_l3vld <hg2_l3_vld> | hg2_tc <hg2_tc> | hg2_dp <hg2_dp> | hg2_mcast
<hg2_mcast_vld> | hg2-vld <hg2_vld> | hg2-cos <hg2_cos> } ] +
```

Syntax Description

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
hg2	High Gig2 Fields
hg2_vid	(Optional) High Gig2 VLAN Tag
<i>hg2_vlan</i>	(Optional) High Gig2 VLAN Tag Information
hg2_ppd_type	(Optional) High Gig2 Packet Processing Descriptor
<i>hg2_ppd_type</i>	(Optional) High Gig2 Packet Processing Descriptor
hg2_mirror	(Optional) High Gig2 Packet Mirror Information
<i>hg2_mirror</i>	(Optional) High Gig2 Packet Mirror Information
hg2_opcode	(Optional) High Gig2 Packet Type
<i>hg2_opcode</i>	(Optional) High Gig2 Packet Type
hg2_dstpid	(Optional) High Gig2 Destination Port ID
<i>hg2_dpid</i>	(Optional) High Gig2 Destination Port ID
hg2_dstmod	(Optional) High Gig2 Destination Module ID
<i>hg2_dmod</i>	(Optional) High Gig2 Destination Module ID
hg2_srcpid	(Optional) High Gig2 Source Port ID
<i>hg2_spid</i>	(Optional) High Gig2 Source Port ID
hg2_srcmod	(Optional) High Gig2 Souce Module ID
<i>hg2_smod</i>	(Optional) High Gig2 Souce Module ID
hg2_l3vld	(Optional) High Gig2 Packet L3 Switched
<i>hg2_l3_vld</i>	(Optional) High Gig2 Packet L3 Switched
hg2_tc	(Optional) High Gig2 Packet Traffic Class

<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_mcast</i>	(Optional) High Gig2 MultiCast Forwarding Information
<i>hg2_mcast_vld</i>	(Optional) High Gig2 Multicast Forwarding Information
<i>hg2-vld</i>	(Optional) High Gig2 Valid Information
<i>hg2_vld</i>	(Optional) High Gig2 Valid Information
<i>hg2-cos</i>	(Optional) High Gig2 CoS Information
<i>hg2_cos</i>	(Optional) High Gig2 CoS Information

Command Mode

- /exec/elanms/sel3

set outer l4

```
set outer l4 [ { src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum <csum> | flags <flag_val>
} ] +
```

Syntax Description

Syntax Description		
set	Setup Trigger	
outer	Mask and Match By Outer Packet Fields	
l4	L4 Fields	
src-port	(Optional) Source Port Information	
<i>sport</i>	(Optional) Source Port	
dst-port	(Optional) Destination Port Information	
<i>dport</i>	(Optional) Destination Port	
packet-len	(Optional) Packet Length	
<i>pkt_len</i>	(Optional) Packet Length	
checksum	(Optional) Checksum	
<i>csum</i>	(Optional) Checksum	
flags	(Optional) L4 Flags	
<i>flag_val</i>	(Optional) L4 Flags	

Command Mode

- /exec/elamns/sel3

set path-selection all advertise

[no] set path-selection all advertise

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
set	Set values in destination routing protocol	
path-selection	Path selection criteria for BGP	
all	Specifies all BGP Paths	
advertise	Advertise add paths to its peers if receive capability enabled	

Command Mode

- /exec/configure/route-map

set pktmgr pds yield-threshold

set pktmgr pds yield-threshold [<thr>]

Syntax Description

Syntax Description	set	Set values
	pktmgr	Set values in pktmgr
	pds	Set value for pktmgr pds operation
	yield-threshold	Set Value of yield-threshold
	<i>thr</i>	(Optional) threshold

Command Mode

- /exec

set pktrw

```
set pktrw { mcast <mcast> | sup_redir <sured> | bcm_proxy <bcm_proxy> | excep_case <excep> | transit
<trans> | vpc_df <vpc_df> | src_tep_idx <src_tep> | lat_update <lat_update> | lat_idx <lat_idx> | src_class
<sclass> | ol_fb_met <ol_fb_met> | ol_fb_vpath <ol_fb_vpath> | ol_dre <ol_dre> | ol_vpath <ol_vpath> |
ol_dp <ol_dp> | ol_sp <ol_sp> | ol_e <ol_e> | ol_dl <ol_dl> | ol_lb <ol_lb> | ol_mark <ol_mark> | ol_udp_sp
<ol_udp_sp> | ol_ftag <ol_ftag> | ol_segid <ol_segid> | ol_ttl <ol_ttl> | ol_ecn <ol_ecn> | ol_dscp <ol_dscp>
| ol_de <ol_de> | ol_cos <ol_cos> | ol_mac <ol_mac> | ol_encap_idx <ol_encap> | ol_vpc <ol_vpc> | ol_idx
<ol_idx> | ttl <ttl> | dscp <dscp> | vlan1 <vlan1> | ecn_coi <ecn_coi> | ecn_cio <ecn_cio> | ttl_coi <ttl_coi>
| ttl_cio <ttl_cio> | adj_idx <adj_idx> | vntag_svif <vntag_svif> | de <de> | cos <cos> | vlan0 <vlan0> | adj_vld
<adj_vld> | uc_routed <uc_routed> | loopback <lpb> | ecn <ecn> | hg2_vid <hg2_vlan> | hg2_ppd <hg2_ppd>
| hg2_tc_sup_copy <hg2_tcscopy> | hg2_tc <hg2_tc> | hg2_lbid <hg2_lbid> | hg2_opc <hg2_opc> | hg2_dstpid
<hg2_dpidd> | hg2_srcpid <hg2_spidd> | hg2_dstmod <hg2_dmod> | hg2_srcmod <hg2_smod> | op_inner
<op_inner> | op_qtag <op_qtag> | op_vntag <op_vntag> | op_outer <op_outer> | pkt_type <pkt_type> | drop
<drp> | pkt_tstamp <pkt_tstamp> | tstamp <tstamp> | cap_tstamp <cap_tstamp> | len_info <len_info> | len_type
<len_type> | pktid <pktid> | srcid <srcid> | pktfmt1 <pktfmt1> | pktfmt0 <pktfmt0> | hg2_cos <hg2_cos> }
+
```

Syntax Description

Syntax Description

set	Setup Trigger
pktrw	All packet re-write fields
mcast	mcast
<i>mcast</i>	Mcast
sup_redir	Sup Redirect
<i>sured</i>	Sup Redirect
bcm_proxy	Broadcom Proxy
<i>bcm_proxy</i>	Broadcom Proxy
excep_case	Excep_case
<i>excep</i>	Excep_case
transit	Transit
<i>trans</i>	Transit
vpc_df	VPC_df
<i>vpc_df</i>	VPC_df
src_tep_idx	Src TEP Index
<i>src_tep</i>	Src TEP Index
lat_update	Lat Update

<i>lat_update</i>	Lat Update
<i>lat_idx</i>	Lat Index
<i>lat_idx</i>	Lat Index
<i>src_class</i>	Source Class
<i>sclass</i>	Source Class
<i>ol_fb_met</i>	Ol_fb_metric
<i>ol_fb_met</i>	Ol_fb_metric
<i>ol_fb_vpath</i>	Ol_fb_vpath
<i>ol_fb_vpath</i>	Ol_fb_vpath
<i>ol_dre</i>	Ol_dre
<i>ol_dre</i>	Ol_dre
<i>ol_vpath</i>	Ol_vpath
<i>ol_vpath</i>	Ol_vpath
<i>ol_dp</i>	Ol_dp
<i>ol_dp</i>	Ol_dp
<i>ol_sp</i>	Ol_sp
<i>ol_sp</i>	Ol_sp
<i>ol_e</i>	Ol_e
<i>ol_e</i>	Ol_e
<i>ol_dl</i>	Ol_dl
<i>ol_dl</i>	Ol_dl
<i>ol_lb</i>	Ol_lb
<i>ol_lb</i>	Ol_lb
<i>ol_mark</i>	Ol_mark
<i>ol_mark</i>	Ol_mark
<i>ol_udp_sp</i>	Ol_UDP_sp
<i>ol_udp_sp</i>	Ol UDP Source Port
<i>ol_ftag</i>	Ol_ftag
<i>ol_ftag</i>	Ol_ftag

ol_segid	Ol_segid
<i>ol_segid</i>	Ol_segid
ol_ttl	Ol_TTL
<i>ol_ttl</i>	Ol_TTL
ol_ecn	Ol_ecn
<i>ol_ecn</i>	Ol_ecn
ol_dscp	Ol_dscp
<i>ol_dscp</i>	Ol_dscp
ol_de	Ol_de
<i>ol_de</i>	Ol_de
ol_cos	Ol_cos
<i>ol_cos</i>	Ol_cos
ol_mac	Ol_mac
<i>ol_mac</i>	Ol_mac
ol_encap_idx	Ol_encap_idx
<i>ol_encap</i>	Ol_encap_idx
ol_vpc	Ol_VPC
<i>ol_vpc</i>	Ol_VPC
ol_idx	Ol_idx
<i>ol_idx</i>	Ol_idx
ttl	TTL
<i>ttl</i>	TTL
dscp	DSCP
<i>dscp</i>	DSCP
vlan1	Vlan1
<i>vlan1</i>	Vlan1
ecn_coi	ecn_coi
<i>ecn_coi</i>	ecn_coi
ecn_cio	ecn_cio

<i>ecn_cio</i>	ecn_cio
ttl_coi	ttl_coi
<i>ttl_coi</i>	ttl_coi
ttl_cio	ttl_cio
<i>ttl_cio</i>	ttl_cio
adj_idx	adj_idx
<i>adj_idx</i>	adj_idx
vntag_svif	vntag_svif
<i>vntag_svif</i>	vntag_svif
de	de
<i>de</i>	de
cos	cos
<i>cos</i>	cos
vlan0	vlan0
<i>vlan0</i>	vlan0
adj_vld	adj_vld
<i>adj_vld</i>	adj_vld
uc_routed	uc_routed
<i>uc_routed</i>	uc_routed
loopback	loopback
<i>lpb</i>	loopback
ecn	ecn
<i>ecn</i>	ecn
hg2_vid	High Gig2 VLAN Tag
<i>hg2_vlan</i>	High Gig2 VLAN Tag Information
hg2_cos	High Gig2 CoS Information
<i>hg2_cos</i>	High Gig2 CoS Information
hg2_ppd	High Gig2 Packet Processing Descriptor
<i>hg2_ppd</i>	High Gig2 Packet Processing Descriptor

<i>hg2_tc_sup_copy</i>	High Gig2 Traffic Class SUP Copy
<i>hg2_tcscopy</i>	High Gig2 Traffic Class SUP Copy
<i>hg2_tc</i>	High Gig2 Packet Traffic Class
<i>hg2_tc</i>	High Gig2 Packet Traffic Class
<i>hg2_lbid</i>	High Gig2 Packet Ibid
<i>hg2_lbid</i>	High Gig2 Packet Ibid
<i>hg2_opc</i>	High Gig2 Packet Type
<i>hg2_opc</i>	High Gig2 Packet Type
<i>hg2_dstpid</i>	High Gig2 Destination Port ID
<i>hg2_dpid</i>	High Gig2 Destination Port ID
<i>hg2_dstmod</i>	High Gig2 Destination Module ID
<i>hg2_dmod</i>	High Gig2 Destination Module ID
<i>hg2_srcpid</i>	High Gig2 Source Port ID
<i>hg2_spid</i>	High Gig2 Source Port ID
<i>hg2_srcmod</i>	High Gig2 Souce Module ID
<i>hg2_smod</i>	High Gig2 Souce Module ID
<i>op_inner</i>	Op_inner
<i>op_inner</i>	Op_inner
<i>op_outer</i>	Op_outer
<i>op_outer</i>	Op_outer
<i>op_qtag</i>	Op_qtag
<i>op_qtag</i>	Op_qtag
<i>op_vntag</i>	Op_vntag
<i>op_vntag</i>	Op_vntag
<i>pkt_type</i>	Pkt_type
<i>pkt_type</i>	Pkt_type
<i>drop</i>	Drop
<i>drp</i>	Drop
<i>pkt_tstmp</i>	Packet timestamp

<i>pkt_tstamp</i>	Packet timestamp
<i>tstamp</i>	Timestamp
<i>tstamp</i>	Timestamp
<i>cap_tstamp</i>	Capture Timestamp
<i>cap_tstamp</i>	Capture Timestamp
<i>len_info</i>	Len_info
<i>len_info</i>	Len_info
<i>len_type</i>	Len_type
<i>len_type</i>	Len_type
<i>pktid</i>	Pkt_id
<i>pktid</i>	Pkt_id
<i>srcid</i>	Src_id
<i>srcid</i>	Src_id
<i>pktfmt1</i>	Pktfmt1
<i>pktfmt1</i>	Pktfmt1
<i>pktfmt0</i>	Pktfmt0
<i>pktfmt0</i>	Pktfmt0

Command Mode

- /exec/elamns/outsel0

set sideband

```
set sideband { span_vec <span_vec> | bounce <bnc> | mclast <mclast> | mcastcurptr <mccurptr> | mcastcurptr_v
<mccurptr_v> | srcport <sport> | vlan <vlan> | segwgt <segwgt> | segid <segid> | seglocal <segloc> | gbw_color
<gbw_color> | gbw_tag <gbw_tagg> | fwddrp <fwddrp> | l2fld <l2fld> | nodrp <nodrp> | ovrlyidx <ovrlyidx>
| ecncap <ecncap> | cpu <cpu> | store_fwd <stfwd> | mcast <mcast> | oclass <ocls> | iclass <icls> | odest_v
<odest_v> | odest <odest> | ovec <ovec> | span_trans <span_trans> | lbtype <lbtype> | lbena <lbena> | tdmid
<tdmid> | pktid <pktid> | srcid <srcid> | eoferror <eoferr> | eofbytes <eofby> | eof <eof> | sof <sof> } +
```

Syntax Description

Syntax Description	set	Setup Trigger
	sideband	All sideband fields
	span_vec	SPAN vector
	<i>span_vec</i>	SPAN vector
	bounce	Bounce
	<i>bnc</i>	Bounce
	mclast	Mclast
	<i>mclast</i>	Mclast
	mcastcurptr	Mcast cur ptr
	<i>mccurptr</i>	Mcast cur ptr
	mcastcurptr_v	Mcast cur ptr v
	<i>mccurptr_v</i>	Mcast cur ptr v
	srcport	Source Port
	<i>sport</i>	Source Port
	vlan	Vlan
	<i>vlan</i>	Vlan
	segwgt	Segwgt
	<i>segwgt</i>	Segwgt
	segid	Segid
	<i>segid</i>	Segid
	seglocal	Seglocal

<i>seglcl</i>	Seglocal
<i>gbw_color</i>	GBW color
<i>gbw_color</i>	GBW color
<i>gbw_tag</i>	GBW tagged
<i>gbw_tagg</i>	GBW tagged
<i>fwddrp</i>	Forward drop
<i>fwddrp</i>	Forward drop
<i>l2fld</i>	L2 Flood
<i>l2fld</i>	L2 Flood
<i>nodrp</i>	No drop
<i>nodrp</i>	No drop
<i>ovrlyidx</i>	Overlay index
<i>ovrlyidx</i>	Overlay index
<i>ecncap</i>	ECN Capable
<i>ecncap</i>	ECN Capable
<i>cpu</i>	CPU
<i>cpu</i>	CPU
<i>store_fwd</i>	Store_fwd
<i>stfwd</i>	Store_fwd
<i>mcast</i>	Multicast
<i>mcast</i>	Multicast
<i>oclass</i>	Output class
<i>ocls</i>	Output class
<i>iclass</i>	Input class
<i>icls</i>	Input class
<i>odest_v</i>	Odest_v
<i>odest_v</i>	Odest_v
<i>odest</i>	Odest
<i>odest</i>	Odest

<i>ovec</i>	Ovector
<i>ovec</i>	Ovector
<i>span_trans</i>	SPAN transit
<i>span_trans</i>	SPAN transit
<i>lbtype</i>	Lbtype
<i>lbtype</i>	Lbtype
<i>lbena</i>	Lbenable
<i>lbena</i>	Lbenable
<i>tdmid</i>	Tdmid
<i>tdmid</i>	Tdmid
<i>pktid</i>	Pkt_id
<i>pktid</i>	Pkt_id
<i>srcid</i>	Src_id
<i>srcid</i>	Src_id
<i>eoferror</i>	EOF error
<i>eoferr</i>	EOF erro
<i>eofbytes</i>	EOF bytes
<i>eofby</i>	EOF bytes
<i>eof</i>	EOF
<i>eof</i>	EOF
<i>sof</i>	SOF
<i>sof</i>	SOF

Command Mode

- /exec/elanms/outsel5

set tag

```
{ { set tag <value> } | { no set tag [ <value> ] } }
```

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
set	Set values in destination routing protocol
tag	Tag value for destination routing protocol
<i>value</i>	Tag value

Command Mode

- /exec/configure/route-map

set weight

```
{ set weight <count> | no set weight [ <count> ] }
```

Syntax Description

Syntax Description	
<code>no</code>	Negate a command or set its defaults
<code>set</code>	Set values in destination routing protocol
<code>weight</code>	BGP weight for routing table
<code>count</code>	Weight value

Command Mode

- /exec/configure/route-map

setup

setup

Syntax Description

Syntax Description

setp Run the basic SETUP command facility

Command Mode

- /exec

sflow

```
sflow { [ sampling-rate <rate> ] | [ max-sampled-size <pkt-size> ] | [ counter-poll-interval <interval> ] | [ max-datagram-size <dgram-size> ] | [ collector-ip <dst-ip> vrf { <vrf-name> | <vrf-known-name> } ] [ source <src-ip> ] | [ collector-port <dst-port> ] | [ agent-ip <agent-ip> ] }
```

Syntax Description

Syntax Description

sflow	change sFlow global settings
sampling-rate	(Optional) sFlow Sampling Rate
<i>rate</i>	(Optional) sFlow Sampling rate
max-sampled-size	(Optional) sFlow Sampled Size
<i>pkt-size</i>	(Optional) sFlow Sampled Size
counter-poll-interval	(Optional) sFlow Counter Poll Interval
<i>interval</i>	(Optional) sFlow Counter Poll Interval
max-datagram-size	(Optional) sFlow Datagram Size
<i>dgram-size</i>	(Optional) sFlow Datagram Size
collector-ip	(Optional) sFlow Collector IP address
<i>dst-ip</i>	(Optional) sFlow Collector IP address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source	(Optional) Source IP address to send to sFlow Collector
<i>src-ip</i>	(Optional) Source IP address to send to sFlow Collector
collector-port	(Optional) sFlow Collector UDP port
<i>dst-port</i>	(Optional) sFlow Collector UDP port
agent-ip	(Optional) sFlow Agent IP address
<i>agent-ip</i>	(Optional) sFlow Agent IP address

Command Mode

- /exec/configure

sflow

[no] sflow { sampling-rate | max-sampled-size | counter-poll-interval | max-datagram-size | collector-ip | collector-port | agent-ip }

Syntax Description

Syntax Description	no	Negate a command or set its defaults
sflow		change sFlow global settings
sampling-rate		sFlow Sampling Rate
max-sampled-size		sFlow Sampled Size
counter-poll-interval		sFlow Counter Poll Interval
max-datagram-size		sFlow Datagram Size
collector-ip		sFlow Collector IP address
collector-port		sFlow Collector UDP port
agent-ip		sFlow Agent IP address

Command Mode

- /exec/configure

sflow cpu-usage limit

sflow cpu-usage limit <percent>

Syntax Description

Syntax Description	
sflow	change sFlow global settings
cpu-usage	sFlow cpu usage setting
limit	sFlow cpu usage limit
percent	sFlow cpu usage limit percentage

Command Mode

- /exec/configure

sflow data-source interface

```
sflow data-source interface { <ifnum> | <pcifnum> }
```

Syntax Description

Syntax Description		
<code>sflow</code>	change sFlow global settings	
<code>data-source</code>	sFlow Data Source	
<code>interface</code>	sFlow Data Source Interface	
<code>ifnum</code>	sFlow Data Source Interface	
<code>pcifnum</code>	sFlow Data Source Interface	

Command Mode

- /exec/configure

sflow data-source interface

[no] sflow data-source interface { <ifnum> | <pcifnum> }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
sflow		change sFlow global settings
data-source		sFlow Data Source
interface		sFlow Data Source Interface
<i>ifnum</i>		sFlow Data Source Interface
<i>pcifnum</i>		sFlow Data Source Interface

Command Mode

- /exec/configure

sflow extended switch

[no] sflow extended switch

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
sflow	change sFlow global settings
extended	sFlow extended flow records
switch	sFlow extended switch flow

Command Mode

- /exec/configure

shape

```
[no] shape { { [ average ] { <avg-rate> [ bps | kbps | mbps | gbps ] | percent <percentage> } } | { min { <min-rate> [ bps2 | kbps2 | mbps2 | gbps2 | pps2 ] | percent2 <percentage2> } max { <max-rate> [ bps3 | kbps3 | mbps3 | gbps3 | pps3 ] | percent3 <percentage3> } } } | { { kbps4 | pps4 } { <max-rate4> [ min2 <min-rate4> ] } } }
```

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
shape	shape
average	(Optional) Configure average shape rate
min	Configure minimum shape rate
max	Configure maximum shape rate
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
bps2	(Optional) Bits per second
kbps2	(Optional) Kilo Bits per second
mbps2	(Optional) Mega Bits per second
gbps2	(Optional) Giga Bits per second
pps2	(Optional) Packets per second
bps3	(Optional) Bits per second
kbps3	(Optional) Kilo Bits per second
mbps3	(Optional) Mega Bits per second
gbps3	(Optional) Giga Bits per second
pps3	(Optional) Packets per second
percent	Specify rate as percentage of interface data-rate
percent2	Specify rate as percentage of interface data-rate
percent3	Specify rate as percentage of interface data-rate
<i>percentage</i>	Percentage

percentage2 Percentage

percentage3 Percentage

kbps4 Kilo Bits per second

pps4 Packets per second

min2 (Optional) Min guaranteed bandwidth

Command Mode

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

shared-secret

```
[no] shared-secret { 10 <clear> | 7 <encrypted> | <secret> } [ user <user> password { 0 <clear> | 7 <encrypted> | <password> } ]
```

Syntax Description

Syntax Description	Description
<code>no</code>	(Optional) Negate a command or set its defaults
<code>shared-secret</code>	Shared-secret
<code>secret</code>	Enter shared-secret in clear text
<code>10</code>	password in clear text
<code>clear</code>	Password in clear text
<code>7</code>	Password that follows should be in encrypted text
<code>encrypted</code>	Encrypted password
<code>user</code>	(Optional) User Name
<code>user</code>	(Optional) Enter user name
<code>password</code>	(Optional) Password
<code>password</code>	(Optional) Enter password in clear text
<code>0</code>	(Optional) Password that follows should be in clear text
<code>clear</code>	(Optional) Password in clear text
<code>7</code>	(Optional) Password that follows should be in encrypted text
<code>encrypted</code>	(Optional) Encrypted password

Command Mode

- /exec/configure/fabric-db/server-radius

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this instance of RIP

Command Mode

- /exec/configure/router-rip /exec/configure/router-rip/router-rip-vrf

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Administratively shutdown BGP protocol

Command Mode

- /exec/configure/router-bgp

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Administratively shutdown this BMP server

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

shutdown

[no | default] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
shutdown	Administratively shutdown this neighbor

Command Mode

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

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Change the admin status of the bundle

Command Mode

- /exec/configure/anycast

shutdown

[no] shutdown

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	shutdown	

Command Mode

- /exec/configure/catena /exec/configure/catena

shutdown

shutdown | no shutdown

Syntax Description

Syntax Description	no	Negate a command or set its defaults
---------------------------	----	--------------------------------------

shutdown	suspend vPC locally
----------	---------------------

Command Mode

- /exec/configure/vpc-domain

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-mgmt-ether

shutdown

[no] shutdown [force]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

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

shutdown

[no] shutdown [force]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

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

shutdown

[no] shutdown [force]

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	shutdown	Enable/disable an interface
	force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-nve

shutdown

[no] shutdown [force]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-loopback

shutdown

[no] shutdown [force]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-cpp /exec/configure/if-fv /exec/configure/if-fa /exec/configure/if-svc
/exec/configure/if-fc-tunnel /exec/configure/if-sme /exec/configure/if-ioa /exec/configure/if-overlay
/exec/configure/if-te

shutdown

[no] shutdown

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-gig-ether /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vsan /exec/configure/if-iscsi /exec/configure/if-fcip /exec/configure/if-sme /exec/configure/if-ioa /exec/configure/if-vfc /exec/configure/if-vfc-port-channel

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the OSPF protocol instance

Command Mode

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

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shutdown tunnel interface(s)

Command Mode

- /exec/configure/if-any-tunnel

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Disable MPLS forwarding for IP

Command Mode

- /exec/configure/ldp

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/itd /exec/configure/itd-inout

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/itd /exec/configure/itd-inout

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shut down VRRPv3

Command Mode

- /exec/configure/vrrpv3

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shut down the group

Command Mode

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

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shut down the pathway

Command Mode

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

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Enable or disable a VR

Command Mode

- /exec/configure/if-eth-any/vrrp

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this IS-IS process

Command Mode

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

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	shutdown the OSPF protocol instance

Command Mode

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

shutdown

[no] shutdown

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	shutdown	Shutdown current VRF

Command Mode

- /exec/configure/vrf

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shutdown MPLS Traffic Engineering

Command Mode

- /exec/configure/te

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Disable current explicit-path

Command Mode

- /exec/configure/te/expl-path

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the CBTS member LSP

Command Mode

- /exec/configure/tunnel-te/cbts-member

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/plb /exec/configure/plb-inout

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this instance of EIGRP

Command Mode

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

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/smarte /exec/configure/smarte

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-vlan-common

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	OpenFlow switch shutdown

Command Mode

- /exec/configure/openflow/switch

shutdown

[no] shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	OpenFlow switch shutdown

Command Mode

- /exec/configure/openflow/switch/sub-switch

shutdown force

[no] shutdown force

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	Enable/disable an interface

Command Mode

- /exec/configure/if-mgmt-ether

shutdown lan

shutdown lan

Syntax Description

Syntax Description

shutdown Enable/disable an interface

lan Shut all LAN VLANs on interface

Command Mode

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

shutdown lan

[no] shutdown lan

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
shutdown		Enable/disable an interface
lan		Shut all LAN VLANs on interface

Command Mode

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

signalling advertise explicit-null

[no] signalling advertise explicit-null | signalling advertise explicit-null [<acl>]

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
signalling	Traffic Engineering Signalling Parameters
advertise	Signalling advertisement parameters
explicit-null	Advertise explicit-null label in signalling messages
<i>acl</i>	(Optional) Access list

Command Mode

- /exec/configure/te

signalling client batch-time

[no] signalling client batch-time <msec>

Syntax Description

Syntax Description	signalling	Configure RSVP Signalling information
	client	Client information
	batch-time	Time interval between batched messages to client
	msec	Batch-time msec [use 0 to disble, else minimum timer value is 20 msec]

Command Mode

- /exec/configure/ip-rsvp

signalling hello graceful-restart

[no] signalling hello graceful-restart

Syntax Description

Syntax Description		
signalling		Configure RSVP Signalling information
hello		RSVP Hello configuration commands
graceful-restart		RSVP Graceful restart commands

Command Mode

- /exec/configure/ip-rsvp

signalling hello graceful-restart refresh interval

[no] signalling hello graceful-restart refresh interval <value>

Syntax Description

Syntax Description		
signalling		Configure RSVP Signalling information
hello		RSVP Hello configuration commands
graceful-restart		RSVP Graceful restart commands
refresh		Configure RSVP Hello refresh behavior for Graceful Restart
interval		Time between sending Hello Requests for Graceful Restart
<i>value</i>		Hello interval in msec

Command Mode

- /exec/configure/ip-rsvp

signalling hello graceful-restart refresh misses

[no] signalling hello graceful-restart refresh misses <value>

Syntax Description

Syntax Description		
signalling	Configure RSVP Signalling information	
hello	RSVP Hello configuration commands	
graceful-restart	RSVP Graceful restart commands	
refresh	Configure RSVP Hello refresh behavior for Graceful Restart	
misses	Number of Hello misses for Graceful Restart	
<i>value</i>	Number of missed Hello Acks which triggers neighbor down	

Command Mode

- /exec/configure/ip-rsvp

signalling hello graceful-restart send recovery-time

[no] signalling hello graceful-restart send recovery-time <value>

Syntax Description

Syntax Description		
signalling		Configure RSVP Signalling information
hello		RSVP Hello configuration commands
graceful-restart		RSVP Graceful restart commands
send		Configure the restart-time in outgoing Hello msgs
recovery-time		Configure the recovery-time in outgoing GR Hello msgs
<i>value</i>		recovery-time in msec

Command Mode

- /exec/configure/ip-rsvp

signalling hello graceful-restart send restart-time

[no] signalling hello graceful-restart send restart-time <value>

Syntax Description

Syntax Description		
signalling	Configure RSVP Signalling information	
hello	RSVP Hello configuration commands	
graceful-restart	RSVP Graceful restart commands	
send	Configure the restart-time in outgoing Hello msgs	
restart-time	Configure the restart-time in outgoing GR Hello msgs	
<i>value</i>	restart-time in msec	

Command Mode

- /exec/configure/ip-rsvp

signalling hello reroute

[no] signalling hello reroute

Syntax Description

Syntax Description	
signalling	Configure RSVP Signalling information
hello	RSVP Hello configuration commands
reroute	RSVP Reroute commands

Command Mode

- /exec/configure/ip-rsvp

signalling initial-retransmit-delay

[no] signalling initial-retransmit-delay <msec>

Syntax Description

Syntax Description		
signalling		Configure RSVP Signalling information
initial-retransmit-delay		RSVP Initial retransmit delay
<i>msec</i>		Initial retransmit delay in millisec

Command Mode

- /exec/configure/ip-rsvp

signalling patherr state-removal

[no] signalling patherr state-removal

Syntax Description

Syntax Description		
signalling	Configure RSVP	Signalling information
patherr	Configure Path-Error	processing
state-removal	Setup automatic removal of path-state	

Command Mode

- /exec/configure/ip-rsvp

signalling rate-limit

```
[no] signalling rate-limit { [ interval <msec> ] [ limit <messages> ] } | { [ limit <messages> ] [ interval <msec> ] }
```

Syntax Description

Syntax Description

signalling Configure RSVP Signalling information

rate-limit Configure rate-limiting

interval (Optional) Configure scheduling interval

msec (Optional) Interval in millisecc

limit (Optional) Configure message limit per scheduling interval

messages (Optional) Message limit value

Command Mode

- /exec/configure/ip-rsvp

signalling refresh interval

[no] signalling refresh interval <seconds>

Syntax Description

Syntax Description

signalling Configure RSVP Signalling information

refresh Configure RSVP signaling refresh parameters

interval Set signaling refresh interval

seconds Signaling refresh interval in seconds

Command Mode

- /exec/configure/ip-rsvp

signalling refresh misses

[no] signalling refresh misses <value>

Syntax Description

Syntax Description	signalling	Configure RSVP Signalling information
	refresh	Configure RSVP signaling refresh parameters
	misses	Set refresh misses tolerated before expiring a state
	<i>value</i>	Refresh miss value

Command Mode

- /exec/configure/ip-rsvp

signalling refresh pace

[no] signalling refresh pace

Syntax Description

Syntax Description

signalling Configure RSVP Signalling information

refresh Configure RSVP signaling refresh parameters

pace Pace sending of refresh messages

Command Mode

- /exec/configure/ip-rsvp

signalling refresh reduction

[no] signalling refresh reduction

Syntax Description

Syntax Description

signalling Configure RSVP Signalling information

refresh Configure RSVP signaling refresh parameters

reduction Enable, disable or set refresh reduction parameters

Command Mode

- /exec/configure/ip-rsvp

signalling refresh reduction ack-delay

[no] signalling refresh reduction ack-delay <msec>

Syntax Description

Syntax Description

signalling Configure RSVP Signalling information

refresh Configure RSVP signaling refresh parameters

reduction Enable, disable or set refresh reduction parameters

ack-delay Set delay for sending ACK messages

msec ACK delay value in millisec

Command Mode

- /exec/configure/ip-rsvp

signalling refresh reduction bundle-max-size

[no] signalling refresh reduction bundle-max-size <value>

Syntax Description

Syntax Description		
signalling	Configure RSVP Signalling information	
refresh	Configure RSVP signaling refresh parameters	
reduction	Enable, disable or set refresh reduction parameters	
bundle-max-size	Set bundle-maximum-size	
<i>value</i>	Bundle size in bytes, use zero to disable bundling	

Command Mode

- /exec/configure/ip-rsvp

signalling refresh reduction bundle-transmit-time

[no] signalling refresh reduction bundle-transmit-time <msec>

Syntax Description

Syntax Description		
signalling		Configure RSVP Signalling information
refresh		Configure RSVP signaling refresh parameters
reduction		Enable, disable or set refresh reduction parameters
bundle-transmit-time		Set bundle-transmit-time
<i>msec</i>		Bundle transmit time value in msec

Command Mode

- /exec/configure/ip-rsvp

signalling refresh reduction rapid-retransmit

[no] signalling refresh reduction rapid-retransmit

Syntax Description

Syntax Description		
signalling	Configure RSVP	Signalling information
refresh	Configure RSVP signaling	refresh parameters
reduction	Enable, disable or set refresh reduction	parameters
rapid-retransmit	Rapid-retransmit of RSVP	messages

Command Mode

- /exec/configure/ip-rsvp

signing level

{ [no] signing level { none | cisco | unsigned } | no signing level }

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
signing	Virtual service package signing settings
level	Package signing level allowed for virtual service installation
none	Most restrictive, don't allow package installation
cisco	Allow only Cisco signed packages
unsigned	Least restrictive, allow unsigned and all signing methods

Command Mode

- /exec/configure/virt-serv-global

site-id

{ site-id <s0> | no site-id }

Syntax Description

Syntax Description

no Negate a command or set its defaults

site-id site id of the network where switch is deployed

s0 Provide site id

Command Mode

- /exec/configure/callhome

site-of-origin

```
{ site-of-origin { <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> } } | { no site-of-origin [ { <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> } ] }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
site-of-origin		Site of Origin
<i>ext-comm-soo-aa2nn4</i>		Extcommunity number
<i>ext-comm-soo-aa4nn2</i>		Extcommunity number

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-ether

slave ipv4

[no] slave ipv4 <ip>

Syntax Description

Syntax Description	<i>no</i> (Optional) Negate a command or set its defaults
	<i>slave</i> <i>slave</i>
	<i>ipv4</i> <i>ipv4</i>
	<i>ip</i> IPv4 address (A.B.C.D) of slave

Command Mode

- /exec/configure/ptp-ucast-master

sleep

sleep <i0>

Syntax Description

Syntax Description	sleep Sleep for the specified number of seconds
---------------------------	--

<i>i0</i>	Enter the number of seconds to sleep
-----------	--------------------------------------

Command Mode

- /exec

sleep instance

[no] sleep instance <inst> [<i0>] | sleep instance <inst> <i0>

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	sleep	Sleep for the specified number of seconds
	instance	Label with an instance number
	<i>inst</i>	Instance number
	<i>i0</i>	(Optional) Enter the number of seconds to sleep

Command Mode

- /exec/configure

slot

slot <module> { quoted <quoted-cmd> | <cmd> }

Syntax Description

Syntax Description	slot	run commands on specific linecard (or set slot for commands that take optional slot number)
	<i>module</i>	the slot number (aka module number)
	quoted	enter the command with quotes -> pipe redirection and semi-colon are local
	<i>quoted-cmd</i>	the command(s) to run on lc separated by <space> <semi-colon> <space>
	<i>cmd</i>	the command(s) to run on lc separated by <space> <semi-colon> <space>

Command Mode

- /exec

smart-channel

{ smart-channel <service-name> } | { no smart-channel <service-name> }

Syntax Description

Syntax Description	no	Negate a command or set its defaults
---------------------------	----	--------------------------------------

smart-channel	L2 service
---------------	------------

<i>service-name</i>	L2 service-name
---------------------	-----------------

Command Mode

- /exec/configure

smart-channel internal debug param

[no] smart-channel internal debug param <param-no>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
smart-channel	service card manager
internal	service card manager
debug	debug parameter for testing purpose only
param	set internal param
<i>param-no</i>	1 - disable failaction

Command Mode

- /exec

smart-channel port-group

{ smart-channel port-group <svc-name> } | { no smart-channel port-group <svc-name> }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
smart-channel	service	
port-group	port group	
<i>svc-name</i>	service-name	

Command Mode

- /exec/configure

smtp-host smtp-port reply-to from

```
{ smtp-host { <ipv4> | <ipv6> | <host> } [ smtp-port <port> ] | smtp-port <port> | reply-to <reply> | from <from> |
```

Syntax Description

Syntax Description

	}
smtp-host	SMTP server host
ipv4	IPV4 address
host	DNS name
smtp-port	(Optional) SMTP server port
port	(Optional) Port for SMTP server
reply-to	Reply to email address
reply	Provide reply-to email address
from	From email address
from	Provide from email address

Command Mode

- /exec/configure/email

snapshot create

snapshot create <snapshot-name> <snapshot-description>

Syntax Description

Syntax Description		
snapshot		Create/Delete a snapshot
create		Create a snapshot of running state of selected features
<i>snapshot-name</i>		Name of a snapshot
<i>snapshot-description</i>		Description of a snapshot

Command Mode

- /exec

snapshot delete

snapshot delete <snapshot-name>

Syntax Description

Syntax Description		
snapshot		Create/Delete a snapshot
delete		Delete a single snapshot or all snapshots
<i>snapshot-name</i>		Name of a snapshot

Command Mode

- /exec

snapshot delete ALL

snapshot delete ALL

Syntax Description

Syntax Description

snapshot Create/Delete a snapshot

delete Delete a single snapshot or all snapshots

ALL Delete all snapshots present on the switch

Command Mode

- /exec

snapshot section add

snapshot section add <name> <command> <row-id> <key1> [<key2>]

Syntax Description

Syntax Description	
snapshot	Create/Delete a snapshot
section	Add/Delete a snapshot section
add	Add a snapshot section
<i>name</i>	Name of a section
<i>command</i>	'show' command to generate XML output
<i>row-id</i>	tag of each row entry of the 'show' XML output
<i>key1</i>	first key to distinguish among row entries with
<i>key2</i>	(Optional) second key to distinguish among row entries with

Command Mode

- /exec

snapshot section delete

snapshot section delete <name>

Syntax Description

Syntax Description

snapshot Create/Delete a snapshot

section Add/Delete a snapshot
section

delete Delete a snapshot section

name Name of a section

Command Mode

- /exec

snmp-server aaa-user cache-timeout

[no] snmp-server aaa-user cache-timeout <timeout>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	snmp-server	Configure snmp server
	aaa-user	set duration for which aaa-cached snmp user exists
	cache-timeout	timeout for AAA cache
	timeout	timeout for which aaa-cached user exists(in secs)

Command Mode

- /exec/configure

snmp-server community

```
[no] snmp-server community <s0> [ { group <s1> | ro | rw } ]
```

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
community	set community string and access privs
s0	SNMP community string
group	(Optional) Group to which the community belongs
s1	(Optional) Group to which the community belongs
ro	(Optional) Read-only access with this community string
rw	(Optional) Read-write access with this community string

Command Mode

- /exec/configure

snmp-server community

```
{ no snmp-server community <community_name> { use-ipv4acl [ <ipv4_acl_name> ] use-ipv6acl [
<ipv6_acl_name> ] | use-ipv4acl [ <ipv4_acl_name> ] | use-ipv6acl [ <ipv6_acl_name> ] } | snmp-server
community <community_name> { use-ipv4acl <ipv4_acl_name> use-ipv6acl <ipv6_acl_name> | use-ipv4acl
<ipv4_acl_name> | use-ipv6acl <ipv6_acl_name> } }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
snmp-server		Configure snmp server
community		set community string and access privs
<i>community_name</i>		SNMP community string
use-ipv4acl		Specify IPv4 ACL, the ACL name specified after must be IPv4 ACL.
<i>ipv4_acl_name</i>		(Optional) IPv4 ACL name to filter snmp requests
use-ipv6acl		Specify IPv6 ACL, the ACL name specified after must be IPv6 ACL.
<i>ipv6_acl_name</i>		(Optional) IPv6 ACL name to filter snmp requests

Command Mode

- /exec/configure

snmp-server community use-acl

[no] snmp-server community <community_name> use-acl <acl_name>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
community		set community string and access privs
<i>community_name</i>		SNMP community string
use-acl		acl name to filter snmp requests
<i>acl_name</i>		acl name to filter snmp requests

Command Mode

- /exec/configure

snmp-server contact

[no] snmp-server contact [<line>]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
contact	modify sysContact
<i>line</i>	(Optional) modify sysContact

Command Mode

- /exec/configure

snmp-server context

```
[no] snmp-server context <context_name> [ instance <instance-name> ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ topology <topology-name> ]
```

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
context		SNMP context to be mapped
<i>context_name</i>		name of the SNMP context
instance	(Optional)	Protocol instance associated with the SNMP context
<i>instance-name</i>	(Optional)	Name of the protocol instance
vrf	(Optional)	VRF associated with the SNMP context
<i>vrf-name</i>	(Optional)	VRF name
<i>vrf-known-name</i>	(Optional)	Known VRF name
topology	(Optional)	Topology associated with the SNMP context
<i>topology-name</i>	(Optional)	name of the Topology

Command Mode

- /exec/configure

snmp-server context type len val

[no] snmp-server context <context_name> type { vrf | topology | instance | vlan | mst } len <i2> val <i3>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
context	SNMP context to be mapped
<i>context_name</i>	name of the SNMP context
type	type of association to context
instance	Protocol instance associated with the SNMP context
vrf	VRF associated with the SNMP context
topology	Topology associated with the SNMP context
vlan	Vlan id associated with the SNMP context
mst	Mst id associated with the SNMP context
len	Length of value
<i>i2</i>	Length of value
val	Value
<i>i3</i>	Value of variable associated with the SNMP context

Command Mode

- /exec/configure

snmp-server counter cache-enable

[no] snmp-server counter cache-enable

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	snmp-server	Configure snmp server
	counter	Configure port counter configuration
	cache-enable	Enable port stats cache

Command Mode

- /exec/configure

snmp-server counter cache enable

[no] snmp-server counter cache enable

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
counter	Configure port counter configuration
cache	port stats cache
enable	enable port stats cache

Command Mode

- /exec/configure

snmp-server counter cache timeout

[no] snmp-server counter cache timeout <timeout>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
counter	Configure port counter configuration
cache	Port stats cache
timeout	Timeout for port stats cache
<i>timeout</i>	Timeout for which cached port stats exists(in secs)

Command Mode

- /exec/configure

snmp-server enable traps

[no] snmp-server enable traps [<trap_arg> [<trap_sub_category> +]]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
enable		Enable SNMP Traps
traps		Enable SNMP traps
<i>trap_arg</i>	(Optional)	Enable __left__ traps
<i>trap_sub_category</i>	(Optional)	Enter the trap

Command Mode

- /exec/configure

snmp-server enable traps bgp

[no] snmp-server enable traps bgp [{ state-changes [<subsystem> +] }]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
enable		Enable SNMP Traps
traps		Enable SNMP traps
bgp		Enable SNMP BGP traps
state-changes	(Optional)	Traps for FSM state changes
<i>subsystem</i>	(Optional)	subsystem within BGP for SNMP traps

Command Mode

- /exec/configure

snmp-server enable traps bgp cbgp2

[no] snmp-server enable traps bgp cbgp2 [{ state-changes [<subsystem> +] }]

Syntax Description

Syntax Description	Description
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
cbgp2	Enable SNMP CISCO-BGP-MIBv2 traps
state-changes	(Optional) Traps for FSM state changes
subsystem	(Optional) subsystem within BGP for SNMP traps

Command Mode

- /exec/configure

snmp-server enable traps bgp cbgp2 threshold prefix

[no] snmp-server enable traps bgp cbgp2 threshold prefix

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
enable		Enable SNMP Traps
traps		Enable SNMP traps
bgp		Enable SNMP BGP traps
cbgp2		Enable SNMP CISCO-BGP-MIBv2 traps
threshold		Traps for threshold events
prefix		CISCO specific trap for prefix threshold events

Command Mode

- /exec/configure

snmp-server enable traps bgp threshold prefix

[no] snmp-server enable traps bgp threshold prefix

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
threshold	Traps for threshold events
prefix	CISCO specific trap for prefix threshold events

Command Mode

- /exec/configure

snmp-server enable traps eigrp

[no] snmp-server enable traps eigrp [<eigrp-ptag>]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
enable		Enable SNMP Traps
traps		Enable SNMP traps
eigrp		Enable SNMP EIGRP traps
<i>eigrp-ptag</i>	(Optional)	Process tag

Command Mode

- /exec/configure

snmp-server enable traps ospf

[no] snmp-server enable traps ospf [<tag>]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospf	Enable SNMP OSPF traps
tag	(Optional) Process tag

Command Mode

- /exec/configure

snmp-server enable traps ospf lsa

[no] snmp-server enable traps ospf [<tag>] lsa

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
enable		Enable SNMP Traps
traps		Enable SNMP traps
ospf		Enable SNMP OSPF traps
<i>tag</i>	(Optional)	Process tag
lsa		Allow sending LSA traps

Command Mode

- /exec/configure

snmp-server enable traps ospf rate-limit

```
{ { no snmp-server enable traps ospf [ <tag> ] rate-limit [ <window> <rate> ] } | { snmp-server enable traps
ospf [ <tag> ] rate-limit <window> <rate> } }
```

Syntax Description

Syntax Description		
<code>no</code>		Negate a command or set its defaults
<code>snmp-server</code>		Configure snmp server
<code>enable</code>		Enable SNMP Traps
<code>traps</code>		Enable SNMP traps
<code>ospf</code>		Enable SNMP OSPF traps
<code>tag</code>		(Optional) Process tag
<code>rate-limit</code>		Trap rate limit values
<code>window</code>		(Optional) Rate limit window size in seconds
<code>rate</code>		(Optional) Max number of traps sent in window time
<code>tag</code>		(Optional)

Command Mode

- /exec/configure

snmp-server enable traps ospfv3

[no] snmp-server enable traps ospfv3 [<tag>]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
tag	(Optional) Process tag

Command Mode

- /exec/configure

snmp-server enable traps ospfv3 lsa

[no] snmp-server enable traps ospfv3 [<tag>] lsa

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
tag	(Optional) Process tag
lsa	Enable SNMP OSPFv3 LSA traps

Command Mode

- /exec/configure

snmp-server enable traps ospfv3 rate-limit

```
{ { no snmp-server enable traps ospfv3 [ <tag> ] rate-limit } | { snmp-server enable traps ospfv3 [ <tag> ]
rate-limit <swindow> <rate> } }
```

Syntax Description

Syntax Description	no	Negate a command or set its defaults
snmp-server	Configure snmp server	
enable	Enable SNMP Traps	
traps	Enable SNMP traps	
ospfv3	Enable SNMP OSPFv3 traps	
<i>tag</i>	(Optional) Process tag	
rate-limit	Trap rate limit values	
<i>swindow</i>	Rate limit window size in seconds	
<i>rate</i>	Max number of traps sent in window time	
<i>tag</i>	(Optional)	

Command Mode

- /exec/configure

snmp-server enable traps storm-control trap-rate

[no] snmp-server enable traps storm-control trap-rate <rate-per-minute>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
enable		Enable SNMP Traps
traps		Enable SNMP traps
storm-control		Enable storm-control traps
trap-rate		Number of traps per minute
<i>rate-per-minute</i>	per Minute	(0 means no upper rate)

Command Mode

- /exec/configure

snmp-server engineID local

snmp-server engineID local <engineID> | no snmp-server engineID local [<engineID>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
engineID	Configure a local SNMPv3 engineID
local	engineID of the local agent
<i>engineID</i>	engine ID should be an even number of hexadecimal characters, which ranges from 10 to 64 where every two hexadecimal characters should be separated by colon. Including colons-

Command Mode

- /exec/configure

snmp-server force-unload-feature

snmp-server force-unload-feature <feature_name>

Syntax Description

Syntax Description		
snmp-server		Configure snmp server
force-unload-feature		unload mibs of conditional feature forcefully
<i>feature_name</i>		conditional feature name

Command Mode

- /exec/configure

snmp-server globalEnforcePriv

[no] snmp-server globalEnforcePriv

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
globalEnforcePriv	globally enforce privacy for all the users

Command Mode

- /exec/configure

snmp-server host

```
[no] snmp-server host <host0> { <s6> | [ informs | traps ] } { { version { 1 <s0> | 2c <s1> | 3 { auth <s2> | noauth <s3> | priv <s4> } } } | <s5> } } [ udp-port <i1> ]
```

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
host	Specify hosts to receive SNMP notifications
<i>host0</i>	IPv4 or IPv6 address or DNS Name of SNMP notification host
informs	(Optional) Send Inform messages to this host
traps	(Optional) Send Traps messages to this host
version	SNMP version to use for notification messages
1	Use SNMPv1
<i>s0</i>	SNMP community string or SNMPv3 user name
udp-port	(Optional) The notification host's UDP port number
<i>i1</i>	(Optional) The notification host's UDP port number
2c	Use SNMPv2c
<i>s1</i>	SNMP community string or SNMPv3 user name
3	Use SNMPv3
auth	Use the SNMPv3 authNoPriv Security Level
<i>s2</i>	SNMP community string or SNMPv3 user name
noauth	Use the SNMPv3 noAuthNoPriv Security Level
<i>s3</i>	SNMP community string or SNMPv3 user name
priv	Use the SNMPv3 authPriv Security Level
<i>s4</i>	SNMP community string or SNMPv3 user name
<i>s5</i>	SNMP community string or SNMPv3 user name
<i>s6</i>	SNMP community string or SNMPv3 user name

Command Mode

- /exec/configure

snmp-server host filter-vrf

```
[no] snmp-server host <host0> filter-vrf { <vrf-name> | <vrf-known-name> } [ udp-port <i1> ]
```

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
host		Specify hosts to receive SNMP notifications
<i>host0</i>		IPv4 or IPv6 address or DNS Name of SNMP notification host
filter-vrf		Filters notifications to the notification host receiver based on the configured VRF
<i>vrf-name</i>		VRF name
<i>vrf-known-name</i>		Known VRF name
udp-port	(Optional)	The notification host's UDP port number
<i>i1</i>	(Optional)	The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server host source

[no] snmp-server host <host0> { source-interface <ifName> } [udp-port <i1>]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
host		Specify hosts to send SNMP notifications
<i>host0</i>		IPv4 or IPv6 address or DNS Name of SNMP notification host
source-interface		Source interface to be used for sending out SNMP notifications to this host
<i>ifName</i>		Source interface name
udp-port	(Optional)	The notification host's UDP port number
<i>i1</i>	(Optional)	The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server host use-vrf

```
[no] snmp-server host <host0> use-vrf { <vrf-name> | <vrf-known-name> } [ udp-port <i1> ]
```

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Configure snmp server
host		Specify hosts to receive SNMP notifications
<i>host0</i>		IPv4 or IPv6 address or DNS Name of SNMP notification host
use-vrf		Configures SNMP to use the selected VRF to communicate with the host receiver
<i>vrf-name</i>		VRF name
<i>vrf-known-name</i>		Known VRF name
udp-port	(Optional)	The notification host's UDP port number
<i>i1</i>	(Optional)	The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server host use_vrf

```
[no] snmp-server host <host0> { use_vrf <s0> | filter_vrf <s1> } [ udp-port <i1> ]
```

Syntax Description

Syntax Description	Description
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
host	Specify hosts to receive SNMP notifications
<i>host0</i>	IPv4 or IPv6 address or DNS Name of SNMP notification host
use_vrf	Configures SNMP to use the selected VRF to communicate with the host receiver
<i>s0</i>	VRF name
filter_vrf	Filters notifications to the notification host receiver based on the configured VRF
<i>s1</i>	VRF name
udp-port	(Optional) The notification host's UDP port number
<i>i1</i>	(Optional) The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server load-cond-feature

[no] snmp-server load-cond-feature <feature_name>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	snmp-server	Configure snmp server
	load-cond-feature	load or unload mibs of conditional feature
	<i>feature_name</i>	conditional feature name

Command Mode

- /exec/configure

snmp-server load-mib

[no] snmp-server load-mib <mib_name>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	snmp-server	Configure snmp server
	load-mib	load a given mib
	<i>mib_name</i>	mib module name

Command Mode

- /exec/configure

snmp-server location

[no] snmp-server location [<line>]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
location	modify sysLocation
<i>line</i>	(Optional) modify sysLocation

Command Mode

- /exec/configure

snmp-server mib community-map context

[no] snmp-server mib community-map <community_name> context <context_name>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
mib	mib access parameters
community-map	SNMP community
<i>community_name</i>	SNMP community string
context	SNMP context to be mapped
<i>context_name</i>	name of the SNMP context

Command Mode

- /exec/configure

snmp-server mib mpls vpn max-threshold

[no] snmp-server mib mpls vpn max-threshold <time>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
snmp-server		Modify non engine SNMP parameters
mib		MIB commands
mpls		Configurations for MPLS mibs
vpn		Config special SNMP MPLS VPN objects
max-threshold		Config to control MPLS-VPN max threshold exceeded traps
<i>time</i>		Seconds before re-issuing maximum threshold trap

Command Mode

- /exec/configure

snmp-server protocol enable

[no] snmp-server protocol enable

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
protocol	snmp protocol operations
enable	Enable/Disable snmp protocol operations

Command Mode

- /exec/configure

snmp-server source-interface informs

[no] snmp-server source-interface { informs } <ifName>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
source-interface	Source interface to be used for sending out SNMP notifications
<i>ifName</i>	Source interface name
informs	SNMP Inform notifications for which this source interface needs to be used

Command Mode

- /exec/configure

snmp-server source-interface traps

[no] snmp-server source-interface { traps } <ifName>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
source-interface	Source interface to be used for sending out SNMP notifications
<i>ifName</i>	Source interface name
traps	SNMP Trap notifications for which this source interface needs to be used

Command Mode

- /exec/configure

snmp-server system-shutdown

[no] snmp-server system-shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
system-shutdown	Configure snmp-server for reload(2)

Command Mode

- /exec/configure

snmp-server tcp-session

[no] snmp-server tcp-session [auth]

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	snmp-server	Configure snmp server
	tcp-session	Enable one time authentication for snmp over tcp session.
	auth	(Optional) Enable one time authentication for snmp over tcp session.

Command Mode

- /exec/configure

snmp-server user

```
{ no snmp-server user <user_name> { use-ipv4acl [ <ipv4_acl_name> ] use-ipv6acl [ <ipv6_acl_name> ] |
use-ipv4acl [ <ipv4_acl_name> ] | use-ipv6acl [ <ipv6_acl_name> ] } | snmp-server user <user_name> {
use-ipv4acl <ipv4_acl_name> use-ipv6acl <ipv6_acl_name> | use-ipv4acl <ipv4_acl_name> | use-ipv6acl
<ipv6_acl_name> } }
```

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	snmp-server	Configure snmp server
	user	Define a user who can access the SNMP engine
	<i>user_name</i>	Name of the user
	use-ipv4acl	Specify IPv4 ACL, the ACL name specified after must be IPv4 ACL.
	<i>ipv4_acl_name</i>	(Optional) IPv4 ACL name to filter snmp requests
	use-ipv6acl	Specify IPv6 ACL, the ACL name specified after must be IPv6 ACL.
	<i>ipv6_acl_name</i>	(Optional) IPv6 ACL name to filter snmp requests

Command Mode

- /exec/configure

snmp-server user

```
[no] snmp-server user <s0> { enforcePriv | { [ <s1> ] { [ auth { md5 | sha } <s2> { { priv [ aes-128 ] { <s3>
[ localizedkey ] [ { auto | engineID <s4> } ] } } | { [ localizedkey1 ] [ { auto1 | engineID1 <s5> } ] } } } }
}
```

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
user	Define a user who can access the SNMP engine
<i>s0</i>	Name of the user
enforcePriv	Enforce privacy for the user
<i>s1</i>	(Optional) Group name (ignored for notif target user)
auth	(Optional) authentication parameters for the user
md5	(Optional) Use HMAC MD5 algorithm for authentication
sha	(Optional) Use HMAC SHA algorithm for authentication
<i>s2</i>	(Optional) authentication password for user
priv	(Optional) encryption parameters for the user
aes-128	(Optional) Use 128-bit AES algorithm for privacy
<i>s3</i>	(Optional) privacy password for user
localizedkey	(Optional) specifies whether the passwords are in localized key format
auto	(Optional) specifies whether the user is auto created (volatile)
engineID	(Optional) engineID for configuring notif target user (for V3 informs)
<i>s4</i>	(Optional) Specifies notification target's SNMP engineID. Should be an octet of either Decimal (range: 0 to 255) or Hexadecimal (range: 0 to FF) value, each octet being separated by colon. Hexadecimal value should have prefix of 0x or 0X. Including colons-
localizedkey1	(Optional) specifies whether the passwords are in localized key format
auto1	(Optional) specifies whether the user is auto created (volatile)
engineID1	(Optional) engineID for configuring notif target user (for V3 informs)
<i>s5</i>	(Optional) Specifies notification target's SNMP engineID. Should be an octet of either Decimal (range: 0 to 255) or Hexadecimal (range: 0 to FF) value, each octet being separated by colon. Hexadecimal value should have prefix of 0x or 0X. Including colons-

Command Mode

- /exec/configure

snmp-trap event-type policy-name

```
snmp-trap [ intdata1 <integer-data1> ] [ intdata2 <integer-data2> ] [ strdata <string-data> ] event-type <ev_type>
policy-name <name>
```

Syntax Description

Syntax Description		
snmp-trap	Send	
intdata1	(Optional) Enter	
<i>integer-data1</i>	(Optional) Integer	
intdata2	(Optional) Enter	
<i>integer-data2</i>	(Optional) Integer	
strdata	(Optional) Enter	
<i>string-data</i>	(Optional) String	
event-type	Event type	
<i>ev_type</i>	Event type	
policy-name	Policy Name	
<i>name</i>	Policy Name	

Command Mode

- /exec

snmp ifmib ifalias long

[no] snmp ifmib ifalias long

Syntax Description

Syntax Description	no (Optional) Negate a command or set its defaults
	snmp Configure snmp
	ifmib Configure snmp interface mib feature
	ifalias Configure snmp interface alias attribute for interface mib
	long Enable long description up to 256 characters for interface alias

Command Mode

- /exec/configure

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
snmp		Modify SNMP interface parameters
trap		Allow a specific SNMP trap
link-status		Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-gig-ether-sub /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub-p2p

snmp trap link-status

snmp trap link-status

Syntax Description

Syntax Description	
snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

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

snmp trap link-status

[no] snmp trap link-status

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
snmp		Modify SNMP interface parameters
trap		Allow a specific SNMP trap
link-status		Allow SNMP LINKUP and LINKDOWN traps

Command Mode

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

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
snmp		Modify SNMP interface parameters
trap		Allow a specific SNMP trap
link-status		Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-mgmt-ether

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

Syntax Description		
no		Negate a command
snmp		Modify SNMP interface parameters
trap		Allow a specific SNMP trap
link-status		Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-any-tunnel

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
snmp		Modify SNMP interface parameters
trap		Allow a specific SNMP trap
link-status		Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-vlan-common

snsr-grp sample-interval

snsr-grp <sn-grp-id> sample-interval <cadence> | no snsr-grp <sn-grp-id>

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	snsr-grp	Associated sensor group
	sample-interval	Cadence Time in milliseconds(0 for events)

Command Mode

- /exec/configure/telemetry/subscription

sockets internal event-history size

[no] sockets internal event-history { errors | setup | ha | event | proto | log } size { <size_in_text> | <size_in_Kbytes> }

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
sockets	Display sockets status and configuration	
internal	Commands for internal use	
event-history	various event logs of sockets	
errors	error logs of sockets	
setup	setup debug message of sockets	
ha	ha debug message of sockets	
event	events/pcb debug message of sockets	
proto	tcp/udp/raw ip debug message of sockets	
log	syslog message of sockets	
size	Configure the size of the event-hist buffer	
<i>size_in_text</i>	Buffer size	
<i>size_in_Kbytes</i>	Size of the file in kbytes	

Command Mode

- /exec

sockets local-port-range

{ { no sockets local-port-range } | { sockets local-port-range <start-port> <end-port> } }

Syntax Description

Syntax Description		
<i>no</i>		Negate a command or set its defaults
<i>sockets</i>		Negate a command or set its defaults
<i>local-port-range</i>		Define local port range for Kstack. Note: This CLI requires switch to be reloaded
<i>start-port</i>		Start port of local port range
<i>end-port</i>		End port of local port range

Command Mode

- /exec/configure /exec/configure/config-mgmt

soft-reconfiguration inbound

```
{ soft-reconfiguration inbound [ always ] } | { no soft-reconfiguration inbound } | { default soft-reconfiguration inbound }
```

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	default	Inherit values from a peer template
	soft-reconfiguration	Soft reconfiguration
	inbound	Allow inbound soft reconfiguration
	always	(Optional) Always perform inbound soft reconfiguration

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

soft-reconfiguration inbound

{ soft-reconfiguration inbound [always] } | { no soft-reconfiguration inbound } | { default soft-reconfiguration inbound }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
default		Inherit values from a peer template
soft-reconfiguration		Soft reconfiguration
inbound		Allow inbound soft reconfiguration
always		(Optional) Always perform inbound soft reconfiguration

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

soo auto

```
{ [ no ] soo { auto | <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> } } | { default soo }
```

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	default	Inherit values from a peer template
	soo	Specify Site-of-origin extcommunity
	auto	Generate SOO automatically
	<i>ext-comm-soo-aa4nn2</i>	VPN extcommunity in aa4:nn or ip:nn format
	<i>ext-comm-soo-aa2nn4</i>	VPN extcommunity in aa:nn format

Command Mode

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

sort

| sort [-b | -d | -f | -g | -i | -M | -n | -r | -k <key> | -t <delim> | -u] +

Syntax Description

Syntax Description

	Pipe command output to filter
sort	Stream Sorter
-b	(Optional) ignore leading blanks
-d	(Optional) consider only blanks and alphanumeric characters
-f	(Optional) fold lower case to upper case characters
-g	(Optional) compare according to general numerical value
-i	(Optional) consider only printable characters
-M	(Optional) month sort
-n	(Optional) compare according to string numerical value
-r	(Optional) reverse the result of comparisons
-k	(Optional) provide a key
-t	(Optional) use different separator instead of non-blank to blank transition
-u	(Optional) remove duplicate lines
<i>key</i>	(Optional) key in format POS1[,POS2] with POS = <field-nb>[.<char-pos>][<ordering>]
<i>delim</i>	(Optional) field delimiter char

Command Mode

- /output

source-group

[no] source-group <source> <group>

Syntax Description

Syntax Description	<i>no</i>	(Optional) Negate a command or set its defaults
	<i>source-group</i>	Source Group
	<i>source</i>	Configure source address
	<i>group</i>	Configure group address

Command Mode

- /exec/configure/if-nve

source-interface

[no] source-interface | source-interface <interface>

Syntax Description

Syntax Description	
<i>no</i>	Negate a command or set its defaults
<i>source-interface</i>	Source interface to be used to reach tacacs server
<i>interface</i>	Interface (default is mgmt)

Command Mode

- /exec/configure/tacacs+

source-interface

source-interface <interface> | no source-interface

Syntax Description

Syntax Description	no	Negate a command or set its defaults
---------------------------	----	--------------------------------------

source-interface	NVE Source-Interface
------------------	----------------------

interface

Command Mode

- /exec/configure/if-nve

source-interface

[no] source-interface | source-interface <interface>

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
source-interface	Source interface to be used to reach radius server
interface	Interface (default is mgmt)

Command Mode

- /exec/configure/radius

source-interface hold-down-time

[no] source-interface hold-down-time <sec>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	source-interface	NVE Source-Interface
	hold-down-time	Hold source loopback down time
	<i>sec</i>	time in seconds

Command Mode

- /exec/configure/if-nve

source

{ [no] source <intf> | no source }

Syntax Description

Syntax Description	<code>source</code> Source Interface for this destination
	<code>intf</code> Interface

Command Mode

- /exec/configure/nfm-exporter

source

source [background] <file> [<args>] +

Syntax Description

Syntax Description

source run a script (python, tcl,...) from bootflash:scripts

background (Optional) run the script in the background, see also 'show background' and 'kill background'

file the script file to run

args (Optional) argument to be passed to script

Command Mode

- /exec

source

| source <file> [<args>] +

Syntax Description

Syntax Description

| Pipe command output to filter

source run a script (python, tcl,...) from bootflash:scripts

file the script file to run

args (Optional) argument to be passed to script

Command Mode

- /output

source

source { <ipaddr> } | no source

Syntax Description

Syntax Description	no	Negate a command or set its defaults
---------------------------	----	--------------------------------------

source	source of tunnel packets
--------	--------------------------

<i>ipaddr</i>	ip address (A.B.C.D)
---------------	----------------------

Command Mode

- /exec/configure/if-te

source

source <srcip> | no source

Syntax Description

Syntax Description

no Negate a command or set its defaults

source Source address for connection to controllers

srcip IP address of source

Command Mode

- /exec/configure/openflow/switch

source copy-sys

source copy-sys

Syntax Description

Syntax Description

source run a script (python, tcl,...) from bootflash:scripts

copy-sys copy the system provided example scripts of /sys to bootflash:scripts

Command Mode

- /exec

source filter ip

```
[no] source filter ip { <ip-addr> <ip-mask> } [ ip | { { udp | tcp } { <port_num> | any } } ] [ { arp | advertise } { enable | disable } ]
```

Syntax Description

Syntax Description	Description
no	(Optional) Negate a command or set its defaults
source	source ip configuration
filter	source filters
ip	source ip
<i>ip-addr</i>	IP address in format i.i.i.i
<i>ip-mask</i>	IP network mask in format m.m.m.m
ip	(Optional) IP Protocol
udp	(Optional) UDP Protocol
tcp	(Optional) TCP Protocol
<i>port_num</i>	(Optional) Port Number
any	(Optional) Any Port Number
arp	(Optional) ARP
advertise	(Optional) advertise
enable	(Optional) Enable
disable	(Optional) Disable

Command Mode

- /exec/configure/smarte

source filter ip any any

[no] source filter ip any any

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	source	source ip configuration
	filter	source filters
	ip	source ip
	any	Any IP

Command Mode

- /exec/configure/smartc

spanning-tree bpdudfilter

spanning-tree bpdudfilter <port-bpdudfilter> | no spanning-tree bpdudfilter [<port-bpdudfilter>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
bpdudfilter		Don't send or receive BPDUs on this interface
<i>port-bpdudfilter</i>		Don't send or receive BPDUs on this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree bpduguard

spanning-tree bpduguard <port-bpduguard> | no spanning-tree bpduguard [<port-bpduguard>]

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	spanning-tree	Spanning Tree Subsystem
	bpduguard	Don't accept BPDUs on this interface
	<i>port-bpduguard</i>	Don't accept BPDUs on this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree bridge-domain

[no] spanning-tree bridge-domain <bd-id>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	spanning-tree	Spanning Tree Subsystem
	bridge-domain	Bridge-Domain Switch Spanning Trees
	<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11

Command Mode

- /exec/configure

spanning-tree bridge assurance

[no] spanning-tree bridge assurance

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
bridge	Spanning tree bridge options
assurance	Enable Bridge Assurance on all network ports

Command Mode

- /exec/configure

spanning-tree cost

spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] cost <port-cost> | no spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] cost [<port-cost>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
vlan	(Optional)	VLAN Switch Spanning Trees
bridge-domain	(Optional)	Bridge-Domain Switch Spanning Trees
vlan-id	(Optional)	vlan range, Example: 1,3-5,7,9-11
vlan-id	(Optional)	vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional)	Bridge-Domain range, Example: 2,4-5,7,9-11
cost		Change an interface's spanning tree port path cost
port-cost		port path cost

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree cost auto

[no] spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] cost auto

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
vlan	(Optional)	VLAN Switch Spanning Trees
bridge-domain	(Optional)	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional)	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional)	Bridge-Domain range, Example: 2,4-5,7,9-11
cost		Change an interface's spanning tree port path cost
auto		Determine cost based on media speed of this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree domain

spanning-tree domain { enable | disable | <domain-id> } | no spanning-tree domain [enable]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
domain		Spanning Tree Domain
enable		Enable Spanning Tree Domain
disable		Disable Spanning Tree Domain
<i>domain-id</i>		Domain Identifier

Command Mode

- /exec/configure

spanning-tree domain clear statistics

spanning-tree domain clear statistics

Syntax Description

Syntax Description

spanning-tree	Spanning Tree Subsystem
---------------	-------------------------

domain	Spanning Tree Domain
--------	----------------------

clear	Clear
-------	-------

statistics	Clear Statistics
------------	------------------

Command Mode

- /exec/configure

spanning-tree fcoe

[no] spanning-tree fcoe

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
fcoe	Enable STP for FCoE VLANs

Command Mode

- /exec/configure

spanning-tree guard

spanning-tree guard <guard-type> | no spanning-tree guard [<guard-type>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
guard		Change an interface's spanning tree guard mode
<i>guard-type</i>		Change an interface's spanning tree guard mode

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree lc-issu

spanning-tree lc-issu <issu-type> | no spanning-tree lc-issu [<issu-type>]

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	spanning-tree	Spanning Tree Subsystem
	lc-issu	Configure Linecard ISSU type
	<i>issu-type</i>	ISSU Type

Command Mode

- /exec/configure

spanning-tree lc-issu

spanning-tree lc-issu <port-issu-type> | no spanning-tree lc-issu [<port-issu-type>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
lc-issu		Configure Linecard ISSU type
<i>port-issu-type</i>		ISSU Type

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree link-type

spanning-tree link-type <link-type-val> | no spanning-tree link-type [<link-type-val>]

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	spanning-tree	Spanning Tree Subsystem
	link-type	Specify a link type for spanning tree tree protocol use
	<i>link-type-val</i>	Specify a link type for spanning tree tree protocol use

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree loopguard default

[no] spanning-tree loopguard default

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	spanning-tree	Spanning Tree Subsystem
	loopguard	Spanning tree loopguard options
	default	Enable loopguard by default on all ports

Command Mode

- /exec/configure

spanning-tree mode

spanning-tree mode <stp-mode> | no spanning-tree mode [<stp-mode>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
mode		Spanning Tree operating mode
<i>stp-mode</i>		Spanning Tree operating mode

Command Mode

- /exec/configure

spanning-tree mst configuration

spanning-tree mst configuration

Syntax Description

Syntax Description

spanning-tree Spanning Tree Subsystem

mst Multiple spanning tree configuration

configuration Enter MST configuration submode

Command Mode

- /exec/configure

spanning-tree mst configuration

[no] spanning-tree mst configuration

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
mst		Multiple spanning tree configuration
configuration		Enter MST configuration submode

Command Mode

- /exec/configure

spanning-tree mst cost

spanning-tree mst <mst-id> cost <port-cost> | no spanning-tree mst <mst-id> cost [<port-cost>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
mst		Multiple spanning tree
<i>mst-id</i>		MST instance list, example 0,2-4,6,8-12
cost		Change an interface's spanning tree port path cost
<i>port-cost</i>		port path cost

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst cost auto

[no] spanning-tree mst <mst-id> cost auto

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
<i>mst-id</i>	MST instance list, example 0,2-4,6,8-12
cost	Change an interface's spanning tree port path cost
auto	Determine cost based on media speed of this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst forward-time

spanning-tree mst forward-time <fwd-time> | no spanning-tree mst forward-time [<fwd-time>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
mst		Multiple spanning tree configuration
forward-time		Set the forward delay for the spanning tree
<i>fwd-time</i>		number of seconds for the forward delay timer

Command Mode

- /exec/configure

spanning-tree mst hello-time

spanning-tree mst hello-time <hello-time-val> | no spanning-tree mst hello-time [<hello-time-val>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
hello-time	Set the hello interval for the spanning tree
<i>hello-time-val</i>	number of seconds between generation of config bpdu

Command Mode

- /exec/configure

spanning-tree mst max-age

spanning-tree mst max-age <max-age-val> | no spanning-tree mst max-age [<max-age-val>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
mst		Multiple spanning tree configuration
max-age		Set the max age interval for the spanning tree
<i>max-age-val</i>		maximum number of seconds the information in a bpdu is valid

Command Mode

- /exec/configure

spanning-tree mst max-hops

spanning-tree mst max-hops <max-hops-val> | no spanning-tree mst max-hops [<max-hops-val>]

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	spanning-tree	Spanning Tree Subsystem
	mst	Multiple spanning tree configuration
	max-hops	Set the max hops value for the spanning tree
	<i>max-hops-val</i>	maximum number of hops a BPDU is valid

Command Mode

- /exec/configure

spanning-tree mst port-priority

spanning-tree mst <mst-id> port-priority <port-prio> | no spanning-tree mst <mst-id> port-priority [<port-prio>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
mst		Multiple spanning tree
<i>mst-id</i>		MST instance list, example 0,2-4,6,8-12
port-priority		Change an interface's spanning tree port priority
<i>port-prio</i>		Spanning-tree port priority

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst pre-standard

[no] spanning-tree mst pre-standard

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
pre-standard	Force pre-standard MST BPDU transmission on port

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst priority

spanning-tree mst <mst-id> priority <prio> | no spanning-tree mst <mst-id> priority [<prio>]

Syntax Description

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

Command Mode

- /exec/configure

spanning-tree mst root

```
spanning-tree mst <mst-id> root <root-type> [ diameter <diameter-val> [ hello-time <hello-time-val> ] ] | no
spanning-tree mst <mst-id> root [ <root-type> [ diameter <diameter-val> [ hello-time <hello-time-val> ] ] ]
```

Syntax Description

Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>spanning-tree</code>	Spanning Tree Subsystem
<code>mst</code>	Multiple spanning tree configuration
<i>mst-id</i>	MST instance range, example: 0-3,5,7-9
<code>diameter</code>	(Optional) Network diameter of this spanning tree
<i>diameter-val</i>	(Optional) Maximum number of bridges between any two end nodes
<code>root</code>	configure switch as root
<i>root-type</i>	configure switch as root
<code>hello-time</code>	(Optional) Set the hello interval for the spanning tree
<i>hello-time-val</i>	(Optional) number of seconds between generation of config bpdu

Command Mode

- /exec/configure

spanning-tree mst simulate pvst

[no] spanning-tree mst simulate pvst [<simpvst-disable>]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
mst		Multiple spanning tree
simulate		Enable spanning tree simulation
pvst		Enable PVST simulation
<i>simpvst-disable</i>	(Optional)	Disable PVST simulation on this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst simulate pvst global

[no] spanning-tree mst simulate pvst global

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
simulate	Enable spanning tree simulation
pvst	Enable PVST simulation
global	Enable PVST Simulation by default on all ports

Command Mode

- /exec/configure

spanning-tree pathcost method

spanning-tree pathcost method <method-val> | no spanning-tree pathcost method [<method-val>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
pathcost		Spanning tree pathcost options
method		Method to calculate default port path cost
<i>method-val</i>		Method to calculate default port path cost

Command Mode

- /exec/configure

spanning-tree port-priority

spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] port-priority <port-prio> | no spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] port-priority [<port-prio>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
port-priority	Change an interface's spanning tree port priority
<i>port-prio</i>	Spanning-tree port priority

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree port type

spanning-tree port type <port-type> | no spanning-tree port type [<port-type>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
port		Spanning tree port options
type		Specify a port type for spanning tree protocol use
<i>port-type</i>		Specify a port type for spanning tree protocol use

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree port type edge bpdufilter default

[no] spanning-tree port type edge bpdufilter default

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
bpdufilter	Enable edge port (portfast) bpdu filter on this switch
default	Enable bpdu filter by default on all edge (portfast) ports

Command Mode

- /exec/configure

spanning-tree port type edge bpduguard default

[no] spanning-tree port type edge bpduguard default

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
bpduguard	Enable edge port (portfast) bpduguard on this switch
default	Enable bpduguard by default on all edge (portfast) ports

Command Mode

- /exec/configure

spanning-tree port type edge default

[no] spanning-tree port type edge default

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
default	Select edge port type by default on all access ports

Command Mode

- /exec/configure

spanning-tree port type edge trunk

spanning-tree port type edge trunk | no spanning-tree port type edge trunk

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
port		Spanning tree port options
type		Specify a port type for spanning tree protocol use
edge		Consider the interface as edge port (enable portfast)
trunk		Consider the interface as edge port (enable portfast) even in trunk mode

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree port type network default

[no] spanning-tree port type network default

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
network	Consider the interface as inter-switch link
default	Select network port type by default on all ports

Command Mode

- /exec/configure

spanning-tree portfast

spanning-tree portfast [<port-portfast>] | no spanning-tree portfast [<port-portfast>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
portfast	Enable an interface to move directly to fwd on link up
<i>port-portfast</i>	(Optional) Enable an interface to move directly to fwd on link up

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree portfast bpdudfilter default

[no] spanning-tree portfast bpdudfilter default

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
portfast	Enable an interface to move directly to fwd on link up
bpdudfilter	Enable portfast bpdu filter on this switch
default	Enable bpdu filter by default on all portfast ports

Command Mode

- /exec/configure

spanning-tree portfast bpduguard default

[no] spanning-tree portfast bpduguard default

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
portfast	Enable an interface to move directly to fwd on link up
bpduguard	Enable portfast bpdu guard on this switch
default	Enable bdpu guard by default on all portfast ports

Command Mode

- /exec/configure

spanning-tree portfast default

[no] spanning-tree portfast default

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
portfast	Enable an interface to move directly to fwd on link up
default	Enable portfast by default on all access ports

Command Mode

- /exec/configure

spanning-tree pseudo-information

spanning-tree pseudo-information

Syntax Description

Syntax Description

spanning-tree Spanning Tree Subsystem

pseudo-information configure spanning tree pseudo information

Command Mode

- /exec/configure

spanning-tree vlan

[no] spanning-tree vlan <vlan-id>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	spanning-tree	Spanning Tree Subsystem
	vlan	VLAN Switch Spanning Trees
	<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11

Command Mode

- /exec/configure

spanning-tree vlan forward-time

spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } forward-time <fwd-time> | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } forward-time [<fwd-time>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
vlan		VLAN Switch Spanning Trees
bridge-domain		Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>		vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>		Bridge-Domain range, Example: 2,4-5,7,9-11
forward-time		Set the forward delay for the spanning tree
<i>fwd-time</i>		number of seconds for the forward delay timer

Command Mode

- /exec/configure

spanning-tree vlan hello-time

```
spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } hello-time <hello-time-val> | no spanning-tree {
vlan <vlan-id> | bridge-domain <bd-id> } hello-time [ <hello-time-val> ]
```

Syntax Description

Syntax Description	Description
no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
hello-time	Set the hello interval for the spanning tree
<i>hello-time-val</i>	number of seconds between generation of config bpdu

Command Mode

- /exec/configure

spanning-tree vlan max-age

spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } max-age <max-age-val> | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } max-age [<max-age-val>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
spanning-tree		Spanning Tree Subsystem
vlan		VLAN Switch Spanning Trees
bridge-domain		Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>		vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>		Bridge-Domain range, Example: 2,4-5,7,9-11
max-age		Set the max age interval for the spanning tree
<i>max-age-val</i>		maximum number of seconds the information in a bpdu is valid

Command Mode

- /exec/configure

spanning-tree vlan priority

```
spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } priority <prio> | no spanning-tree { vlan <vlan-id>
| bridge-domain <bd-id> } priority [ <prio> ]
```

Syntax Description

Syntax Description		
<code>no</code>		Negate a command or set its defaults
<code>spanning-tree</code>		Spanning Tree Subsystem
<code>vlan</code>		VLAN Switch Spanning Trees
<code>bridge-domain</code>		Bridge-Domain Switch Spanning Trees
<code>vlan-id</code>		vlan range, Example: 1,3-5,7,9-11
<code>bd-id</code>		Bridge-Domain range, Example: 2,4-5,7,9-11
<code>priority</code>		Set the bridge priority for the spanning tree
<code>prio</code>		bridge priority in increments of 4096

Command Mode

- /exec/configure

spanning-tree vlan root

```
spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } root <root-type> [ diameter <diameter-val> [
hello-time <hello-time-val> ] ] | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } root [ <root-type>
[ diameter <diameter-val> [ hello-time <hello-time-val> ] ] ]
```

Syntax Description

Syntax Description	Description
no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
diameter	(Optional) Network diameter of this spanning tree
<i>diameter-val</i>	(Optional) Maximum number of bridges between any two end nodes
root	configure switch as root
<i>root-type</i>	configure switch as root
hello-time	(Optional) Set the hello interval for the spanning tree
<i>hello-time-val</i>	(Optional) number of seconds between generation of config bpdu

Command Mode

- /exec/configure

speed-group

speed-group <gspeed_val> | no speed-group [<gspeed_val>]

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	speed-group	port group speed
	<i>gspeed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-eth-base

speed

```
speed { <speed_val> }
```

Syntax Description

Syntax Description

speed	Enter the port speed
-------	----------------------

<i>speed_val</i>	Interface port speed
------------------	----------------------

Command Mode

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

speed

```
speed { <speed_val> }
```

Syntax Description

Syntax Description

speed	Enter the port speed
-------	----------------------

<i>speed_val</i>	Interface port speed
------------------	----------------------

Command Mode

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

speed

```
[no] speed [ { <speed_val> | auto [ 100 [ 1000 ] ] } ]
```

Syntax Description

Syntax Description	no	Description
	no	Negate a command or set its defaults
	speed	Enter the port speed
	<i>speed_val</i>	(Optional) Interface port speed
	auto	(Optional) auto negotiate speed
	100	(Optional) 100 Mbps speed
	1000	(Optional) 1000 Mbps speed

Command Mode

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

speed

```
[no] speed [ { <speed_val> | auto [ 100 [ 1000 ] ] } ]
```

Syntax Description

Syntax	Description
no	Negate a command or set its defaults
speed	Enter the port speed
<i>speed_val</i>	(Optional) Interface port speed
auto	(Optional) auto negotiate speed
100	(Optional) 100 Mbps speed
1000	(Optional) 1000 Mbps speed

Command Mode

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

speed

speed { <speed_val> }

Syntax Description

Syntax Description

speed	Enter the port speed
-------	----------------------

<i>speed_val</i>	Interface port speed
------------------	----------------------

Command Mode

- /exec/configure/if-mgmt-ether

speed

```
[no] speed [ { <speed_val> | auto [ 100 [ 1000 ] ] } ]
```

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
speed	Enter the port speed
<i>speed_val</i>	(Optional) Interface port speed
auto	(Optional) auto negotiate speed
100	(Optional) 100 Mbps speed
1000	(Optional) 1000 Mbps speed

Command Mode

- /exec/configure/if-mgmt-ether

speed

[no] speed <i0>

Syntax Description

Syntax Description	<i>no</i> (Optional) Negate a command or set its defaults
	<i>speed</i> Set the transmit and receive speeds
	<i>i0</i> Transmit and receive speeds

Command Mode

- /exec/configure/com1

speed

[no] speed <i0>

Syntax Description

Syntax Description	<i>no</i> (Optional) Negate a command or set its defaults
	<i>speed</i> Set the transmit and receive speeds
	<i>i0</i> Transmit and receive speeds

Command Mode

- /exec/configure/console

speed auto

speed auto

Syntax Description

Syntax Description

`speed` Enter the port speed

`auto` auto negotiate speed

Command Mode

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

speed auto 100

speed auto 100

Syntax Description

Syntax Description

speed Enter the port speed

auto auto negotiate speed

100 100 Mbps speed

Command Mode

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

speed auto 100 1000

```
speed auto 100 1000
```

Syntax Description

Syntax Description

<code>speed</code>	Enter the port speed
--------------------	----------------------

<code>auto</code>	auto negotiate speed
-------------------	----------------------

<code>100</code>	100 Mbps speed
------------------	----------------

<code>1000</code>	1000 Mbps speed
-------------------	-----------------

Command Mode

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

speed auto 100 1000

speed auto 100 1000

Syntax Description

Syntax Description

speed Enter the port speed

auto auto negotiate speed

100 100 Mbps speed

1000 1000 Mbps speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto 100

speed auto 100

Syntax Description

Syntax Description

`speed` Enter the port speed

`auto` auto negotiate speed

`100` 100 Mbps speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto

speed auto

Syntax Description

Syntax Description

speed Enter the port speed

auto auto negotiate speed

Command Mode

- /exec/configure/if-mgmt-ether

spf-interval

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

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
spf-interval	Configure SPF interval
<i>max-wait</i>	Maximum wait between trigger and SPF computation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and SPF computation (milli-secs)
<i>second-wait</i>	(Optional) Second wait between trigger and SPF computation (milli-secs)

Command Mode

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

spf-interval

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

Syntax Description

Syntax Description		
<code>no</code>		Negate a command or set its defaults
<code>spf-interval</code>		Configure SPF interval
<i>level</i>		IS-IS level
<i>max-wait</i>		Maximum wait between trigger and SPF computation (milli-secs)
<i>initial-wait</i>	(Optional)	Initial wait between trigger and SPF computation (milli-secs)
<i>second-wait</i>	(Optional)	Second wait between trigger and SPF computation (milli-secs)

Command Mode

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

spf mode incremental

[no] spf mode incremental

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spf	Configure route computation related settings
mode	Set the mode of spf computation
incremental	If possible, recompute only parts of the SPT

Command Mode

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

spf mode incremental

[no] spf mode incremental

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
spf	Configure route computation related settings
mode	Set the mode of spf computation
incremental	If possible, recompute only parts of the SPT

Command Mode

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

spine-anycast-gateway

[no] spine-anycast-gateway

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	spine-anycast-gateway	Enable Spine-Anycast-Gateway

Command Mode

- /exec/configure/if-nve/vni

sport

{ sport <sval> } | { no sport }

Syntax Description

Syntax Description

no Negate a command or set its defaults

sport Configure ngoam Udp source port range

sval Udp source port range, max span 1024, Example: 2000-3000,400,500

Command Mode

- /exec/configure/configngoamprofile

srom backplane

```
srom { backplane [ brief ] }
```

Syntax Description

Syntax Description

srom set SPROM contents should be done very carefully

backplane set backplane module srom contents

brief (Optional) set minimal/essential backplane module srom contents

Command Mode

- /exec

sprom recover backplane

sprom recover backplane <i0>

Syntax Description

Syntax Description	sprom	set SPROM contents should be done very carefully
	recover	SPROM recovery
	backplane	set backplane module sprom contents
	<i>i0</i>	please enter instance of backplane sprom

Command Mode

- /exec

ssh

```
{ ssh <s0> [ [ [ vrf { <vrf-name> | <vrf-known-name> } ] [ source-ip <s1> ] ] ] [ source-interface <intf> ] ] }
| { ssh <s0> [ [ [ source-ip <s1> ] [ vrf { <vrf-name> | <vrf-known-name> } ] ] ] [ source-interface <intf> ] ]
}
```

Syntax Description

Syntax Description

ssh	SSH to another system
vrf	(Optional) Display per-VRF information
source-ip	(Optional) ip address to bind
source-interface	(Optional) Select source interface
s0	Enter hostname or user@hostname
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
s1	(Optional) Enter source ip address to bind
intf	(Optional)

Command Mode

- /exec

ssh6

```
{ ssh6 <s0> [ [ [ vrf { <vrf-name> | <vrf-known-name> } ] [ source-ip <s2> ] [ interface <s1> ] ] ] [
source-interface <intf> ] ] } | { ssh6 <s0> [ [ [ source-ip <s2> ] [ vrf { <vrf-name> | <vrf-known-name> } ] [
interface <s1> ] ] ] [ source-interface <intf> ] ] }
```

Syntax Description

Syntax Description	ssh6	SSH to another system using IPv6 addressing
	vrf	(Optional) vrf to use
	source-ip	(Optional) ip address to bind
	source-interface	(Optional) Select source interface
	interface	(Optional) interface to bind
	s0	Enter hostname or user@hostname
	vrf-name	(Optional) VRF name
	vrf-known-name	(Optional) Known VRF name
	s2	(Optional) Enter source ip address to bind
	s1	(Optional) Enter interface to bind
	intf	(Optional)

Command Mode

- /exec

ssh cipher-mode weak

```
{ { ssh cipher-mode weak } | { no ssh cipher-mode [ weak ] } }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
ssh		SSH to another system
cipher-mode		Set Cipher-mode for ssh
weak		Enable Weak Ciphers

Command Mode

- /exec/configure/

ssh key dsa

```
{ ssh key { dsa [ force ] | rsa [ { <i0> | <oldrange> } [ force ] ] } | no ssh key [ { dsa [ force ] | rsa [ { <i0> | <oldrange> } [ force ] ] ] }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
key	Generate SSH Key
dsa	Generate DSA keys
force	(Optional) Force the generation of keys even if previous ones are present
rsa	Generate RSA keys
<i>i0</i>	(Optional) Enter number of bits (in multiples of 8)
<i>oldrange</i>	(Optional) Enter number of bits
force	(Optional) Force the generation of keys even if previous ones are present
force	(Optional) Force the generation of keys even if previous ones are present

Command Mode

- /exec/configure

ssh login-attempts

```
{ { ssh login-attempts <d0> } | { no ssh login-attempts [ <d0> ] } }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
ssh		SSH to another system
login-attempts		Set maximum login attempts from ssh
<i>d0</i>		Specify max-attempt number

Command Mode

- /exec/configure/

ssh server enable

[no] ssh server enable

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
ssh	Configure SSH parameters
server	Configure SSH Server parameters
enable	Enable SSH server

Command Mode

- /exec/configure

standby

[no] standby [ip <ip-addr-first> | IPv6 <ip-addrv6-first>]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
standby		Standby node
ip	(Optional)	ip address for standby node
<i>ip-addr-first</i>	(Optional)	ITD node IPv4 address
IPv6	(Optional)	IPv6 address

Command Mode

- /exec/configure/itd-dg-node

standby

[no] standby [ip <ip-addr-first> | IPv6 <ip-addrv6-first>]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
standby	Standby node
ip	(Optional) ip address for standby node
<i>ip-addr-first</i>	(Optional) ITD node IPv4 address
IPv6	(Optional) IPv6 address

Command Mode

- /exec/configure/itd-dg-node

standby

[no] standby [ip <ip-addr-first> | IPv6 <ip-addrv6-first>]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
standby		Standby node
ip	(Optional)	ip address for standby node
<i>ip-addr-first</i>	(Optional)	PLB node IPv4 address
IPv6	(Optional)	IPv6 address

Command Mode

- /exec/configure/plb-dg-node

start

start

Syntax Description

Syntax Description

`start` Start
Trigger

Command Mode

- /exec/elamns/sel3

start

start

Syntax Description

Syntax Description

`start` Start
Trigger

Command Mode

- /exec/elamns/sel4

start

start

Syntax Description

Syntax Description

`start` Start
Trigger

Command Mode

- /exec/elamns/sel5

start

start

Syntax Description

Syntax Description

`start` Start
Trigger

Command Mode

- /exec/elamns/sel6

start

start

Syntax Description

Syntax Description

`start` Start
Trigger

Command Mode

- /exec/elanms/sel7

start

start

Syntax Description

Syntax Description

`start` Start
Trigger

Command Mode

- /exec/elamns/outsel0

start

start

Syntax Description

Syntax Description

`start` Start
Trigger

Command Mode

- /exec/elanms/outsel5

state enabled

[no] state enabled

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	state	Port-profile state
	enabled	Enable/ disable the port-profile

Command Mode

- /exec/configure/port-profile

stateful-ha

[no] stateful-ha [pss-partial-lsp]

Syntax Description

Syntax Description	
stateful-ha	Configure RSVP stateful HA
pss-partial-lsp	(Optional) Enable PSS of partial lsps

Command Mode

- /exec/configure/ip-rsvp

stateful-ha

[no] stateful-ha [test-recovery]

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	stateful-ha	Enable stateful IS-IS HA
	test-recovery	(Optional) Test stateful HA recovery

Command Mode

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

statistics

[no] statistics

Syntax Description

Syntax Description

n (Optional) Negate a command or set its defaults

Command Mode

- /exec/configure/ipacl /exec/configure/vacl

statistics

[no] statistics

Syntax Description

Syntax Description	n (Optional) Negate a command or set its defaults
---------------------------	--

Command Mode

- /exec/configure/ipv6acl

statistics

[no] statistics

Syntax Description

Syntax Description

n (Optional) Negate a command or set its defaults

Command Mode

- /exec/configure/macac1

statistics collection-interval

statistics collection-interval <interval-val> | no statistics collection-interval

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
statistics		Statistics related commands
collection-interval		How often to retrieve statistics
<i>interval-val</i>		Collection interval in seconds (0 = do not collect)

Command Mode

- /exec/configure/openflow/switch

statistics per-entry

[no] statistics per-entry

Syntax Description

Syntax Description	n (Optional) Negate a command or set its defaults
---------------------------	--

Command Mode

- /exec/configure/ipacl /exec/configure/vacl

statistics per-entry

[no] statistics per-entry

Syntax Description

Syntax Description	n (Optional) Negate a command or set its defaults
---------------------------	--

Command Mode

- /exec/configure/ipv6acl

statistics per-entry

[no] statistics per-entry

Syntax Description

Syntax Description	n (Optional) Negate a command or set its defaults
---------------------------	--

Command Mode

- /exec/configure/macac1

stats-reporting-period

stats-reporting-period <time-in-sec> | no stats-reporting-period

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	stats-reporting-period	Interval after which statistics are sent to the BMP server
	<i>time-in-sec</i>	Delay value

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

status

status

Syntax Description

Syntax Description

`status` Status of
Trigger

Command Mode

- /exec/elanms/sel3

status

status

Syntax Description

Syntax Description

status Status of
Trigger

Command Mode

- /exec/elamns/se14

status

status

Syntax Description

Syntax Description

`status` Status of
Trigger

Command Mode

- /exec/elanms/sel5

status

status

Syntax Description

Syntax Description

status Status of
Trigger

Command Mode

- /exec/elamns/sel6

status

status

Syntax Description

Syntax Description

status Status of
Trigger

Command Mode

- /exec/elanms/sel7

status

status

Syntax Description

Syntax Description

status Status of
Trigger

Command Mode

- /exec/elamns/outse10

status

status

Syntax Description

Syntax Description

`status` Status of
Trigger

Command Mode

- /exec/elanms/outsel5

stopbits 1

[no] stopbits { 1 | 2 }

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	stopbits	Set async line stopbits
	1	One stop bit
	2	Two stop bits

Command Mode

- /exec/configure/com1

stopbits 1

[no] stopbits { 1 }

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
stopbits	Set async line stopbits
1	One stop bit

Command Mode

- /exec/configure/console

storm-control-cpu

storm-control-cpu { { arp rate } <pps> } | no storm-control-cpu arp

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
storm-control-cpu		Configure Interface storm control cpu
arp		arp storm control
rate		Set allowed arp traffic rate on this interface
<i>pps</i>		value in packets per sec

Command Mode

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

storm-control

```
storm-control { { { broadcast blevel | multicast mlevel | unicast ulevel } <level> } | action { shutdown | trap } } | no storm-control { { { broadcast blevel | multicast mlevel | unicast ulevel } [ <level> ] } | action [ shutdown | trap ] }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
storm-control	Configure Interface storm control
broadcast	Broadcast address storm control
multicast	Multicast address storm control
unicast	Unicast address storm control
blevel	Set allowed broadcast traffic level on this interface
mlevel	Set allowed multicast traffic level on this interface
ulevel	Set allowed unicast traffic level on this interface
<i>level</i>	Enter the storm suppression level
action	Action on storm control
shutdown	Shutdown (Err-Disable) port
trap	Generate SNMP trap

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-l2-non-member /exec/configure/if-eth-port-channel-switch

streetaddress

{ streetaddress <line> | no streetaddress }

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
streetaddress	Configure replacement part shipping address.
<i>line</i>	Provide street address (white spaces are fine)

Command Mode

- /exec/configure/callhome

stub

```
{ { [ eigrp ] stub [ { [ direct | connected | static | summary ] [ redistributed ] } + [ leak-map <leak-map> ] | {
receive-only } ] } } | { no [ eigrp ] stub [ { [ direct | connected | static | summary ] [ redistributed ] } + [ leak-map
<leak-map> ] | { receive-only } ] } }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
eigrp	(Optional) EIGRP router configuration commands
stub	Set IP-EIGRP as stubbed router
direct	(Optional) Do advertise connected routes
connected	(Optional) Do advertise connected routes
static	(Optional) Do advertise static routes
summary	(Optional) Do advertise summary routes
redistributed	(Optional) Do advertise redistributed routes
leak-map	(Optional) Allow dynamic prefixes based on the leak-map
<i>leak-map</i>	(Optional) leak-map name
receive-only	(Optional) Set IP-EIGRP as receive only neighbor

Command Mode

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

sub-switch vlan

sub-switch <subswitch-id> vlan <vlan-id> | no sub-switch <subswitch-id>

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
sub-switch		Logical sub-switch id
<i>subswitch-id</i>		Logical subswitch-id(2 to 10)
vlan		VLAN-id or VLAN-range
<i>vlan-id</i>		VLAN-id or VLAN-range

Command Mode

- /exec/configure/openflow/switch

subscription

[no] subscription <sub-id>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	subscription	Create a Subscription

Command Mode

- /exec/configure/telemetry

summary-address

[no] summary-address { <ip-dest> <ip-mask> | <ip-prefix> } [tag <tagval> | not-advertise]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
summary-address	Configure route summarization for redistribution
<i>ip-dest</i>	IP prefix format: i.i.i.i
<i>ip-mask</i>	IP network mask format: m.m.m.m
<i>ip-prefix</i>	IP prefix format: x.x.x.x/ml
tag	(Optional) 32-bit tag value
<i>tagval</i>	(Optional) 32-bit tag value
not-advertise	(Optional) Suppress advertising the specified summary

Command Mode

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

summary-address

summary-address { <ip-addr> <ip-mask> | <ip-prefix> } <level> | no summary-address { <ip-addr> <ip-mask> | <ip-prefix> } [<level>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
summary-address		Configure IP address summaries
<i>ip-addr</i>		IP summary address
<i>ip-mask</i>		IP summary mask
<i>ip-prefix</i>		IP summary prefix
<i>level</i>		Level to summarize into

Command Mode

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

summary-address

summary-address <ipv6-prefix> <level> | no summary-address <ipv6-prefix> [<level>]

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	summary-address	Configure IP address summaries
	<i>level</i>	Level to summarize into

Command Mode

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

summary-address

[no] summary-address <ipv6-prefix> [tag <tagval> | not-advertise]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
summary-address	Configure route summarization for redistribution
tag	(Optional) 32-bit tag value
<i>tagval</i>	(Optional) 32-bit tag value
not-advertise	(Optional) Suppress advertising the specified summary

Command Mode

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

suppress-arp

[no] suppress-arp

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
suppress-arp	Enable ARP suppression

Command Mode

- /exec/configure/if-nve/vni

suppress-fib-pending

[no] suppress-fib-pending

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	suppress-fib-pending	Advertise only routes that are programmed in hardware to peers

Command Mode

- /exec/configure/router-bgp

suppress-fib-pending

[no] suppress-fib-pending

Syntax Description

Syntax Description

no (Optional) Negate a command or set its defaults

suppress-fib-pending Advertise only routes that are programmed in hardware to peers

Command Mode

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

suppress-inactive

[no] suppress-inactive

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	suppress-inactive	Advertise only active routes to peers

Command Mode

- /exec/configure/router-bgp/router-bgp-af

suppress-inactive

[no | default] suppress-inactive

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
default	(Optional)	Inherit values from a peer template
suppress-inactive		Advertise only active routes to peer

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

suppress-signaling-protocol ldp

[no | default] suppress-signaling-protocol ldp

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
default	(Optional)	Inherit values from a peer template
suppress-signaling-protocol		Suppress VPLS BGP AD protocol
ldp		LDP signaling

Command Mode

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

suppress mac-route

[no] suppress mac-route

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
suppress	Suppress MAC only route advertisement
mac-route	MAC route

Command Mode

- /exec/configure/if-nve

switch-id

switch-id <asid> | no switch-id

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
switch-id	Configure Switch ID
asid	Anycast Switch ID

Command Mode

- /exec/configure/anycast

switch-priority

{ switch-priority <i0> | no switch-priority }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
switch-priority		Priority of the switch(0-highest 7-lowest)
<i>i0</i>		Priority of the switch(0-highest 7-lowest)

Command Mode

- /exec/configure/callhome

switch-profile

switch-profile <s0>

Syntax Description

Syntax Description	Description
switch-profile	Enter switch-profile configuration mode
<i>s0</i>	Enter the name of the switch-profile

Command Mode

- /exec/configure

switch-profile

[no] switch-profile <s0> { profile-only { local | all } | local-config | all-config }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
switch-profile		Enter switch-profile configuration mode
s0		Enter the name of the switch-profile
profile-only		Deletion of profile only and no other configuration
local		Deletion of profile only and no other configurations in local switch
all		Deletion of profile only and no other configurations from all the peers
local-config		Deletion of profile and local configuration
all-config		Deletion of profile, local and peer configurations

Command Mode

- /exec/configure

switch-scope controller

{ switch-scope controller <controller-id> | no switch-scope controller }

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	switch-scope	switch-scope
	controller	Controller command
	<i>controller-id</i>	Controller id

Command Mode

- /exec

switch pipeline

switch <switch-id> pipeline <pipeline-id> | no switch <switch-id>

Syntax Description

Syntax Description

no	Negate a command or set its defaults
switch	Switch
<i>switch-id</i>	Logical switch-id
pipeline	Select forwarding profile, use 'show openflow hardware capabilities' for choices
<i>pipeline-id</i>	Pipeline id

Command Mode

- /exec/configure/openflow

switchback

switchback

Syntax Description

Syntax Description	switchback switchback to default vdc
---------------------------	---

Command Mode

- /exec

switching-mode fabric-speed 40g

[no] switching-mode fabric-speed 40g

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	switching-mode	Configure the operating switching-mode of asics
	fabric-speed	fabric speed settings
	40g	fabric speed at 40g instead of 42g

Command Mode

- /exec/configure

switching-mode store-forward

[no] switching-mode store-forward

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	switching-mode	Configure the operating switching-mode of asics
	store-forward	Operate in store and forward mode

Command Mode

- /exec/configure

switchport

switchport

Syntax Description

Syntax Description

switchport Configure switchport parameters

Command Mode

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

switchport

[no] switchport

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
switchport	Configure switchport parameters

Command Mode

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

switchport autostate exclude

```
switchport autostate exclude [ vlan { <exclude-vlans> | add <add-vlans> | except <except-vlans> | remove
<remove-vlans> | all | none } ] | no switchport autostate exclude [ dummy ] [ vlan { <exclude-vlans> | add
<add-vlans> } ]
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
switchport		Configure switchport parameters
autostate		Include or exclude this port from vlan link up calculation
exclude		Exclude this port from vlan link up calculation
vlan		(Optional) VLAN Id
<i>exclude-vlans</i>		(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
add		(Optional) add VLANs to except list
<i>add-vlans</i>		(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
except		(Optional) List of VLANs to excepted from auto-state exclude
<i>except-vlans</i>		(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
remove		(Optional) remove VLANs from except list
<i>remove-vlans</i>		(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
all		(Optional) Exclude all VLANs
none		(Optional) Exclude no VLANs
dummy		(Optional) Hidden Keyword

Command Mode

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

switchport block unicast

switchport block { unicast | multicast } | no switchport block { unicast | multicast }

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
switchport	Configure switchport parameters
block	Block specified outbound traffic for all VLANs
unicast	Block unknown unicast traffic
multicast	Block flood multicast traffic

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport dot1q ethertype

switchport dot1q ethertype { 0x8100 | 0x88A8 | 0x9100 | <any> } | no switchport dot1q ethertype [<any>]

Syntax Description

Syntax Description		
no	Negate a command or set its defaults	
switchport	Configure switchport parameters	
dot1q	Configure dot1q EtherType value	
ethertype	Configure dot1q EtherType value	
0x8100	Default EtherType for 802.1q frames	
0x88A8	EtherType for 802.1ad double tagged frames	
0x9100	EtherType for QinQ frames	
any	Any EtherType	

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all

switchport dot1q ethertype

switchport dot1q ethertype { 0x8100 | 0x88A8 | 0x9100 | <any> } | no switchport dot1q ethertype [<any>]

Syntax Description

Syntax Description	Description
no	Negate a command or set its defaults
switchport	Configure switchport parameters
dot1q	Configure dot1q EtherType value
ethertype	Configure dot1q EtherType value
0x8100	Default EtherType for 802.1q frames
0x88A8	EtherType for 802.1ad double tagged frames
0x9100	EtherType for QinQ frames
any	Any EtherType

Command Mode

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

switchport host

[no] switchport host

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
host	Set port host

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-switch
/exec/configure/if-ethernet-switch-m /exec/configure/if-ethernet-all

switchport isolated

[no] switchport isolated

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	switchport	Configure switchport parameters
	isolated	Disable loop-free detection.

Command Mode

- /exec/configure/if-eth-12-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mac-learn disable

switchport mac-learn disable | no switchport mac-learn disable

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	switchport	Configure switchport parameters
	mac-learn	Disable/enable mac learning on interface
	disable	Disable mac learning on all VLANs on interface

Command Mode

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

switchport mode

{ switchport mode { <port_mode> } | no switchport mode }

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	switchport	Configure switchport parameters
	mode	Enter the port mode
	<i>port_mode</i>	port mode

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode

{ switchport mode { <port_mode> } | no switchport mode }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
switchport		Configure switchport parameters
mode		Enter the port mode
<i>port_mode</i>		port mode

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode fabricpath

[no] switchport mode fabricpath

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	switchport	Configure switchport parameters
	mode	Enter the port mode
	fabricpath	port mode fabricpath

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode monitor buffer-limit

switchport mode monitor buffer-limit { <value> [packets | bytes | kbytes | mbytes] } | no switchport mode monitor buffer-limit

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
switchport		Configure switchport parameters
mode		Enter the port mode
monitor		Configures an interface as span-destination
buffer-limit		Set buffer limit for span destination
<i>value</i>		Limit in terms of packets
packets	(Optional)	Packets
bytes	(Optional)	Bytes
kbytes	(Optional)	Kilo bytes
mbytes	(Optional)	Mega bytes

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode private-vlan

```
{ switchport mode private-vlan <port_mode> } | { no switchport mode private-vlan [ <port_mode> ] }
```

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	switchport	Configure switchport parameters
	mode	Enter the port mode
	private-vlan	Set the private VLAN configuration
	<i>port_mode</i>	private vlan mode

Command Mode

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

switchport mode private-vlan trunk

```
{ switchport mode private-vlan trunk <trunk_mode> } | { no switchport mode private-vlan trunk [
<trunk_mode> ] }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
switchport		Configure switchport parameters
mode		Enter the port mode
private-vlan		Set the private VLAN configuration
trunk	private-vlan	trunk
<i>trunk_mode</i>	private	vlan trunk mode

Command Mode

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

switchport port-security

[no] switchport port-security

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	switchport	Configure switchport parameters
	port-security	Port security related command

Command Mode

- /exec/configure/if-switching

switchport port-security aging time

[no] switchport port-security aging time <value>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
aging	Port-security aging commands
time	Port-security aging time
value	Aging time in minutes. Enter a value between 1 and 1440

Command Mode

- /exec/configure/if-switching

switchport port-security aging type absolute

[no] switchport port-security aging type { absolute | inactivity }

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	switchport	Configure switchport parameters
	port-security	Port security related command
	aging	Port-security aging commands
	type	Type of timers
	absolute	Absolute Timer
	inactivity	Inactivity Timer

Command Mode

- /exec/configure/if-switching

switchport port-security mac-address

[no] switchport port-security mac-address <mac-address> [vlan <vlanid>]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
mac-address	MAC address
<i>mac-address</i>	48 bit mac address format HHHH.HHHH.HHHH
vlan	(Optional) Vlan on which the mac address should be secured
<i>vlanid</i>	(Optional) vlan id. Enter a value between 1 and 4094

Command Mode

- /exec/configure/if-switching

switchport port-security mac-address sticky

[no] switchport port-security mac-address sticky

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	switchport	Configure switchport parameters
	port-security	Port security related command
	mac-address	MAC address
	sticky	Sticky MAC address

Command Mode

- /exec/configure/if-switching

switchport port-security maximum

[no] switchport port-security maximum <value> [vlan <vlanid>]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
maximum	Max secure addresses
<i>value</i>	Maximum addresses 1 to 1025
vlan	(Optional) Vlan on which the mac address should be secured
<i>vlanid</i>	(Optional) vlan id. Enter a value between 1 and 4094

Command Mode

- /exec/configure/if-switching

switchport port-security violation

[no] switchport port-security violation { protect | restrict | shutdown }

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
violation	Security violation mode
protect	security violation protect mode
restrict	security violation restrict mode
shutdown	security violation shutdown mode

Command Mode

- /exec/configure/if-switching

switchport private-vlan association trunk

```
{ switchport private-vlan association trunk <primary-vlan> <secondary-vlan> } | { no switchport private-vlan
association trunk [ <primary-vlan> [ <secondary-vlan> ] ] }
```

Syntax Description

Syntax Description		
switchport		Configure switchport parameters
private-vlan		Set the private VLAN configuration
association	private vlan trunk association	
trunk	private-vlan trunk secondary	
no		Negate a command or set its defaults
<i>primary-vlan</i>		Primary VLAN ID
<i>secondary-vlan</i>		Secondary VLAN ID

Command Mode

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

switchport private-vlan host-association

{ switchport private-vlan host-association <primary-vlan> <secondary-vlan> } | { no switchport private-vlan host-association }

Syntax Description

Syntax Description		
switchport		Configure switchport parameters
private-vlan		Set the private VLAN configuration
host-association		Set the private VLAN host association
no		Negate a command or set its defaults
<i>primary-vlan</i>		Primary VLAN ID
<i>secondary-vlan</i>		Secondary VLAN ID

Command Mode

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

switchport private-vlan mapping

```
{ switchport private-vlan mapping <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no switchport private-vlan mapping [ <primary-vlan> <secondary_vlans> ] }
```

Syntax Description

Syntax Description	switchport	Configure switchport parameters
	private-vlan	Set the private VLAN configuration
	mapping	Set the private VLAN access/trunk promiscuous mapping
	add	(Optional) Add a VLAN to private VLAN list
	remove	(Optional) Remove a VLAN from private VLAN list
	no	Negate a command or set its defaults
	<i>primary-vlan</i>	Primary private VLAN
	<i>secondary_vlans</i>	Secondary VLAN IDs

Command Mode

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

switchport private-vlan mapping trunk

```
{ switchport private-vlan mapping trunk <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no
switchport private-vlan mapping trunk [ <primary-vlan> [ <secondary_vlans> ] ] }
```

Syntax Description

Syntax Description		
switchport		Configure switchport parameters
private-vlan		Set the private VLAN configuration
mapping		Set the private VLAN access/trunk promiscuous mapping
add		(Optional) Add a VLAN to private VLAN list
remove		(Optional) Remove a VLAN from private VLAN list
no		Negate a command or set its defaults
trunk		private-vlan trunk promiscuous
<i>primary-vlan</i>		Primary private VLAN
<i>secondary_vlans</i>		Secondary VLAN IDs

Command Mode

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

switchport private-vlan trunk allowed vlan

switchport private-vlan trunk allowed vlan { <allowed-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport private-vlan trunk allowed vlan <no-allowed-vlans>

Syntax Description

Syntax Description		
switchport		Configure switchport parameters
private-vlan		Set the private VLAN configuration
trunk		Set the private vlan trunking configuration
allowed		Set allowed VLANs when interface is in private-vlan trunking mode
vlan		VLAN status
<i>allowed-vlans</i>		VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
add		add VLANs to the current list
<i>add-vlans</i>		VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
except		all VLANs except the following
<i>except-vlans</i>		VLAN IDs of disallowed VLANs when this port is in trunking mode
remove		remove VLANs from the current list
<i>remove-vlans</i>		VLAN IDs of disallowed VLANs when this port is in trunking mode
all		all VLANs
none		no VLANs
no		Negate a command or set its defaults
<i>no-allowed-vlans</i>		VLAN IDs of disallowed VLANs when this port is in trunking mode

Command Mode

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

switchport private-vlan trunk native vlan

{ switchport private-vlan trunk native vlan <native-vlan> } | { no switchport private-vlan trunk native vlan }

Syntax Description

Syntax Description	Description
switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
no	Negate a command or set its defaults
trunk	Set the private vlan trunking configuration
native	Set the private vlan trunking native configuration
vlan	VLAN status
<i>native-vlan</i>	native vlan id

Command Mode

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

switchto vdc

```
switchto vdc <e-vdc2> [ force ] [ bypass ] [ __readonly__ <vdc_id> <invalid_vdc_id> <noauth_vdc_id>
<no_first> ]
```

Syntax Description

Syntax Description

switchto	Goto specific Virtual Device Context <vdc-name> <vdc-id>
vdc	Manage Virtual Device Context
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
<i>__readonly__</i>	(Optional) Read Only
<i>force</i>	(Optional) force
<i>vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>invalid_vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>noauth_vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>no_first</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>bypass</i>	(Optional) Enter Virtual Device Context <vdc-id>

Command Mode

- /exec/

sync-peers destination

sync-peers destination <dst-ip> [source <src-ip> | vrf <vrf-name>] + | no sync-peers destination [<dst-ip> [source <src-ip>]]

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
sync-peers	Specify peers to whom configuration needs to be synced
destination	Specify destination ip address of peer switch
<i>dst-ip</i>	IPv4 address (A.B.C.D) of destination
source	(Optional) Source interface for sending out configs
<i>src-ip</i>	(Optional) IPv4 address (A.B.C.D) of source
vrf	(Optional) vrf to be used default/management
<i>vrf-name</i>	(Optional) vrf to be used

Command Mode

- /exec/configure

sync-snmp-password

sync-snmp-password <*s0*>

Syntax Description

Syntax Description

sync-snmp-password sync snmp
password

s0 password

Command Mode

- /exec

sync-snmp-password

sync-snmp-password <s0> <s1> <s2>

Syntax Description

Syntax Description	
sync-snmp-password	sync snmp password
<i>s0</i>	password
<i>s1</i>	user
<i>s2</i>	snmp client host

Command Mode

- /exec

sync-snmp-password

[no] sync-snmp-password <s0>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	sync-snmp-password	sync snmp password
	s0	password

Command Mode

- /exec/configure

syslog

```
syslog { msg <s0> | priority { <i0> msg1 <s1> | alerts msg2 <s2> | critical msg3 <s3> | debugging msg4 <s4>
| emergencies msg5 <s5> | errors msg6 <s6> | informational msg7 <s7> | notifications msg8 <s8> | warnings
msg9 <s9> } }
```

Syntax Description

Syntax Description

syslog	Execute a logging command
msg	Log EEM action message
<i>s0</i>	Enter the msg (max 300 chars)
priority	Priority of the log message
<i>i0</i>	Enter priority of the log message
msg1	Log EEM action message
<i>s1</i>	Enter the msg (max 300 chars)
alerts	Alert log message
msg2	Log EEM action message
<i>s2</i>	Enter the msg (max 300 chars)
critical	Critical log message
msg3	Log EEM action message
<i>s3</i>	Enter the msg (max 300 chars)
debugging	Debugging log message
msg4	Log EEM action message
<i>s4</i>	Enter the msg (max 300 chars)
emergencies	Emergency log message
msg5	Log EEM action message
<i>s5</i>	Enter the msg (max 300 chars)
errors	Error log message
msg6	Log EEM action message
<i>s6</i>	Enter the msg (max 300 chars)
informational	Informational log message
msg7	Log EEM action message

<i>s7</i>	Enter the msg (max 300 chars)
notifications	Notifications log message
msg8	Log EEM action message
<i>s8</i>	Enter the msg (max 300 chars)
warnings	Warning log message
msg9	Log EEM action message
<i>s9</i>	Enter the msg (max 300 chars)

Command Mode

- /exec

system-mac

system-mac <sysmac> | no system-mac

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	system-mac	Configure system mac address
	<i>sysmac</i>	specify system mac address

Command Mode

- /exec/configure/vpc-domain

system-mac

[no] system-mac <mac-addr>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	system-mac	Mac Address
	<i>mac-addr</i>	specify system mac address

Command Mode

- /exec/configure/if-eth-port-channel/ethernet-segment

system-priority

system-priority <syspri> | no system-priority <syspri>

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
system-priority		Configure system priority
<i>syspri</i>		specify system priority

Command Mode

- /exec/configure/vpc-domain

system

```
[no] system { { routing { hierarchical def-max-mode l3 64b-alpm | non-hierarchical [ max-mode l3-nh [
64b-alpm-nh ] ] | max-mode host | max-mode-tor { l2 | l3 | l2-l3 } | template-overlay-host-scale |
template-lpm-heavy | template-lpm-scale-v6-64 | template-dual-stack-host-scale | template-dynamic-trie-scale
| template-multicast-heavy | template-vxlan-scale | template-mpls-heavy | template-internet-peering |
template-multicast-nbm } } | { non-hierarchical-routing [ max-l3-mode ] } } }
```

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
hierarchical	Host routing on LC and LPM routing in FM
non-hierarchical	Disable mode of host routing on LC and LPM routing in Fabric modules
non-hierarchical-routing	Disable mode of host routing on LC and LPM routing in Fabric modules
def-max-mode	Maximum scale to be enabled
max-mode	(Optional) Maximum scale to be enabled
max-mode-tor	Maximum scale to be enabled
l2	Max Layer-2 records and fewer Layer-3 host routes
l3	Layer-3 longest-prefix-match (LPM) routes
l2-l3	Balance of both Layer-2 records and Layer-3 host routes
l3-nh	(Optional) Layer-3 longest-prefix-match (LPM) routes
64b-alpm	IPv6 routes with masks /64 or shorter
64b-alpm-nh	(Optional) IPv6 routes with masks /64 or shorter
max-l3-mode	(Optional) Enable ALPM mode (Mode-4 in T2)
host	host routes
template-internet-peering	Internet Peering
template-overlay-host-scale	Overlay Host Scale
template-lpm-heavy	LPM Heavy
template-lpm-scale-v6-64	LPM Scale V6 64
template-dual-stack-host-scale	Dual Stack Host Scale

template-dynamic-trie-scale	Dynamic TRIE Scale
template-multicast-heavy	Multicast Heavy Scale
template-multicast-nbm	Multicast NBM Scale
template-mpls-heavy	MPLS Heavy Scale
template-vxlan-scale	Vxlan Scale

Command Mode

- /exec/configure

system auto-collect tech-support

system [no] auto-collect tech-support [timeout <time>]

Syntax Description

Syntax Description

system	System management commands
no	(Optional) Negate a command or set its defaults
auto-collect	Auto collection of information
tech-support	Collect tech-support in case of service causing supervisor reset
timeout	(Optional) Collect tech-support timeout
<i>time</i>	(Optional) Timeout in seconds

Command Mode

- /exec

system cores

```
{ system cores { { <uri0> } | { <uri1> vrf <vrf-known-name> } } | no system cores [ { { <uri0> } | { <uri1>
vrf <vrf-known-name> } } ] }
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
system		System configuration commands
cores		Copy cores to destination
<i>uri0</i>		Select destination filesystem
<i>uri1</i>		Select destination filesystem
vrf		Enter the vrf name
<i>vrf-known-name</i>		VRF name

Command Mode

- /exec/configure

system cores retain

[no] system cores retain

Syntax Description

Syntax Description	no (Optional) Negate a command or set its defaults
	system System configuration commands
	cores Copy cores to destination
	retain keep the cores

Command Mode

- /exec/configure

system default interface

```
{ system default interface { congestion { timeout <i0> mode { core | edge } | mode { core | edge } } | pause
{ timeout <i1> mode1 { core | edge } | mode1 { core | edge } } } | no system default interface { congestion {
timeout <i0> mode { core | edge } | mode { core | edge } } | pause { timeout <i1> mode1 { core | edge } |
mode1 { core | edge } } } }
```

Syntax Description

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
interface	Configure system default interface values
congestion	Configure system timeout values for congestion drop
pause	Configure system timeout values for pause frame
timeout	Configure system timeout values
<i>i0</i>	Configure number of milliseconds
<i>i1</i>	Configure number of milliseconds
mode	Configure mode
mode1	Configure mode
core	Enter the port type
edge	Enter the port type

Command Mode

- /exec/configure

system default switchport

{ [no] system default switchport }

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	system	System configuration commands
	default	Configure system default values
	switchport	Configure switchport

Command Mode

- /exec/configure

system default switchport fabricpath

{ system default switchport fabricpath | no system default switchport fabricpath }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
system		System configuration commands
default		Configure system default values
switchport		Configure switchport
fabricpath		Configure default port mode as fabricpath

Command Mode

- /exec/configure

system default switchport shutdown

```
{ [ no ] system default switchport shutdown }
```

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure switchport
shutdown	Configure admin state

Command Mode

- /exec/configure

system dme enable

[no] system dme enable

Syntax Description

Syntax Description	no (Optional) Negate a command or set its defaults
	system System Management Commands
	dme Manage 4G DME enable/disable
	enable enable

Command Mode

- /exec/configure

system dot1q-tunnel transit

[no] system dot1q-tunnel transit

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	system	System Management Commands
	dot1q-tunnel	Dot1Q tunnel
	transit	Transit box for multi-tag Ethernet Frames

Command Mode

- /exec/configure

system fabric-mode full-rate

[no] system fabric-mode full-rate

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	system	System Management Commands
	fabric-mode	Configure the operating mode of the fabrics
	full-rate	Operates fabrics in Full Rate Mode

Command Mode

- /exec/configure

system fast-reload stabilization-timer

system fast-reload stabilization-timer <time>

Syntax Description

Syntax Description

system	System management commands
fast-reload	fast-reload software
stabilization-timer	Network stabilization time in seconds before fast-reload can be executed after the previous reload
<i>time</i>	time in secs

Command Mode

- /exec/configure

system hap-reset

system hap-reset

Syntax Description

Syntax Description

system System management commands

hap-reset enables resetting of local or remote sup on ha failures

Command Mode

- /exec

system hap-reset

system no hap-reset

Syntax Description

Syntax Description

system System management commands

no Negate a command or set its defaults

hap-reset enables resetting of local or remote sup on ha failures

Command Mode

- /exec

system health check bootflash

system health check bootflash [fix-errors]

Syntax Description

Syntax Description	system	System management commands
	health	system health exec commands
	check	run consistency check on compact flash
	bootflash	check internal bootflash
	fix-errors	(Optional) fix bootflash errors

Command Mode

- /exec

system heartbeat

system heartbeat

Syntax Description

Syntax Description

system System management commands

heartbeat enables heartbeat

Command Mode

- /exec

system heartbeat

system no heartbeat

Syntax Description

Syntax Description	
system	System management commands
no	Negate a command or set its defaults
heartbeat	enables heartbeat

Command Mode

- /exec

system high-multicast-priority

[no] system high-multicast-priority

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
system		System Management Commands
high-multicast-priority	high priority to	multicast

Command Mode

- /exec/configure

system inband queuing

```
[no] system inband queuing [ { [ round-robin ] [ bpdu weight <weight-val> ] [ q0 weight <weight-val> ] [ q1 weight <weight-val> ] [ q0 no-drop ] [ q1 no-drop ] [ pick_packets ] [ bpdu map <q-index> ] [ arp map <q-index> ] [ q0 map <q-index> ] [ q1 map <q-index> ] } ]
```

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System-related show commands
inband	System Inband configuration
queuing	System Inband Queuing Algorithm
round-robin	(Optional) Simple Round-Robin
bpdu	(Optional) bpdu queue
arp	(Optional) arp queue
q0	(Optional) q0 queue (cos 4,5,6,7)
q1	(Optional) q1 queue (cos 0,1,2,3)
weight	(Optional) weight associated with the queue
no-drop	(Optional) set no drop option on queue
<i>weight-val</i>	(Optional) weights
pick_packets	(Optional) enable packet rx
map	(Optional) map to queue
<i>q-index</i>	(Optional) queue index

Command Mode

- /exec/configure

system inband queuing

system inband queuing { clear-pm-counters | clear-klm-counters | clear-all-counters | enable-timestamp | disable-timestamp }

Syntax Description

Syntax Description		
system		System-related show commands
inband		System Inband configuration
queuing		System Inband Queueing Algorithm
clear-pm-counters		clear user space inband queue counters
clear-klm-counters		clear KLM VDC inband queue counters
clear-all-counters		clear all inband queue counters
enable-timestamp		enable timestamping in klm vdc
disable-timestamp		disable timestamping in klm vdc

Command Mode

- /exec

system interface shutdown

[no] system interface shutdown [exclude fex-fabric]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
system	System configuration commands
interface	Configure system interface config
shutdown	Configure interface shutdown
exclude	(Optional) exclude
fex-fabric	(Optional) fex-fabric

Command Mode

- /exec/configure

system internal aclmgr global lock session

system internal aclmgr global lock <acquire-or-release> session <session_id> [pss-only]

Syntax Description

Syntax Description

system	System management commands
internal	Commands for internal use
aclmgr	Configure aclmgr internals
global	Global database lock
lock	Lock
<i>acquire-or-release</i>	
session	PPF Session id
<i>session_id</i>	PPF session id
pss-only	(Optional) Force the values to be set and written to PSS

Command Mode

- /exec

system internal acmgrp inject

```
system internal acmgrp inject <error-type> <err_id>
```

Syntax Description

Syntax Description

system	System management commands
internal	Commands for internal use
acmgrp	Configure acmgrp internals
inject	Inject error to state machine in next available event
<i>error-type</i>	Error type
<i>err_id</i>	Syserr id

Command Mode

- /exec/configure

system internal aclmgr remove policies interface

system internal aclmgr remove policies interface <ifname>

Syntax Description

Syntax Description

system System management commands

internal Commands for internal use

aclmgr Configure aclmgr internals

remove Remove access-lists

policies Policies

interface Interface whose policies need to be removed

ifname Interface name

Command Mode

- /exec/configure

system internal aclmgr vcache

```
system internal aclmgr vcache { { <add_or_rem> vlans <vlans> | reset } interface <ifname> | rebuild }
```

Syntax Description

Syntax Description		
system		System management commands
internal		Commands for internal use
aclmgr		Configure aclmgr internals
<i>add_or_rem</i>		Add or Remove vlan members to vlans
vcache		Vlan cache ut command, donot use this in production systems
vlans		Vlans which need to be added/removed from the interface
<i>vlans</i>		List of VLANs
reset		Reset all vlans on the interface
rebuild		Rebuild the vlan cache completely by requesting information from vlan manager
interface		Interface(s) which need to be added/removed/reset to/from vlans
<i>ifname</i>		Interface name list

Command Mode

- /exec/configure

system internal clis event-history size

```
[no] system internal clis event-history { nvdb | client | errors | parser | ha | cli } size { <size_in_text> | <size_in_bytes> }
```

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
system	System configuration commands	
internal	Commands for internal use	
clis	cli server	
event-history	Event history logs for clis	
nvdb	Log of NVDB and PSS events	
client	Log of client interaction events	
errors	Log of errors	
parser	Log of parser events	
ha	Log of ha events	
cli	Log of command events	
size	Enter size	
<i>size_in_text</i>	Buffer size	
<i>size_in_bytes</i>	Enter an integer value for the event history buffer	

Command Mode

- /exec/configure

system internal npacl event-history size

```
[no] system internal npacl event-history { acl | ppf | cli | internal } size { <size_in_text> | <size_in_Kbytes>
}
```

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
system	System management commands	
internal	Commands for internal use	
npacl	Configure NPACL feature	
event-history	event history	
acl	acl policy history of npacl	
ppf	ppf interaction history of npacl	
cli	cli history of npacl	
internal	internal of npacl	
size	Configure the size of the event-hist buffer	
<i>size_in_text</i>	Buffer size	
<i>size_in_Kbytes</i>	Size of the file in kbytes	

Command Mode

- /exec

system internal policy-resync module

system internal policy-resync module <module>

Syntax Description

Syntax Description		
system		System management commands
internal		Commands for internal use
policy-resync	resync	PPF policy
module	resync	Module
<i>module</i>		Module number to resync

Command Mode

- /exec

system internal snapshot service

system internal snapshot service <s0>

Syntax Description

Syntax Description

system System management commands

internal Commands for internal usage

snapshot Generate debug snapshots

service Generate debug snapshot for service

s0 please enter service name

Command Mode

- /exec

system jumbomtu

{ system jumbomtu <mtu> | no system jumbomtu [<mtu>] }

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	system	System configuration commands
	jumbomtu	Configure system jumbomtu
	<i>mtu</i>	Enter jumbomtu

Command Mode

- /exec/configure

system kernel-trace

system kernel-trace [enable | disable]

Syntax Description

Syntax Description	system	system management commands
	kernel-trace	kernel tracing
	enable	(Optional) enables kernel tracing
	disable	(Optional) disables kernel tracing

Command Mode

- /exec

system kgdb

system kgdb

Syntax Description

Syntax Description

system System management commands

kgdb enables kgdb

Command Mode

- /exec

system kgdb

system no kgdb

Syntax Description

Syntax Description	
system	System management commands
no	Negate a command or set its defaults
kgdb	enables kgdb

Command Mode

- /exec

system login block-for

[no] system login block-for

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
system		System configuration commands
login		Enable secure login checking
block-for		Set quiet-mode active time period

Command Mode

- /exec/configure

system login block-for attempts within

system login block-for <i1> attempts <i2> within <i3>

Syntax Description

Syntax Description	
system	System configuration commands
login	Enable secure login checking
block-for	Set quiet-mode active time period
<i>i1</i>	Time period in seconds
attempts	Set max number of fail attempts
<i>i2</i>	Fail attempts max value
within	Watch period for fail attempts
<i>i3</i>	Time period in seconds

Command Mode

- /exec/configure

system login quiet-mode

[no] system login quiet-mode

Syntax Description

Syntax Description		
	no	Negate a command or set its defaults
	system	System configuration commands
	login	Enable secure login checking
	quiet-mode	Set quiet-mode options

Command Mode

- /exec/configure

system login quiet-mode access-class

system login quiet-mode access-class <access-list>

Syntax Description

Syntax Description	system	System configuration commands
	login	Enable secure login checking
	quiet-mode	Set quiet-mode options
	access-class	Set access class
	<i>access-list</i>	Access-list name

Command Mode

- /exec/configure

system memory-thresholds minor severe critical

[no] system memory-thresholds minor <minor> severe <severe> critical <crit>

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
system	System configuration commands	
memory-thresholds	Set memory thresholds on the card	
minor	enter minor threshold	
<i>minor</i>	please enter minor memory threshold as % memory	
severe	enter severe treshold	
<i>severe</i>	please enter severe memory threshold as % memory	
critical	enter critical treshold	
<i>crit</i>	please enter critical memory threshold as % memory	

Command Mode

- /exec/configure

system minlife

system minlife <*i0*>

Syntax Description

Syntax Description

system System management commands

minlife Set system minlife (in seconds)

i0 Set minlife

Command Mode

- /exec

system mode maintenance

[no] system mode maintenance [dont-generate-profile] [non-interactive] | system mode maintenance [dont-generate-profile | shutdown] [non-interactive]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
system		System configuration commands
mode		system mode commands
maintenance		system maintenance mode
dont-generate-profile	(Optional)	do not generate the maintenance/normal-mode profile
shutdown	(Optional)	issue shutdown instead of isolate (default)
non-interactive	(Optional)	do operation non interactively in background

Command Mode

- /exec/configure

system mode maintenance always-use-custom-profile

[no] system mode maintenance always-use-custom-profile

Syntax Description

Syntax Description		
	no	(Optional) Negate a command or set its defaults
	system	System configuration commands
	mode	system mode commands
	maintenance	system maintenance mode
	always-use-custom-profile	always use custom profile when entering maintenance mode

Command Mode

- /exec/configure

system mode maintenance on-reload reset-reason

[no] system mode maintenance on-reload reset-reason <reason>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
system		System configuration commands
mode		system mode commands
maintenance		system maintenance mode
on-reload		on reload maintenance mode configuration
reset-reason		reset reason
		<i>reason</i>

Command Mode

- /exec/configure

system mode maintenance snapshot-delay

[no] system mode maintenance snapshot-delay <delay-value>

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
system	System configuration commands	
mode	system mode commands	
maintenance	system maintenance mode	
snapshot-delay	delay after which after_maintenance snapshot will be taken	
<i>delay-value</i>	delay value in seconds	

Command Mode

- /exec/configure

system mode maintenance timeout

[no] system mode maintenance timeout <timer-value>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
system		System configuration commands
mode		system mode commands
maintenance		system maintenance mode
timeout		restart maintenance mode timer with a new value
<i>timer-value</i>		timer value in minutes

Command Mode

- /exec/configure

system module failure-action shutdown

[no] system module failure-action shutdown

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
system	system Internal Information
module	module commands
failure-action	Configure module action on failure
shutdown	action on failure - shutdown

Command Mode

- /exec/configure

system mrouting performance-mode

[no] system mrouting performance-mode

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
system	System Management Commands	
mrouting	Layer-3 mrouting	
performance-mode	Multicast Performance Mode	

Command Mode

- /exec/configure

system nve drop-glean

system nve drop-glean | no system nve drop-glean

Syntax Description

Syntax Description		
no		Negate the command or set its defaults
system		System Management Commands
nve		VXLAN interface
drop-glean		Disable glean processing for VXLAN routes

Command Mode

- /exec/configure

system nve ecmp-reuse

system nve ecmp-reuse | no system nve ecmp-reuse

Syntax Description

Syntax Description	no	Negate the command or set its defaults
	system	System Management Commands
	nve	VXLAN interface
	ecmp-reuse	Enable ECMP reuse to scale

Command Mode

- /exec/configure

system nve infra-vlans

system nve infra-vlans <vlan-range> | no system nve infra-vlans <vlan-range>

Syntax Description

Syntax Description		
no		Negate the command or set its defaults
system		System Management Commands
nve		VXLAN interface
infra-vlans		Configure Vxlan SVI Uplinks(requires system reload)
<i>vlan-range</i>		VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19 (The range of vlans configured must not exceed 512)

Command Mode

- /exec/configure

system nve infra-vlans force

system nve infra-vlans <vlan-range> force

Syntax Description

Syntax Description

system	System Management Commands
nve	VXLAN interface
infra-vlans	Configure Vxlan SVI Uplinks(requires system reload)
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19 (The range of vlans configured must not exceed 512)
force	Force-set infra-vlans

Command Mode

- /exec/configure

system nve ingress-replication round-robin

[no] system nve ingress-replication round-robin

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
system	System Management Commands	
nve	VXLAN interface	
ingress-replication	VXLAN Ingress replication	
round-robin	Round-Robin hashing of underlay-paths for VXLAN ingress-replication peers	

Command Mode

- /exec/configure

system nve ipmc global index-size

system nve ipmc global index-size { <size> | default } | no system nve ipmc global index-size [<size>]

Syntax Description

Syntax Description		
no		Negate the command or set its defaults
system		System Management Commands
nve		VXLAN interface
ipmc		Configure ipmc index size
global		Configure global ipmc size
index-size		Configure index size
<i>size</i>		ipmc allowed size
default		Default size is 3000

Command Mode

- /exec/configure

system nve mac-learn-disable

system nve mac-learn-disable | no system nve mac-learn-disable

Syntax Description

Syntax Description		
no		Negate the command or set its defaults
system		System Management Commands
nve		VXLAN interface
mac-learn-disable		Disable mac learning on VXLAN tunnels

Command Mode

- /exec/configure

system nve mac-nat-enable

system nve mac-nat-enable | no system nve mac-nat-enable

Syntax Description

Syntax Description		
	no	Negate the command or set its defaults
	system	System Management Commands
	nve	VXLAN interface
	mac-nat-enable	Enable mac NATing for VXLAN routes

Command Mode

- /exec/configure

system nve peer-vni-counter

system nve peer-vni-counter | no system nve peer-vni-counter

Syntax Description

Syntax Description		
no		Negate the command or set its defaults
system		System Management Commands
nve		VXLAN interface
peer-vni-counter		Enable per-peer-per-vni counters

Command Mode

- /exec/configure

system nve policy-install-all

system nve policy-install-all | no system nve policy-install-all

Syntax Description

Syntax Description		
	no	Negate the command or set its defaults
	system	System Management Commands
	nve	VXLAN interface
	policy-install-all	Install policies on all slices of forwarding ASIC

Command Mode

- /exec/configure

system offline

system offline

Syntax Description

Syntax Description	system	System management commands
---------------------------	--------	----------------------------

	offline	Go offline
--	---------	------------

Command Mode

- /exec

system private-vlan fex trunk

[no] system private-vlan fex trunk

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
system		System configuration commands
private-vlan		Configure Private VLANs
fex		Configure PVLANs on FEX Host Interface
trunk		Configure PVLANs on FEX Trunk Ports

Command Mode

- /exec/configure

system pss shrink

system pss shrink

Syntax Description

Syntax Description	system	System management commands
	pss	PSS commands
	shrink	shrink pss files

Command Mode

- /exec

system qos

system qos

Syntax Description

Syntax Description

system System management commands

qos QoS parameters

Command Mode

- /exec/configure

system release mod-lock uuid nodeid

system release mod-lock uuid <uuid-hex> nodeid <nodeid-hex>

Syntax Description

Syntax Description		
system		System management commands
release		release
mod-lock		module lock
uuid		uuid of the service holding the lock
<i>uuid-hex</i>		uuid
nodeid		node-id
<i>nodeid-hex</i>		nodeid

Command Mode

- /exec

system restart vdc service name

system restart vdc { <e-vdc2> | <vdc-id> } service name <s0>

Syntax Description

Syntax Description	Description
system	System management commands
restart	Restart a service
vdc	VDC number
<i>e-vdc2</i>	Enter VDC <vdc-id>
<i>vdc-id</i>	vdc number
service	Service to be restarted
name	Name of a service
<i>s0</i>	Name of service

Command Mode

- /exec/configure

system routing performance-mode

[no] system routing performance-mode

Syntax Description

Syntax Description		
	no	(Optional) Negate a command or set its defaults
	system	System Management Commands
	routing	Layer-3 routing
	performance-mode	Performance Mode

Command Mode

- /exec/configure

system routing unknown-unicast-flood

[no] system routing unknown-unicast-flood

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
system	System Management Commands	
routing	Layer-3 routing	
unknown-unicast-flood	Hardware flood post-routed traffic on SVI if dest-mac->layer2-port binding unknown	

Command Mode

- /exec/configure

system shutdown fan-direction mismatch

system shutdown fan-direction mismatch | no system shutdown fan-direction mismatch

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
system		System management commands
shutdown		Shutdown management commands
fan-direction		Fan-direction check
mismatch		Mismatch in check

Command Mode

- /exec/configure

system standby manual-boot

system no standby manual-boot

Syntax Description

Syntax Description

system	System management commands
no	Negate a command or set its defaults
standby	System standby manual boot
manual-boot	No action taken to force-download standby sup

Command Mode

- /exec

system standby manual-boot

system standby manual-boot

Syntax Description

Syntax Description		
	system	System management commands
	standby	System standby management commands
	manual-boot	No action taken to force-download standby sup

Command Mode

- /exec

system standby reload vdc

```
system standby reload vdc { <e-vdc2> | <i0> }
```

Syntax Description

Syntax Description

system System management commands

standby System standby management commands

reload Reload

vdc vdc to reload

e-vdc2 Enter VDC <vdc-id>

i0 vdc number

Command Mode

- /exec

system startup-config init

system startup-config init

Syntax Description

Syntax Description		
	system	System management commands
	startup-config	System startup-config commands
	init	Initialize the startup-configuration

Command Mode

- /exec

system startup-config kill config-update

system startup-config kill config-update

Syntax Description

Syntax Description	system	System management commands
	startup-config	System startup-config commands
	kill	Kill configuration update
	config-update	Kill configuration update

Command Mode

- /exec

system startup-config unlock

system startup-config unlock <i0>

Syntax Description

Syntax Description	system	System management commands
	startup-config	System startup-config commands
	unlock	Unlock startup-config
	<i>i0</i>	Startup-config lock id

Command Mode

- /exec

system statistics

system statistics

Syntax Description

Syntax Description

system System management commands

statistics enables sysmgr statistics

Command Mode

- /exec

system statistics

system no statistics

Syntax Description

Syntax Description	
system	System management commands
no	Negate a command or set its defaults
statistics	disable the sysmgr statistics

Command Mode

- /exec

system switch-mode

```
system switch-mode { <mode> }
```

Syntax Description

Syntax Description		
	system	System management commands
	switch-mode	change switch operational mode
	<i>mode</i>	switch mode

Command Mode

- /exec/configure

system switchover

system switchover

Syntax Description

Syntax Description	
system	System management commands
switchover	Switch over to the standby supervisor

Command Mode

- /exec

system switchover force

system switchover force

Syntax Description

Syntax Description

system	System management commands
--------	----------------------------

switchover	Switch over to the standby supervisor
------------	---------------------------------------

force	Force switch over to the standby supervisor
-------	---

Command Mode

- /exec

system swover-timeout-reset

[no] system swover-timeout-reset

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	system	System management commands
	swover-timeout-reset	switchover timeout and reset

Command Mode

- /exec

system trace

{ system trace <i0> | no system trace [<i0>] }

Syntax Description

Syntax Description	no	Negate a command or set its defaults
	system	System configuration commands
	trace	To configure system trace level
	<i>i0</i>	Select the mask

Command Mode

- /exec/configure

system urpf disable

[no] system urpf disable

Syntax Description

Syntax Description	no (Optional) Negate a command or set its defaults
	system System Management Commands
	urpf Manage urpf enable/disable
	disable disable

Command Mode

- /exec/configure

system vlan reserve

system vlan <start-val> reserve | no system vlan <start-val> reserve

Syntax Description

Syntax Description

system	system wide configuration
no	Select default reserved vlans group vlan 3968-4094
vlan	Vlan commands
<i>start-val</i>	minimum VLANs value
reserve	reservation

Command Mode

- /exec/configure

system vrf-member-change retain-l3-config

[no] system vrf-member-change retain-l3-config

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
system		System management commands
vrf-member-change	vrf member change	
retain-l3-config	retain L3 configuration	

Command Mode

- /exec/configure

system watchdog

system no watchdog

Syntax Description

Syntax Description

system System management commands

no Negate a command or set its defaults

watchdog enables watchdog

Command Mode

- /exec

system watchdog

system watchdog

Syntax Description

Syntax Description	system	System management commands
	watchdog	enables watchdog

Command Mode

- /exec

system watchdog kgdb

system no watchdog kgdb

Syntax Description

Syntax Description

system	System management commands
no	Negate a command or set its defaults
watchdog	enables watchdog
kgdb	enter kgdb on watchdog failure

Command Mode

- /exec

system watchdog kgdb

system watchdog kgdb

Syntax Description

Syntax Description	
system	System management commands
watchdog	enables watchdog
kgdb	enter kgdb on watchdog failure

Command Mode

- /exec

