



## S Commands

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- [sak-expiry-time](#), on page 17
- [sak-rekey-time](#), on page 18
- [sampling-rate prepost](#), on page 19
- [sampling](#), on page 20
- [sampling rate](#), on page 21
- [sampling rate](#), on page 22
- [sampling rate](#), on page 23
- [sap hash-algorithm HMAC-SHA-1](#), on page 24
- [sap modelist](#), on page 25
- [sap pmk sap pmk use-dot1x](#), on page 26
- [save](#), on page 27
- [save configuration load](#), on page 28
- [scale-factor module](#), on page 29
- [scheduler aaa-authentication](#), on page 30
- [scheduler job name](#), on page 31
- [scheduler logfile size](#), on page 32
- [scheduler schedule name](#), on page 33
- [scheduler transport email](#), on page 34
- [schema](#), on page 35
- [scripting tcl init](#), on page 36
- [scripting tcl recursion-limit](#), on page 37
- [sds module](#), on page 38
- [sds module](#), on page 39
- [section](#), on page 40
- [secure-handoff](#), on page 41
- [security-level](#), on page 42
- [security-policy](#), on page 43
- [sed](#), on page 44
- [segment-list name](#), on page 45
- [segment-routing](#), on page 46
- [segment-routing](#), on page 47
- [segment-routing mpls](#), on page 48
- [segment-routing mpls](#), on page 49

- [segment-routing srv6, on page 50](#)
- [segment-routing srv6, on page 51](#)
- [segment-routing srv6, on page 52](#)
- [segment-routing srv6, on page 53](#)
- [segment-routing srv6, on page 54](#)
- [segment-routing traffic-engineering reoptimize, on page 55](#)
- [segment-routing traffic-engineering switch name preference, on page 56](#)
- [segment-routing traffic-engineering test bfd notif bsid session-id state, on page 57](#)
- [segments, on page 58](#)
- [segments, on page 59](#)
- [selection input, on page 60](#)
- [selection input, on page 61](#)
- [selection input, on page 62](#)
- [send-community, on page 63](#)
- [send-community, on page 64](#)
- [send-community extended, on page 65](#)
- [send-lifetime smonth\\_a smonth\\_b smonth\\_c smonth\\_d smonth\\_e smonth\\_f smonth\\_g smonth\\_h smonth\\_i smonth\\_j smonth\\_k smonth\\_l duration infinite emonth\\_a emonth\\_b emonth\\_c emonth\\_d emonth\\_e emonth\\_f emonth\\_g emonth\\_h emonth\\_i emonth\\_j emonth\\_k emonth\\_l, on page 66](#)
- [send-lifetime smonth\\_a smonth\\_b smonth\\_c smonth\\_d smonth\\_e smonth\\_f smonth\\_g smonth\\_h smonth\\_i smonth\\_j smonth\\_k smonth\\_l duration infinite emonth\\_a emonth\\_b emonth\\_c emonth\\_d emonth\\_e emonth\\_f emonth\\_g emonth\\_h emonth\\_i emonth\\_j emonth\\_k emonth\\_l, on page 68](#)
- [send-lifetime smonth\\_a smonth\\_b smonth\\_c smonth\\_d smonth\\_e smonth\\_f smonth\\_g smonth\\_h smonth\\_i smonth\\_j smonth\\_k smonth\\_l duration infinite emonth\\_a emonth\\_b emonth\\_c emonth\\_d emonth\\_e emonth\\_f emonth\\_g emonth\\_h emonth\\_i emonth\\_j emonth\\_k emonth\\_l, on page 70](#)
- [send, on page 72](#)
- [send session, on page 73](#)
- [sender, on page 74](#)
- [sender, on page 75](#)
- [sensor-group, on page 76](#)
- [sequence, on page 77](#)
- [sequence, on page 78](#)
- [server-key 0 7, on page 79](#)
- [server, on page 80](#)
- [server, on page 81](#)
- [server, on page 82](#)
- [server protocol ldap, on page 83](#)
- [server protocol radius group, on page 84](#)
- [server protocol xmpp ip, on page 85](#)
- [service-end-point interface, on page 86](#)
- [service-end-point interface, on page 87](#)
- [service-end-point ip, on page 88](#)
- [service-end-point ip, on page 89](#)
- [service-interface, on page 90](#)
- [service-list, on page 91](#)
- [service-list in, on page 92](#)

- [service-name](#), on page 93
- [service-policy-dynamic input](#), on page 94
- [service-policy](#), on page 95
- [service-policy](#), on page 96
- [service-policy](#), on page 97
- [service-policy](#), on page 98
- [service-policy input](#), on page 99
- [service-policy type network-qos](#), on page 100
- [service-policy type qos](#), on page 101
- [service-policy type queuing](#), on page 102
- [service-policy type queuing](#), on page 103
- [service-policy type queuing](#), on page 104
- [service-type](#), on page 105
- [service announcement-count](#), on page 106
- [service announcement-timer periodicity](#), on page 107
- [service exclude-bootconfig](#), on page 108
- [service password-recovery](#), on page 109
- [service query-count](#), on page 110
- [service query-timer periodicity](#), on page 111
- [service unsupported-transceiver](#), on page 112
- [session-limit](#), on page 113
- [session domain-lookup](#), on page 114
- [session protection](#), on page 115
- [set-attached-bit](#), on page 116
- [set-overload-bit](#), on page 117
- [set-overload-bit](#), on page 118
- [set](#), on page 119
- [set](#), on page 120
- [set](#), on page 121
- [set](#), on page 122
- [set](#), on page 124
- [set](#), on page 125
- [set as-path-length difference](#), on page 128
- [set as-path none remote-as local-as](#), on page 129
- [set as-path prepend last-as tag](#), on page 130
- [set as-path replace private-as](#), on page 131
- [set comm-list delete](#), on page 132
- [set cos](#), on page 133
- [set cos](#), on page 134
- [set dampening](#), on page 135
- [set distance](#), on page 136
- [set esi all](#), on page 137
- [set evpn gateway-ip](#), on page 138
- [set extcomm-list delete](#), on page 139
- [set extcommunity 4byteas-generic transitive additive](#), on page 140
- [set extcommunity color](#), on page 141

- [set extcommunity cost, on page 142](#)
- [set extcommunity evpn rmac, on page 143](#)
- [set extcommunity rt additive, on page 144](#)
- [set forwarding-address, on page 145](#)
- [set inner ipv4, on page 146](#)
- [set inner ipv4, on page 148](#)
- [set inner l2, on page 150](#)
- [set inner l2, on page 152](#)
- [set inner l2 hg2, on page 154](#)
- [set inner l2 hg2, on page 156](#)
- [set inner l4, on page 158](#)
- [set inner l4, on page 159](#)
- [set interface, on page 160](#)
- [set interval find-new-host, on page 161](#)
- [set interval sync-full-info, on page 162](#)
- [set ip address prefix-list, on page 163](#)
- [set ip default next-hop, on page 164](#)
- [set ip default next-hop verify-availability, on page 165](#)
- [set ip default vrf next-hop, on page 166](#)
- [set ip default vrf next-hop verify-availability, on page 167](#)
- [set ip next-hop, on page 168](#)
- [set ip next-hop, on page 169](#)
- [set ip next-hop, on page 170](#)
- [set ip next-hop peer-address, on page 171](#)
- [set ip next-hop redist-unchanged, on page 172](#)
- [set ip next-hop unchanged, on page 173](#)
- [set ip next-hop verify-availability, on page 174](#)
- [set ip precedence, on page 175](#)
- [set ip vrf next-hop, on page 176](#)
- [set ip vrf next-hop verify-availability, on page 177](#)
- [set ipv6 address prefix-list, on page 178](#)
- [set ipv6 default next-hop, on page 179](#)
- [set ipv6 default next-hop verify-availability, on page 180](#)
- [set ipv6 default vrf next-hop, on page 181](#)
- [set ipv6 default vrf next-hop verify-availability, on page 182](#)
- [set ipv6 next-hop, on page 183](#)
- [set ipv6 next-hop, on page 184](#)
- [set ipv6 next-hop, on page 185](#)
- [set ipv6 next-hop peer-address, on page 186](#)
- [set ipv6 next-hop redist-unchanged, on page 187](#)
- [set ipv6 next-hop unchanged, on page 188](#)
- [set ipv6 next-hop verify-availability, on page 189](#)
- [set ipv6 precedence, on page 190](#)
- [set ipv6 vrf next-hop, on page 191](#)
- [set ipv6 vrf next-hop verify-availability, on page 192](#)
- [set label-index, on page 193](#)

- set large-community-list delete, on page 194
- set large-community none additive, on page 195
- set level level-1 level-1-2 level-2, on page 196
- set load-share, on page 197
- set load-share multipath-equal-group, on page 198
- set load-share multipath-unequal-group, on page 199
- set local-preference, on page 200
- set maximum-paths, on page 201
- set metric, on page 202
- set metric difference, on page 203
- set mpls-exp-topmost cos table exp-cos-map, on page 204
- set nssa-only, on page 205
- set origin egp igp incomplete, on page 206
- set outer ipv4, on page 207
- set outer l2, on page 209
- set outer l2 hg2, on page 211
- set outer l4, on page 213
- set pktrw, on page 214
- set service, on page 220
- set service, on page 221
- set sideband, on page 222
- set srte-policy, on page 225
- set srte-policy name, on page 226
- set tag, on page 227
- set weight, on page 228
- setup, on page 229
- sflow, on page 230
- sflow, on page 231
- sflow data-source interface, on page 232
- sflow data-source interface, on page 233
- sflow extended bgp, on page 234
- sflow extended switch, on page 235
- shared-secret, on page 236
- shut, on page 237
- shutdown, on page 238
- shutdown, on page 239
- shutdown, on page 240
- shutdown, on page 241
- shutdown, on page 242
- shutdown, on page 243
- shutdown, on page 244
- shutdown, on page 245
- shutdown, on page 246
- shutdown, on page 247
- shutdown, on page 248
- shutdown, on page 249

- shutdown, on page 250
- shutdown, on page 251
- shutdown, on page 252
- shutdown, on page 253
- shutdown, on page 254
- shutdown, on page 255
- shutdown, on page 256
- shutdown, on page 257
- shutdown, on page 258
- shutdown, on page 259
- shutdown, on page 260
- shutdown, on page 261
- shutdown, on page 262
- shutdown, on page 263
- shutdown, on page 264
- shutdown, on page 265
- shutdown, on page 266
- shutdown, on page 267
- shutdown, on page 268
- shutdown, on page 269
- shutdown, on page 270
- shutdown, on page 271
- shutdown, on page 272
- shutdown, on page 273
- shutdown, on page 274
- shutdown, on page 275
- shutdown, on page 276
- shutdown, on page 277
- shutdown, on page 278
- shutdown, on page 279
- shutdown force, on page 280
- shutdown lan, on page 281
- shutdown lan, on page 282
- signing level, on page 283
- site-id, on page 284
- site-of-origin, on page 285
- sleep, on page 286
- sleep instance, on page 287
- slot, on page 288
- slot, on page 289
- smtp-host smtp-port reply-to from, on page 290
- snapshot create, on page 291
- snapshot delete, on page 292
- snapshot delete ALL, on page 293
- snapshot section add, on page 294
- snapshot section delete, on page 295

- [snmp-server aaa-user cache-timeout](#), on page 296
- [snmp-server community](#), on page 297
- [snmp-server community](#), on page 298
- [snmp-server contact](#), on page 299
- [snmp-server context](#), on page 300
- [snmp-server counter cache enable](#), on page 301
- [snmp-server counter cache timeout](#), on page 302
- [snmp-server drop unknown](#), on page 303
- [snmp-server enable traps](#), on page 304
- [snmp-server enable traps bgp](#), on page 305
- [snmp-server enable traps bgp cbgp2](#), on page 306
- [snmp-server enable traps bgp cbgp2 threshold prefix](#), on page 307
- [snmp-server enable traps bgp threshold prefix](#), on page 308
- [snmp-server enable traps eigrp](#), on page 309
- [snmp-server enable traps ospf](#), on page 310
- [snmp-server enable traps ospf lsa](#), on page 311
- [snmp-server enable traps ospf rate-limit](#), on page 312
- [snmp-server enable traps ospfv3](#), on page 313
- [snmp-server enable traps ospfv3 lsa](#), on page 314
- [snmp-server enable traps ospfv3 lsa](#), on page 315
- [snmp-server enable traps ospfv3 rate-limit](#), on page 316
- [snmp-server enable traps storm-control trap-rate](#), on page 317
- [snmp-server engineID local](#), on page 318
- [snmp-server globalEnforcePriv](#), on page 319
- [snmp-server host filter-vrf](#), on page 320
- [snmp-server host source](#), on page 321
- [snmp-server host use-vrf](#), on page 322
- [snmp-server local use-vrf](#), on page 323
- [snmp-server location](#), on page 324
- [snmp-server mib community-map context](#), on page 325
- [snmp-server protocol enable](#), on page 326
- [snmp-server source-interface informs](#), on page 327
- [snmp-server source-interface traps](#), on page 328
- [snmp-server system-shutdown](#), on page 329
- [snmp-server tcp-session](#), on page 330
- [snmp-server user](#), on page 331
- [snmp-server user](#), on page 333
- [snmp ifmib ifalias long](#), on page 334
- [snmp trap link-status](#), on page 335
- [snmp trap link-status](#), on page 336
- [snmp trap link-status](#), on page 337
- [snmp trap link-status](#), on page 338
- [snmp trap link-status](#), on page 339
- [snr threshold](#), on page 340
- [snsr-grp sample-interval](#), on page 341
- [sockets local-port-range](#), on page 342

- [soft-reconfiguration inbound, on page 343](#)
- [sort, on page 344](#)
- [source-address ipv4, on page 345](#)
- [source-address ipv6, on page 346](#)
- [source-interface, on page 347](#)
- [source-interface, on page 348](#)
- [source-interface, on page 349](#)
- [source-interface, on page 350](#)
- [source-interface, on page 351](#)
- [source-interface, on page 352](#)
- [source-interface, on page 353](#)
- [source-interface, on page 354](#)
- [source-interface, on page 355](#)
- [source-interface, on page 356](#)
- [source-interface hold-down-time, on page 357](#)
- [source, on page 358](#)
- [source, on page 359](#)
- [source, on page 360](#)
- [source, on page 361](#)
- [source, on page 362](#)
- [source, on page 363](#)
- [source, on page 364](#)
- [source, on page 365](#)
- [source, on page 366](#)
- [source, on page 367](#)
- [source, on page 368](#)
- [source copy-sys, on page 369](#)
- [source forward-drops, on page 370](#)
- [source group permit, on page 371](#)
- [source group permit, on page 372](#)
- [source interface, on page 373](#)
- [source interface, on page 374](#)
- [source interface, on page 375](#)
- [source ip, on page 376](#)
- [source ipv4, on page 377](#)
- [source ipv6, on page 378](#)
- [source port, on page 379](#)
- [source port, on page 380](#)
- [source vlan, on page 381](#)
- [source vlan, on page 382](#)
- [source vsan, on page 383](#)
- [spanning-tree bpdupfilter, on page 384](#)
- [spanning-tree bpduguard, on page 385](#)
- [spanning-tree bridge-domain, on page 386](#)
- [spanning-tree bridge assurance, on page 387](#)
- [spanning-tree cost, on page 388](#)



- [spanning-tree cost auto](#), on page 389
- [spanning-tree domain](#), on page 390
- [spanning-tree domain clear statistics](#), on page 391
- [spanning-tree fcoe](#), on page 392
- [spanning-tree guard](#), on page 393
- [spanning-tree lc-issu](#), on page 394
- [spanning-tree lc-issu](#), on page 395
- [spanning-tree link-type](#), on page 396
- [spanning-tree loopguard default](#), on page 397
- [spanning-tree mode](#), on page 398
- [spanning-tree mst configuration](#), on page 399
- [spanning-tree mst configuration](#), on page 400
- [spanning-tree mst cost](#), on page 401
- [spanning-tree mst cost auto](#), on page 402
- [spanning-tree mst forward-time](#), on page 403
- [spanning-tree mst hello-time](#), on page 404
- [spanning-tree mst max-age](#), on page 405
- [spanning-tree mst max-hops](#), on page 406
- [spanning-tree mst port-priority](#), on page 407
- [spanning-tree mst pre-standard](#), on page 408
- [spanning-tree mst priority](#), on page 409
- [spanning-tree mst root](#), on page 410
- [spanning-tree mst simulate pvst](#), on page 411
- [spanning-tree mst simulate pvst global](#), on page 412
- [spanning-tree pathcost method](#), on page 413
- [spanning-tree port-priority](#), on page 414
- [spanning-tree port type](#), on page 415
- [spanning-tree port type edge bpdudfilter default](#), on page 416
- [spanning-tree port type edge bpduguard default](#), on page 417
- [spanning-tree port type edge default](#), on page 418
- [spanning-tree port type edge trunk](#), on page 419
- [spanning-tree port type network default](#), on page 420
- [spanning-tree pseudo-information](#), on page 421
- [spanning-tree vlan](#), on page 422
- [spanning-tree vlan forward-time](#), on page 423
- [spanning-tree vlan hello-time](#), on page 424
- [spanning-tree vlan max-age](#), on page 425
- [spanning-tree vlan priority](#), on page 426
- [spanning-tree vlan root](#), on page 427
- [speed-group](#), on page 428
- [speed](#), on page 429
- [speed](#), on page 430
- [speed](#), on page 431
- [speed](#), on page 432
- [speed](#), on page 433
- [speed](#), on page 434

- speed, on page 435
- speed, on page 436
- speed auto, on page 437
- speed auto 100, on page 438
- speed auto 100 1000, on page 439
- speed auto 100 1000 2500 5000, on page 440
- speed auto 100 1000, on page 441
- speed auto 100, on page 442
- speed auto 2500 5000 10000, on page 443
- speed auto, on page 444
- spf-interval, on page 445
- spf-interval, on page 446
- spf-interval, on page 447
- spf hold, on page 448
- split-horizon per-site, on page 449
- sport, on page 450
- sport, on page 451
- src-intf, on page 452
- srv6, on page 453
- srv6, on page 454
- ssh, on page 455
- ssh6, on page 456
- ssh all, on page 457
- ssh cipher-mode weak, on page 458
- ssh ciphers aes256-gcm, on page 459
- ssh idle, on page 460
- ssh kexalgorithms ecdh-sha2-nistp384, on page 461
- ssh key, on page 462
- ssh login-attempts, on page 463
- ssh login-gracetime, on page 464
- ssh port, on page 465
- ssh rekey max-data max-time, on page 466
- ssm disable, on page 467
- ssm disable, on page 468
- ssm disable, on page 469
- ssx exporter, on page 470
- ssx monitor, on page 471
- ssx record, on page 472
- ssx system monitor, on page 473
- ssx system system-id, on page 474
- stage-flow, on page 475
- stage-flow, on page 476
- standby, on page 477
- start-threshold, on page 478
- start, on page 479
- start, on page 480

- start, on page 481
- start, on page 482
- start, on page 483
- start, on page 484
- start, on page 485
- state, on page 486
- state enabled, on page 487
- statistics, on page 488
- statistics, on page 489
- statistics, on page 490
- statistics, on page 491
- statistics per-entry, on page 492
- statistics per-entry, on page 493
- statistics per-entry, on page 494
- statistics per-entry, on page 495
- stats-reporting-period, on page 496
- status, on page 497
- status, on page 498
- status, on page 499
- status, on page 500
- status, on page 501
- status, on page 502
- status, on page 503
- stop-threshold, on page 504
- stopbits, on page 505
- stopbits 1, on page 506
- storm-ctrl multi, on page 507
- storm-control-cpu, on page 508
- storm-control, on page 509
- streetaddress, on page 510
- stub, on page 511
- subscription, on page 512
- summary-address, on page 513
- summary-address, on page 514
- summary-address, on page 515
- summary-address, on page 516
- suppress-arp, on page 517
- suppress-fib-pending, on page 518
- suppress-fib-pending, on page 519
- suppress-inactive, on page 520
- suppress-inactive, on page 521
- suppress-signaling-protocol ldp, on page 522
- suppress mac-route, on page 523
- suppress nd, on page 524
- switch-id, on page 525
- switch-latency, on page 526

- [switch-latency](#), on page 527
- [switch-priority](#), on page 528
- [switch-profile](#), on page 529
- [switch-profile](#), on page 530
- [switch-role border-leaf](#), on page 531
- [switchback](#), on page 532
- [switching-mode fabric-speed 40g](#), on page 533
- [switching-mode fast-to-slow-speed-cut-through](#), on page 534
- [switching-mode store-forward](#), on page 535
- [switchport](#), on page 536
- [switchport](#), on page 537
- [switchport access vlan](#), on page 538
- [switchport access vlan](#), on page 539
- [switchport access vlan](#), on page 540
- [switchport access vlan](#), on page 541
- [switchport autostate exclude](#), on page 542
- [switchport backup interface](#), on page 543
- [switchport backup interface](#), on page 544
- [switchport backup interface multicast fast-convergence](#), on page 545
- [switchport backup interface multicast fast-convergence](#), on page 546
- [switchport backup interface preemption delay](#), on page 547
- [switchport backup interface preemption delay](#), on page 548
- [switchport backup interface preemption mode](#), on page 549
- [switchport backup interface preemption mode](#), on page 550
- [switchport beacon](#), on page 551
- [switchport block unicast](#), on page 552
- [switchport description](#), on page 553
- [switchport dot1q ethertype](#), on page 554
- [switchport dot1q ethertype](#), on page 555
- [switchport duplex](#), on page 556
- [switchport host](#), on page 557
- [switchport ignore bit-errors](#), on page 558
- [switchport isolated](#), on page 559
- [switchport mac-address static](#), on page 560
- [switchport mac-learn disable](#), on page 561
- [switchport mode](#), on page 562
- [switchport mode](#), on page 563
- [switchport mode](#), on page 564
- [switchport mode](#), on page 565
- [switchport mode](#), on page 566
- [switchport mode](#), on page 567
- [switchport mode](#), on page 568
- [switchport mode fabricpath](#), on page 569
- [switchport mode monitor buffer-limit](#), on page 570
- [switchport mode private-vlan](#), on page 571
- [switchport mode private-vlan](#), on page 572

- [switchport mode private-vlan trunk](#), on page 573
- [switchport mode private-vlan trunk](#), on page 574
- [switchport monitor](#), on page 575
- [switchport mtu](#), on page 576
- [switchport owner](#), on page 577
- [switchport port-security](#), on page 578
- [switchport port-security aging time](#), on page 579
- [switchport port-security aging type absolute](#), on page 580
- [switchport port-security mac-address](#), on page 581
- [switchport port-security mac-address sticky](#), on page 582
- [switchport port-security maximum](#), on page 583
- [switchport port-security violation](#), on page 584
- [switchport priority extend cos](#), on page 585
- [switchport private-vlan association trunk](#), on page 586
- [switchport private-vlan association trunk](#), on page 587
- [switchport private-vlan host-association](#), on page 588
- [switchport private-vlan host-association](#), on page 589
- [switchport private-vlan mapping](#), on page 590
- [switchport private-vlan mapping](#), on page 591
- [switchport private-vlan mapping trunk](#), on page 592
- [switchport private-vlan mapping trunk](#), on page 593
- [switchport private-vlan trunk allowed vlan](#), on page 594
- [switchport private-vlan trunk allowed vlan](#), on page 595
- [switchport private-vlan trunk native vlan](#), on page 596
- [switchport private-vlan trunk native vlan](#), on page 597
- [switchport promiscuous-mode off](#), on page 598
- [switchport speed](#), on page 599
- [switchport speed](#), on page 600
- [switchport trunk allow-multi-tag](#), on page 601
- [switchport trunk allowed vlan](#), on page 602
- [switchport trunk allowed vlan](#), on page 603
- [switchport trunk allowed vsan](#), on page 604
- [switchport trunk allowed vsan](#), on page 605
- [switchport trunk mode](#), on page 606
- [switchport trunk native vlan](#), on page 607
- [switchport trunk native vlan](#), on page 608
- [switchport trunk pruning vlan except add remove none all](#), on page 609
- [switchport virtual-ethernet-bridge](#), on page 610
- [switchport vlan mapping](#), on page 611
- [switchport vlan mapping all](#), on page 612
- [switchport vlan mapping all dot1q-tunnel](#), on page 613
- [switchport vlan mapping dot1q-tunnel](#), on page 614
- [switchport vlan mapping dot1q-tunnel allowed-vlan](#), on page 615
- [switchport vlan mapping enable](#), on page 616
- [switchport voice vlan](#), on page 617
- [switchport voice vlan](#), on page 618

- `switchto vdc`, on page 619
- `swwn`, on page 620
- `sync-peers destination`, on page 621
- `sync duration`, on page 622
- `sync duration range`, on page 623
- `sync interval`, on page 624
- `sync interval range`, on page 625
- `system-mac`, on page 626
- `system-priority`, on page 627
- `system`, on page 628
- `system acl-adjacency-sharing`, on page 629
- `system acl-adjacency-sharing`, on page 630
- `system acl`, on page 631
- `system auto-collect tech-support`, on page 632
- `system cores`, on page 633
- `system default interface-vlan autostate`, on page 634
- `system default interface`, on page 635
- `system default interface`, on page 636
- `system default reset-dei`, on page 637
- `system default route-map validate-applied`, on page 638
- `system default switchport`, on page 639
- `system default switchport fabricpath`, on page 640
- `system default switchport shutdown`, on page 641
- `system default tx-credit double-queue`, on page 642
- `system default zone`, on page 643
- `system dot1q-tunnel transit`, on page 644
- `system fabric-mode full-rate`, on page 645
- `system fabric core-vlans`, on page 646
- `system fabric dynamic-vlans`, on page 647
- `system fast-reload stabilization-timer`, on page 648
- `system hap-reset`, on page 649
- `system hap-reset`, on page 650
- `system health check bootflash`, on page 651
- `system heartbeat`, on page 652
- `system heartbeat`, on page 653
- `system high-multicast-priority`, on page 654
- `system inband cpu-mac log threshold rx tx`, on page 655
- `system interface shutdown`, on page 656
- `system jumbomtu`, on page 657
- `system login block-for`, on page 658
- `system login block-for attempts within`, on page 659
- `system login quiet-mode`, on page 660
- `system login quiet-mode access-class`, on page 661
- `system memory-thresholds minor severe critical`, on page 662
- `system mld snooping`, on page 663
- `system mode maintenance`, on page 664

- [system mode maintenance always-use-custom-profile](#), on page 665
- [system mode maintenance maint-delay](#), on page 666
- [system mode maintenance on-reload reset-reason](#), on page 667
- [system mode maintenance snapshot-delay](#), on page 668
- [system mode maintenance timeout](#), on page 669
- [system modifications throttle](#), on page 670
- [system module failure-action shutdown](#), on page 671
- [system module failure-action shutdown multibit-parity](#), on page 672
- [system mrouting](#), on page 673
- [system multicast-priority](#), on page 674
- [system multicast dcs-check](#), on page 675
- [system multicast pvlan route-replication](#), on page 676
- [system nve ecmp-reuse](#), on page 677
- [system nve infra-vlans](#), on page 678
- [system nve ingress-replication round-robin](#), on page 679
- [system nve ipmc global index-size](#), on page 680
- [system nve mac-nat-enable](#), on page 681
- [system nve nat peer-ip](#), on page 682
- [system nve policy-install-all](#), on page 683
- [system pic-core](#), on page 684
- [system poap](#), on page 685
- [system poap](#), on page 686
- [system private-vlan fex trunk](#), on page 687
- [system pss shrink](#), on page 688
- [system qos](#), on page 689
- [system routing l3-scale](#), on page 690
- [system routing mode low-latency](#), on page 691
- [system routing unknown-unicast-flood](#), on page 692
- [system routing vrf-aware-nat](#), on page 693
- [system security compliance common-criteria](#), on page 694
- [system security consent-token shell-access](#), on page 695
- [system security sudo prompt-password](#), on page 696
- [system server session cmd-timeout](#), on page 697
- [system shutdown fan-direction mismatch](#), on page 698
- [system simulate fan-presence](#), on page 699
- [system software allow third-party](#), on page 700
- [system standby manual-boot](#), on page 701
- [system standby manual-boot](#), on page 702
- [system startup-config init](#), on page 703
- [system startup-config unlock](#), on page 704
- [system statistics](#), on page 705
- [system statistics](#), on page 706
- [system storm-control multi-threshold](#), on page 707
- [system storm-control priority-policy drop-l3](#), on page 708
- [system switch-mode](#), on page 709
- [system switchover](#), on page 710

- [system timeout](#), on page 711
- [system trace](#), on page 712
- [system urpf disable](#), on page 713
- [system vlan long-name](#), on page 714
- [system vlan nve-overlay id](#), on page 715
- [system vlan reserve](#), on page 716
- [system vrf-member-change retain-l3-config](#), on page 717
- [system watchdog](#), on page 718
- [system watchdog](#), on page 719
- [system watchdog kgdb](#), on page 720
- [system watchdog kgdb](#), on page 721



# sak-expiry-time

[no] sak-expiry-time <ts>

## Syntax Description

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

## Command Mode

- /exec/configure/macsec-policy

# sak-rekey-time

[no] sak-rekey-time <ts>

## Syntax Description

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

## Command Mode

- /exec/configure/tunenc-policy

# sampling-rate prepost

[no] sampling-rate { pre-trigger <pre-sample-rate> } { post-trigger <post-sample-rate> }

## Syntax Description

no	(Optional) Negate the command
sampling-rate	Configure sampling-rate parameters
pre-trigger	Pre-trigger parameters
<i>pre-sample-rate</i>	Transactions to be captured out of 16 samples (1-16)
post-trigger	Post-trigger parameters
<i>post-sample-rate</i>	Transactions to be captured out of 16 samples (1-16)

## Command Mode

- /exec/configure/pkt-drop

# sampling

sampling <sampling\_range> | no sampling

## Syntax Description

no	Negate a command or set its defaults
sampling	Set the sampling range for SPAN packets.
<i>sampling_range</i>	Sampling range: N = every Nth packet will be spanned

## Command Mode

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

# sampling rate

[no] sampling { rate <samplingrate> | microburst <mbrate> <mbpackets> }

## Syntax Description

sampling	Specify sampling for buffer-drop
rate	Sampling rate for buffer-drop
<i>samplingrate</i>	sampling rate: 10 to 16777215. 1 for capture all
microburst	Microburst mode for buffer-drop
<i>mbrate</i>	Microburst rate. Actual value will be the nearest lower multiple of 122.
<i>mbpackets</i>	Microburst packets

## Command Mode

- /exec/configure/config-buffer-drop-monitor

## sampling rate

[no] sampling { rate <samplingrate> | microburst <mbrate> <mbpackets> }

### Syntax Description

sampling	Specify sampling for buffer-latency
rate	Sampling rate for buffer-latency
<i>samplingrate</i>	sampling rate
microburst	Microburst mode for buffer-latency
<i>mbrate</i>	Microburst rate. Actual value will be the nearest lower multiple of 122.
<i>mbpackets</i>	Microburst packets

### Command Mode

- /exec/configure/config-buffer-latency-monitor

# sampling rate

[no] sampling rate <samplingrate>

## Syntax Description

sampling	Specify sampling for INT Clone MD
rate	Sampling rate for INT Clone MD
<i>samplingrate</i>	sampling rate: 1 for capture all

## Command Mode

- /exec/configure/config-int-clone-md-source-monitor

# sap hash-algorithm HMAC-SHA-1

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

## 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

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

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

save	Save the current configuration session to uri
<i>uri0</i>	Enter the complete uri where the session is to be stored

## Command Mode

- /exec/configure

# save configuration load

{ save configuration | load } <uri0>

## Syntax Description

save	Save the current configuration session to uri
load	Load the configuration
configuration	current configuration session
<i>uri0</i>	Enter file name

## Command Mode

- /exec/configure

# scale-factor module

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

## 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

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 job name

[no] scheduler job name <s0>

## 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

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

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

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
<i>s0</i>	Provide from email address, example: SJ-9500-1@xyz.com
reply-to	Configure replyto email address
<i>s1</i>	Provide reply-to email address, example: admin@xyz.com
smtp-server	Configure SMTP server address
<i>host0</i>	SMTP server(DNS name or IPv4 or IPv6 address)
port	(Optional) Configure SMTP server port (default:25)
<i>i1</i>	(Optional) SMTP server port

## Command Mode

- /exec/configure

# schema

[no] schema <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
schema	PTP unicast-negotiation schema
s0	Name of schema

## Command Mode

- /exec/configure/ptp-ucast-negotiation

# scripting tcl init

scripting tcl init <uri0> | no scripting tcl init

## 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

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

# sds module

sds module <module>

## Syntax Description

sds	silicon one debug shell
module	Module number of the linecard
<i>module</i>	Enter module number

## Command Mode

- /exec

# sds module

sds module <module> <quoted-cmd>

## Syntax Description

sds	silicon one debug shell
module	Module number of the linecard
<i>module</i>	Enter module number
<i>quoted-cmd</i>	script and args to run on debug shell

## Command Mode

- /exec

## section

| section <pattern>

### 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
<i>pattern</i>	the pattern (regular expression) to match

### Command Mode

- /output



# secure-handoff

{ [ no ] secure-handoff }

## 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-level

[no] security-level <seclvl>

## Syntax Description

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

## Command Mode

- /exec/configure/config-snoop-policy

# security-policy

[no] security-policy <policy>

## Syntax Description

security-policy	Configure Security policy
<i>policy</i>	Security Policy options

## Command Mode

- /exec/configure/macsec-policy

# sed

| sed [ -n ] + <expr>

## Syntax Description

	Pipe command output to filter
sed	Stream Editor
-n	(Optional) suppress automatic printing of pattern space
<i>expr</i>	Edition command (script)

## Command Mode

- /output

## segment-list name

[no] segment-list name <seg-list-name>

### Syntax Description

no	(Optional) Negate a command or set its defaults
segment-list	Explicit segment list configuration
name	Segment-list name
<i>seg-list-name</i>	Identifying name for the segment-list with max 64 characters

### Command Mode

- /exec/configure/sr/te

# segment-routing

[no] segment-routing

## Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Enable Segment Routing

## Command Mode

- /exec/configure

# segment-routing

[no] segment-routing

## Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Configure Traffic Engineering Segment Routing related configurations

## Command Mode

- /exec/configure/sr/te

# segment-routing mpls

[no] segment-routing mpls

## Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Segment routing parameters
mpls	Enable segment routing MPLS

## Command Mode

- /exec/configure/router-ospf



# segment-routing mpls

[no] segment-routing mpls

## Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Segment-routing properties
mpls	Configure MPLS parameters

## Command Mode

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

# segment-routing srv6

[no] segment-routing srv6

## Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Segment-routing properties
srv6	Configure Segment-Routing for IPv6

## Command Mode

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

# segment-routing srv6

[no] segment-routing srv6

## Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

## Command Mode

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

## segment-routing srv6

[no] segment-routing srv6

### Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

### Command Mode

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

# segment-routing srv6

[no] segment-routing srv6

## Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

## Command Mode

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

## segment-routing srv6

[no] segment-routing srv6

### Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

### Command Mode

- /exec/configure/router-bgp

# segment-routing traffic-engineering reoptimize

segment-routing traffic-engineering reoptimize [ { name <policy\_name> } | { all } ]

## Syntax Description

segment-routing	Execute Segment Routing related command
traffic-engineering	Execute Segment Routing traffic engineering related command
reoptimize	Reoptimize path preference for policy
name	(Optional) Name of policy
all	(Optional) Reoptimize path preference for all policies
<i>policy_name</i>	(Optional) Enter name of the policy

## Command Mode

- /exec

## segment-routing traffic-engineering switch name preference

segment-routing traffic-engineering switch name <policy\_name> preference <pref>

### Syntax Description

segment-routing	Execute Segment Routing related command
traffic-engineering	Execute Segment Routing traffic engineering related command
switch	Switch path preference for policy
name	Name of policy
preference	Switch to a path preference for the policy
<i>policy_name</i>	Enter name of the policy
<i>pref</i>	Enter path option preference

### Command Mode

- /exec



# segment-routing traffic-engineering test bfd notif bsid session-id state

```
segment-routing traffic-engineering test bfd notif bsid <bsid_id> session-id <session_id> state <sess_state>
[ code <reason_code> ]
```

## Syntax Description

segment-routing	Execute Segment Routing related command
traffic-engineering	Execute Segment Routing traffic engineering related command
test	Test commands
bfd	BFD test commands
notif	Fake a BFD notification
bsid	BSID the notification is for
<i>bsid_id</i>	BSID value
session-id	Session ID the notification is for
<i>session_id</i>	Session ID value
state	BFD session state
<i>sess_state</i>	Session State
code	(Optional) BFD session reason code
<i>reason_code</i>	(Optional) BFD session reason code value

## Command Mode

- /exec

# segments

[no] segments

## Syntax Description

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

## Command Mode

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

# segments

[no] segments

## Syntax Description

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

## Command Mode

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

# selection input

[no] selection input

## Syntax Description

no	(Optional) Negate a command or set its defaults
selection	Selection configuration
input	Enable this source for selection

## Command Mode

- /exec/configure/gnss-if/fsync

# selection input

[no] selection input

## Syntax Description

no	(Optional) Negate a command or set its defaults
selection	Selection configuration
input	Enable this source for selection

## Command Mode

- /exec/configure/if-eth-base/fsync

# selection input

[no] selection input

## Syntax Description

no	(Optional) Negate a command or set its defaults
selection	Selection configuration
input	Enable this source for selection

## Command Mode

- /exec/configure/clock-if/fsync

# send-community

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

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

# send-community

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

## 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-l2vpn-vpls



## send-community extended

[ no | default ] send-community extended

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

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

## send-lifetime smonth\_a smonth\_b smonth\_c smonth\_d smonth\_e smonth\_f smonth\_g smonth\_h smonth\_i smonth\_j smonth\_k smonth\_l duration infinite emonth\_a emonth\_b emonth\_c emonth\_d emonth\_e emonth\_f emonth\_g emonth\_h emonth\_i emonth\_j emonth\_k emonth\_l

```
{ { send-lifetime [ local ] <stime> { smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f |
smonth_g | smonth_h | smonth_i | smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> |
infinite | <etime> { emonth_a | emonth_b | emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h
| emonth_i | emonth_j | emonth_k | emonth_l } <eday> <eyear> } } | { no send-lifetime [ [ local ] <stime> {
smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f | smonth_g | smonth_h | smonth_i | smonth_j
| smonth_k | smonth_l } <sday> <syear> { duration <dsec> | infinite | <etime> { emonth_a | emonth_b |
emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h | emonth_i | emonth_j | emonth_k |
emonth_l } <eday> <eyear> } ] } }
```

### 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>
smonth_a	
smonth_b	
smonth_c	
smonth_d	
smonth_e	
smonth_f	
smonth_g	
smonth_h	
smonth_i	
smonth_j	
smonth_k	

send-lifetime smonth\_a smonth\_b smonth\_c smonth\_d smonth\_e smonth\_f smonth\_g smonth\_h smonth\_i smonth\_j smonth\_k smonth\_l duration infinite  
 emonth\_a emonth\_b emonth\_c emonth\_d emonth\_e emonth\_f emonth\_g emonth\_h emonth\_i emonth\_j emonth\_k emonth\_l

smonth_l	
emonth_a	
emonth_b	
emonth_c	
emonth_d	
emonth_e	
emonth_f	
emonth_g	
emonth_h	
emonth_i	
emonth_j	
emonth_k	
emonth_l	
<i>sday</i>	Day of the month to start
<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to end
duration	Set key lifetime duration
<i>dsec</i>	Duration in seconds
infinite	Never Expires

### Command Mode

- /exec/configure/keychain-key

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

## send-lifetime smonth\_a smonth\_b smonth\_c smonth\_d smonth\_e smonth\_f smonth\_g smonth\_h smonth\_i smonth\_j smonth\_k smonth\_l duration infinite emonth\_a emonth\_b emonth\_c emonth\_d emonth\_e emonth\_f emonth\_g emonth\_h emonth\_i emonth\_j emonth\_k emonth\_l

```
{ { send-lifetime [ local ] <stime> { smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f |
smonth_g | smonth_h | smonth_i | smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> |
infinite | <etime> { emonth_a | emonth_b | emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h
| emonth_i | emonth_j | emonth_k | emonth_l } <eday> <eyear> } } | { no send-lifetime [ [ local ] <stime> {
smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f | smonth_g | smonth_h | smonth_i | smonth_j
| smonth_k | smonth_l } <sday> <syear> { duration <dsec> | infinite | <etime> { emonth_a | emonth_b |
emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h | emonth_i | emonth_j | emonth_k |
emonth_l } <eday> <eyear> } ] } }
```

### 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>
smonth_a	
smonth_b	
smonth_c	
smonth_d	
smonth_e	
smonth_f	
smonth_g	
smonth_h	
smonth_i	
smonth_j	
smonth_k	

send-lifetime smonth\_a smonth\_b smonth\_c smonth\_d smonth\_e smonth\_f smonth\_g smonth\_h smonth\_i smonth\_j smonth\_k smonth\_l duration infinite  
 emonth\_a emonth\_b emonth\_c emonth\_d emonth\_e emonth\_f emonth\_g emonth\_h emonth\_i emonth\_j emonth\_k emonth\_l

smonth_l	
emonth_a	
emonth_b	
emonth_c	
emonth_d	
emonth_e	
emonth_f	
emonth_g	
emonth_h	
emonth_i	
emonth_j	
emonth_k	
emonth_l	
<i>sday</i>	Day of the month to start
<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to end
duration	Set key lifetime duration
<i>dsec</i>	Duration in seconds
infinite	Never Expires

### Command Mode

- /exec/configure/macseckeychain-key

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

## send-lifetime smonth\_a smonth\_b smonth\_c smonth\_d smonth\_e smonth\_f smonth\_g smonth\_h smonth\_i smonth\_j smonth\_k smonth\_l duration infinite emonth\_a emonth\_b emonth\_c emonth\_d emonth\_e emonth\_f emonth\_g emonth\_h emonth\_i emonth\_j emonth\_k emonth\_l

```
{ { send-lifetime [ local ] <stime> { smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f |
smonth_g | smonth_h | smonth_i | smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> |
infinite | <etime> { emonth_a | emonth_b | emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h
| emonth_i | emonth_j | emonth_k | emonth_l } <eday> <eyear> } } | { no send-lifetime [ [ local ] <stime> {
smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f | smonth_g | smonth_h | smonth_i | smonth_j
| smonth_k | smonth_l } <sday> <syear> { duration <dsec> | infinite | <etime> { emonth_a | emonth_b |
emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h | emonth_i | emonth_j | emonth_k |
emonth_l } <eday> <eyear> } ] } }
```

### Syntax Description

no	Negate a command or set its defaults
send-lifetime	Set send lifetime of tunnel encryption 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>
smonth_a	
smonth_b	
smonth_c	
smonth_d	
smonth_e	
smonth_f	
smonth_g	
smonth_h	
smonth_i	
smonth_j	
smonth_k	

send-lifetime smonth\_a smonth\_b smonth\_c smonth\_d smonth\_e smonth\_f smonth\_g smonth\_h smonth\_i smonth\_j smonth\_k smonth\_l duration infinite  
 emonth\_a emonth\_b emonth\_c emonth\_d emonth\_e emonth\_f emonth\_g emonth\_h emonth\_i emonth\_j emonth\_k emonth\_l

smonth_l	
emonth_a	
emonth_b	
emonth_c	
emonth_d	
emonth_e	
emonth_f	
emonth_g	
emonth_h	
emonth_i	
emonth_j	
emonth_k	
emonth_l	
<i>sday</i>	Day of the month to start
<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to end
duration	Set key lifetime duration
<i>dsec</i>	Duration in seconds
infinite	Never Expires

### Command Mode

- /exec/configure/tunnelencryptkeychain-key

# send

send <line>

## Syntax Description

send	Send message to open sessions
<i>line</i>	Send message (a line) to all open sessions

## Command Mode

- /exec



# send session

send session <s0> <line>

## Syntax Description

send	Send message to open sessions
session	Send message to specific session
<i>s0</i>	Specify pts/tty device type
<i>line</i>	Enter a one line message

## Command Mode

- /exec

# sender

[no] sender

## Syntax Description

no	(Optional) Negate a command or set its defaults
sender	Policies for a Sender

## Command Mode

- /exec/configure/nbm-host-policy

# sender

[no] sender

## Syntax Description

no	(Optional) Negate a command or set its defaults
sender	Policies for a Sender

## Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy

## sensor-group

[no] sensor-group <sgrp-id>

### Syntax Description

no	(Optional) Negate a command or set its defaults
sensor-group	Create a sensor group
<i>sgrp-id</i>	Identifier

### Command Mode

- /exec/configure/telemetry

# sequence

{ [ no ] sequence <seq> | no sequence }

## Syntax Description

sequence	Sequence Number
<i>seq</i>	Differentiated services codepoint value

## Command Mode

- /exec/configure/config-postcard-exporter

# sequence

{ [ no ] sequence <seq> | no sequence }

## Syntax Description

sequence	Sequence Number
<i>seq</i>	Sequence Number value

## Command Mode

- /exec/configure/config-int-exporter

## server-key 0 7

```
{ { [ no ] server-key { 0 <s0> | 7 <s1> | <s2> } } | { no server-key } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
server-key	Encryption key shared with the radius clients
0	RADIUS shared secret(clear text)
<i>s0</i>	RADIUS shared secret(clear text)
7	RADIUS shared secret(encrypted)
<i>s1</i>	RADIUS shared secret(encrypted)
<i>s2</i>	RADIUS shared secret(clear text)(Max Size 63)

### Command Mode

- /exec/configure/locsvr-da-radius

# server

[no] server <hostname>

## 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

[no] server { <hostname> }

## Syntax Description

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

## Command Mode

- /exec/configure/tacacs+

# server

[no] server <host0>

## 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 protocol ldap

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

### 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

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

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-end-point interface

[no] service-end-point interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
interface	Interface through which service is connected
<i>interface</i>	Interface

## Command Mode

- /exec/configure/epbr-sess/svc

# service-end-point interface

[no] service-end-point interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
interface	Interface through which service is connected
<i>interface</i>	Interface

## Command Mode

- /exec/configure/epbr/svc

## service-end-point ip

[no] service-end-point { { ip <ip-addr> } | { ipv6 <ipv6-addr> } } [ interface <interface> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	(Optional) Interface through which service is connected
<i>ip-addr</i>	IPv4 address in format i.i.i.i
<i>interface</i>	(Optional) Interface

### Command Mode

- /exec/configure/epbr/svc



## service-end-point ip

[no] service-end-point { { ip <ip-addr> } | { ipv6 <ipv6-addr> } } [ interface <interface> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	(Optional) Interface through which service is connected
<i>ip-addr</i>	IPv4 address in format i.i.i.i
<i>interface</i>	(Optional) Interface

### Command Mode

- /exec/configure/epbr-sess/svc

# service-interface

[no] service-interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
service-interface	Interface through which all end-points of service are connected
<i>interface</i>	Interface

## Command Mode

- /exec/configure/epbr/svc

# service-list

[no] service-list <sl-name>

## Syntax Description

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

## Command Mode

- /exec/configure/mdns-ctrl-ser-pol

## service-list in

[no] service-list <sl-name> { in | out }

### Syntax Description

no	(Optional) Negate a command or set its defaults
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name
in	Apply Service List in IN Bound Direction
out	Apply Service List in Out Bound Direction

### Command Mode

- /exec/configure/mdns-ser-pol

## service-name

[no] service-name <nxsdk-service-name> [ profile { <nxsdk-profile-name> | <profile-name> } ]

### Syntax Description

service-name	Complete path and name of file to execute
<i>nxsdk-service-name</i>	Service name
profile	(Optional) Service profile
<i>nxsdk-profile-name</i>	(Optional) Name of the profile
<i>profile-name</i>	(Optional) Name of the profile

### Command Mode

- /exec/configure/nxsdk-remote

# service-policy-dynamic input

[no] service-policy-dynamic input <policy\_name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy-dynamic	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-dyn

# service-policy

service-policy <policy-name> | no service-policy <policy-name>

## Syntax Description

no	Negate a command or set its defaults
service-policy	Configure Filter to export
<i>policy-name</i>	filter name

## Command Mode

- /exec/configure/service-export

# service-policy

[no] service-policy <policy-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	mDNS service policy
<i>policy-name</i>	mDNS service policy name

## Command Mode

- /exec/configure/vlan-config/mdns-sd



# service-policy

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

## 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 /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-nve

# service-policy

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

## 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

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

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 qos

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

### 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>

### 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-policy type queuing

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

### 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

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-type

[no] service-type <ser-type>

## Syntax Description

no	(Optional) Negate a command or set its defaults
service-type	Specify Service-Type String
<i>ser-type</i>	Service Type String

## Command Mode

- /exec/configure/mdns-ser-def

# service announcement-count

[no] service announcement-count <count>

## Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
announcement-count	Maximum Advertisements
<i>count</i>	Specify rate limit rate in pps (packets per second)

## Command Mode

- /exec/configure/mdns-sd

## service announcement-timer periodicity

[no] service announcement-timer periodicity <interval>

### Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
announcement-timer	Advertisements announce timer periodicity
periodicity	Specify Periodicity in Seconds
<i>interval</i>	Specify periodicity in Seconds

### Command Mode

- /exec/configure/mdns-sd

# service exclude-bootconfig

{ service exclude-bootconfig | no service exclude-bootconfig }

## Syntax Description

no	Negate a command or set its defaults
service	Configure boot variables
exclude-bootconfig	exclude bootvar config from asciigen

## Command Mode

- /exec/configure

# service password-recovery

[no] service password-recovery

## Syntax Description

no	(Optional) Negate a command or set its defaults
service	Service
password-recovery	Configure password-recovery option of console

## Command Mode

- /exec/configure

## service query-count

[no] service query-count <count>

### Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
query-count	Maximum Queries
<i>count</i>	Specify Announcement Count

### Command Mode

- /exec/configure/mdns-sd

# service query-timer periodicity

[no] service query-timer periodicity <interval>

## Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
query-timer	Query Forward timer periodicity
periodicity	Specify Periodicity in Seconds
<i>interval</i>	Specify periodicity in Seconds

## Command Mode

- /exec/configure/mdns-sd

# service unsupported-transceiver

[no] service unsupported-transceiver

## 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

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

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

## Command Mode

- /exec

## session protection

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

### 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

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-af-ipv6

# set-overload-bit

```
{ no set-overload-bit | [ no ] set-overload-bit { always | on-startup { <secs> | <seconds> } } }
```

## Syntax 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
<i>seconds</i>	Clear the overload bit after an elapsed time in seconds

## Command Mode

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

## 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

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

```
[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> } }
```

## 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
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 { { cos [ inner ] <cos-val> } | { dscp [ tunnel ] { <dscp-val> | <opt_set_dscp> } } | { precedence [
tunnel1 ] { <prec-val> | <opt_set_prec> } } }
```

## 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

set <paramname> <paramval>

## Syntax Description

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

## Command Mode

- /exec/configure/param-inst

# set

```
[no] set { { dlb-disable } | { precedence [ prec-tunnel ] { <prec-val> | <prec-enum> } } | { dscp { { <dscp-val> | <dscp-enum> } | { tunnel { <dscp-tunnel-val> | <dscp-tunnel-enum> } } } } | { cos <cos-val> } | { qos-group <qos-grp-val> } | { mpls experimental { { topmost <exp-value> } | { imposition <exp-value-imp> } } } }
```

## 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
<i>dscp-val</i>	DSCP value
<i>dscp-enum</i>	
tunnel	Set DSCP in tunnel encapsulation
<i>dscp-tunnel-val</i>	DSCP value
<i>dscp-tunnel-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>	
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

## Command Mode

- /exec/configure/policy-map/class

# set

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

## 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

```
[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

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 as-path-length difference

```
{ set as-path-length difference <value> } | { no set as-path-length difference [ <value> ] }
```

### Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path-length	as-path-length value
difference	Difference in the value allowed in destination routing protocol
<i>value</i>	Difference value

### Command Mode

- /exec/configure/route-map



## set as-path none remote-as local-as

{ set as-path { none | { <asn> | remote-as | local-as } + } } | { no set as-path { none | { <asn> | remote-as | local-as } + } }

### Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path	for a BGP AS-path manipulation attribute
none	Set Empty AS-path
<i>asn</i>	<AA4> where AA4 is either <1-4294967295> or <1-65535>[.<0-65535>] format
remote-as	set aspath with remote-as
local-as	set aspath with local-as

### Command Mode

- /exec/configure/route-map

## 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

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 as-path replace private-as

```
{ set as-path replace [ <asn> + ] { <asn_trail> | private-as } [ with { <r_asn> | remote-as | none } ] } | { no set as-path replace }
```

### 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
replace	Replace the AS-path attribute
<i>asn</i>	(Optional) <AA4>, where AA4 is either <1-4294967295> or <1-65535>[.<0-65535>] format
<i>asn_trail</i>	<AA4>, where AA4 is either <1-4294967295> or <1-65535>[.<0-65535>] format
private-as	Replace private-as range
with	(Optional) replace with remote-as or asn
<i>r_asn</i>	(Optional) AS number
remote-as	(Optional) replace asn with remote-as
none	(Optional) remove the matched asn

### Command Mode

- /exec/configure/route-map

## set comm-list delete

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

### 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 cos

[no] set cos <cos-val>

## 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

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 <halflife> <reuse> <supress> <duration> } | { no set dampening [ <halflife> <reuse> <supress> <duration> ] }
```

## 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>halflife</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

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 esi all

```
{ { set esi { all-zeroes | unchanged } } | { no set esi [ all-zeroes | unchanged ] } }
```

## Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
esi	Ethernet Segment Identifier
all-zeroes	Set ESI to all-zeroes
unchanged	ESI setting will remain unchanged

## Command Mode

- /exec/configure/route-map

## set evpn gateway-ip

set evpn gateway-ip { <addr> | use-nexthop } | no set evpn gateway-ip [ <addr> | use-nexthop ]

### Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
evpn	Set BGP EVPN Routes
gateway-ip	Set gateway IP for type 5 EVPN routes
use-nexthop	Use nexthop address as gateway IP
<i>addr</i>	Gateway IP address

### Command Mode

- /exec/configure/route-map

## set extcomm-list delete

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

### 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

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 color

```
{ set extcommunity color <color-value> [ co-flag <co-flag-value> ] } | { no set extcommunity color [ <color-value> [ co-flag [ <co-flag-value> ] ] ] }
```

### Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
color	Color Extended Community
co-flag	(Optional) Color only (CO) flags bits setting ( default 00 )
<i>color-value</i>	Color Community value
<i>co-flag-value</i>	(Optional) Set the value of the Color-Only bits field in the community

### 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

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 evpn rmac

```
{ set extcommunity evpn rmac <mac-addr> } | { no set extcommunity evpn rmac <mac-addr> }
```

### Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
evpn	EVPN Extended Community
rmac	Router MAC
<i>mac-addr</i>	MAC address

### 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

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 forwarding-address

[no] set forwarding-address

## 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 <src_ip> | dst_ip <dst_ip> } ] +
```

### 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

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

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

**Command Mode**

- /exec/elanms/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

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

<i>vntag_pointer</i>	(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/sel5

## 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

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/elanms/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

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

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

**Command Mode**

- /exec/alamns/sel5

## 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

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

### 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/elanms/se17

# set inner l4

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

## 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/elanms/setl4

# set interface

[no] set interface <iface>

## 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

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 sync-full-info

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

### 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

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

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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

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 default vrf next-hop

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

### 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
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
next-hop	Next hop address
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>addr1</i>	IP address of next hop
load-share	Enables load sharing

### Command Mode

- /exec/configure/route-map

## set ip default vrf next-hop verify-availability

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

### 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
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
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 { <addr1> srte-policy { name <name-value> } }
```

### 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
<i>addr1</i>	IP address of next hop
srte-policy	Set SR-TE Policy details
name	Name of the SR-TE Policy
<i>name-value</i>	Name of the SR-TE Policy

### Command Mode

- /exec/configure/route-map



## set ip next-hop

```
[no] set ip next-hop [ recursive ] { { <addr1>+ [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable

### Command Mode

- /exec/configure/route-map

## set ip next-hop

```
[no] set ip next-hop { <addr1> srte-policy { color <color-value> [ endpoint <endpoint-value> ] } }
```

### 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
<i>addr1</i>	IP address of next hop
srte-policy	Set SR-TE Policy details
color	Color of the SR-TE Policy
endpoint	(Optional) Endpoint of the SR-TE Policy
<i>color-value</i>	Policy Color
<i>endpoint-value</i>	(Optional) IPv4 endpoint address

### Command Mode

- /exec/configure/route-map

# set ip next-hop peer-address

[no] set ip next-hop peer-address

## 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

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

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 { [ <addr1> [ track <object_id> ] ] { { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share ] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [ force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } } }
```

### 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>addr1</i>	(Optional) 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
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable

### Command Mode

- /exec/configure/route-map

# set ip precedence

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

## 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 ip vrf next-hop

```
[no] set ip vrf { <vrf-name> | <vrf-known-name> } next-hop [ recursive ] { { <addr1> + [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
vrf	Use VRF
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable

### Command Mode

- /exec/configure/route-map



## set ip vrf next-hop verify-availability

```
[no] set ip vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { [ <addr1> [ track <object_id> ] ] { { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share ] } } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } } | { [ force-order ] [ drop-on-fail ] [ load-share ] } } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
vrf	Use VRF
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
<i>addr1</i>	(Optional) 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
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable

### Command Mode

- /exec/configure/route-map

## set ipv6 address prefix-list

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

### 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

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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

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 default vrf next-hop

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

### Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
default	Set default next-hop
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
next-hop	Next hop address
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
load-share	Enables load sharing
<i>addr1</i>	

### Command Mode

- /exec/configure/route-map

## set ipv6 default vrf next-hop verify-availability

[no] set ipv6 default vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { <addr> [ track <object\_id> ] } [ load-share ]

### 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
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
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 { <addr1> srte-policy { color <color-value> [ endpoint <endpoint-value> ] } }
```

### 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
srte-policy	Set SR-TE Policy details
color	Color of the SR-TE Policy
endpoint	(Optional) Endpoint of the SR-TE Policy
<i>color-value</i>	Policy Color
<i>endpoint-value</i>	(Optional) IPv4 endpoint address

### Command Mode

- /exec/configure/route-map

## set ipv6 next-hop

[no] set ipv6 next-hop { { <addr> + [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }

### 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	(Optional) Enables load sharing
force-order	(Optional) Enables Next-hop ordering as per cli
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>addr</i>	

### Command Mode

- /exec/configure/route-map



## set ipv6 next-hop

```
[no] set ipv6 next-hop { <addr1> srte-policy { name <name-value> } }
```

### 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
srte-policy	Set SR-TE Policy details
name	Name of the SR-TE Policy
<i>name-value</i>	Name of the SR-TE Policy

### Command Mode

- /exec/configure/route-map

## set ipv6 next-hop peer-address

[no] set ipv6 next-hop peer-address

### 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

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

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 { [ <addr1> [ track <object_id> ] ] { { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share ] } } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [ force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

### 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
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable

### Command Mode

- /exec/configure/route-map

## set ipv6 precedence

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

### 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 ipv6 vrf next-hop

```
[no] set ipv6 vrf { <vrf-name> | <vrf-known-name> } next-hop { { <addr> + [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
vrf	Use VRF
next-hop	Next hop ipv6 address
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
load-share	(Optional) Enables load sharing
force-order	(Optional) Enables Next-hop ordering as per cli
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>addr</i>	

### Command Mode

- /exec/configure/route-map

## set ipv6 vrf next-hop verify-availability

```
[no] set ipv6 vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { [ <addr1> [ track
<object_id> ] ] { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share
] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [
force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
vrf	Use VRF
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
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
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable

### Command Mode

- /exec/configure/route-map



# set label-index

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

## 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 large-community-list delete

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

### Syntax Description

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

### Command Mode

- /exec/configure/route-map

## set large-community none additive

```
{ set large-community { none | { additive | <large-comm-xyyyz> } + } } | { no set large-community [ { none | { additive | <large-comm-xyyyz> } + } ] }
```

### Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
large-community	Set BGP large community attribute
additive	Add to existing large community
none	No large community attribute
<i>large-comm-xyyyz</i>	Large Community number in xx:yy:zz format
<i>large-comm-xyyyz</i>	(Optional) additive

### 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

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 load-share

{ set load-share <value> } | { no set load-share [ <value> ] }

## Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
load-share	Load-share value for destination routing protocol
<i>value</i>	Load-share value

## Command Mode

- /exec/configure/route-map

## set load-share multipath-equal-group

```
{ set load-share multipath-equal-group <value> } | { no set load-share multipath-equal-group [ <value> ] }
```

### Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
load-share	Load-share value for destination routing protocol
multipath-equal-group	Load-share value for Multipath Equal Group
<i>value</i>	Load-share value

### Command Mode

- /exec/configure/route-map

## set load-share multipath-unequal-group

```
{ set load-share multipath-unequal-group <value> } | { no set load-share multipath-unequal-group [ <value> ] }
```

### Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
load-share	Load-share value for destination routing protocol
multipath-unequal-group	Load-share value for Multipath Unequal Group
<i>value</i>	Load-share value

### Command Mode

- /exec/configure/route-map

# set local-preference

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

## 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 maximum-paths

{ set maximum-paths <value> } | { no set maximum-paths [ <value> ] }

## Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
maximum-paths	Maximum path allowed in destination routing protocol
<i>value</i>	Maximum path value

## 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

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 metric difference

{ set metric difference <value> } | { no set metric difference [ <value> ] }

## Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
metric	Set metric for destination routing protocol
difference	Difference in the value allowed in destination routing protocol
<i>value</i>	Difference value

## 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

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

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 igp incomplete

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

### 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

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

**Command Mode**

- /exec/elamns/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

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/se13

## 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

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/elamns/sel3

# set outer l4

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

## 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/elanms/sel3

## set pktrw

```
set pktrw { mcast <mcast> | sup_redir <sure> | 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_tescpy> | hg2_tc <hg2_tc> | hg2_lbid <hg2_lbid> | hg2_opc <hg2_opc> | hg2_dstpid
<hg2_dpид> | hg2_srcpid <hg2_spid> | 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

set	Setup Trigger
pktrw	All packet re-write fields
mcast	mcast
<i>mcast</i>	Mcast
sup_redir	Sup Redirect
<i>sure</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
lat_idx	Lat Index
<i>lat_idx</i>	Lat Index
src_class	Source Class
<i>sclass</i>	Source Class
ol_fb_met	Ol_fb_metric
<i>ol_fb_met</i>	Ol_fb_metric
ol_fb_vpath	Ol_fb_vpath
<i>ol_fb_vpath</i>	Ol_fb_vpath
ol_dre	Ol_dre
<i>ol_dre</i>	Ol_dre
ol_vpath	Ol_vpath
<i>ol_vpath</i>	Ol_vpath
ol_dp	Ol_dp
<i>ol_dp</i>	Ol_dp
ol_sp	Ol_sp
<i>ol_sp</i>	Ol_sp
ol_e	Ol_e
<i>ol_e</i>	Ol_e
ol_dl	Ol_dl
<i>ol_dl</i>	Ol_dl
ol_lb	Ol_lb
<i>ol_lb</i>	Ol_lb
ol_mark	Ol_mark
<i>ol_mark</i>	Ol_mark
ol_udp_sp	Ol_UDP_sp
<i>ol_udp_sp</i>	Ol UDP Source Port
ol_ftag	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
ttn_coi	ttn_coi
<i>ttn_coi</i>	ttn_coi
ttn_cio	ttn_cio
<i>ttn_cio</i>	ttn_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

hg2_tc_sup_copy	High Gig2 Traffic Class SUP Copy
<i>hg2_tcscopy</i>	High Gig2 Traffic Class SUP Copy
hg2_tc	High Gig2 Packet Traffic Class
<i>hg2_tc</i>	High Gig2 Packet Traffic Class
hg2_lbid	High Gig2 Packet Ibid
<i>hg2_lbid</i>	High Gig2 Packet Ibid
hg2_opc	High Gig2 Packet Type
<i>hg2_opc</i>	High Gig2 Packet Type
hg2_dstpid	High Gig2 Destination Port ID
<i>hg2_dpid</i>	High Gig2 Destination Port ID
hg2_dstmod	High Gig2 Destination Module ID
<i>hg2_dmod</i>	High Gig2 Destination Module ID
hg2_srcpid	High Gig2 Source Port ID
<i>hg2_spid</i>	High Gig2 Source Port ID
hg2_srcmod	High Gig2 Souce Module ID
<i>hg2_smod</i>	High Gig2 Souce Module ID
op_inner	Op_inner
<i>op_inner</i>	Op_inner
op_outer	Op_outer
<i>op_outer</i>	Op_outer
op_qtag	Op_qtag
<i>op_qtag</i>	Op_qtag
op_vntag	Op_vntag
<i>op_vntag</i>	Op_vntag
pkt_type	Pkt_type
<i>pkt_type</i>	Pkt_type
drop	Drop
<i>drp</i>	Drop
pkt_tstmp	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/elanms/outsel0

## set service

```
{ { <seq-num> set service <service-name> [ fail-action <action> ] } | no <seq-num> }
```

### Syntax Description

no	Negate a command or set its defaults
<i>seq-num</i>	Sequence number to specify ordering of services in this chain
set	Set service entry in chain
service	EPBR service name
<i>service-name</i>	EPBR service-name
fail-action	(Optional) Action to be taken on failure of this service
<i>action</i>	(Optional) Action on service failure

### Command Mode

- /exec/configure/epbr-policy/action

# set service

```
{ { <seq-num> set service <service-name> [ fail-action <action> ] } | no <seq-num> }
```

## Syntax Description

no	Negate a command or set its defaults
<i>seq-num</i>	Sequence number to specify ordering of services in this chain
set	Set service entry in chain
service	EPBR service name
<i>service-name</i>	EPBR service-name
fail-action	(Optional) Action to be taken on failure of this service
<i>action</i>	(Optional) Action on service failure

## Command Mode

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

## 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 <seglcl> | 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> | lbenas <lbenas> | tdmid
<tdmid> | pktid <pktid> | srcid <srcid> | eoferror <eoferr> | eofbytes <eofby> | eof <eof> | sof <sof> } +
```

### 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

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

[no] set srte-policy { color <color-value> endpoint <endpoint-value> }

### Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
srte-policy	Set SR-TE Policy details
color	Color of the SR-TE Policy
endpoint	Endpoint of the SR-TE Policy
<i>color-value</i>	Policy Color
<i>endpoint-value</i>	IPv4 endpoint address

### Command Mode

- /exec/configure/route-map

## set srte-policy name

[no] set srte-policy { name <name-value> }

### Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
srte-policy	Set SR-TE Policy details
name	Name of the SR-TE Policy
<i>name-value</i>	Name of the SR-TE Policy

### Command Mode

- /exec/configure/route-map

# set tag

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

## 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

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

## Command Mode

- /exec/configure/route-map

# setup

setup

## Syntax Description

setup	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> | <dst-ipv6> } vrf { <vrf-name> | <vrf-known-name> } [ source { <src-ip> | <src-ipv6> } ] ] | [ collector-port <dst-port> ] | [ agent-ip { <agent-ip> | <agent-ipv6> } ] }
```

## Syntax Description

sflow	change sFlow global settings
sampling-rate	(Optional) sFlow Sampling Rate
<i>rate</i>	(Optional)
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 IPv4 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 [ { <dst-ip> | <dst-ipv6> } vrf { <vrf-name> | <vrf-known-name> } ] | collector-port | agent-ip }
```

## 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
<i>dst-ip</i>	(Optional) sFlow Collector IPv4 address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
collector-port	sFlow Collector UDP port
agent-ip	sFlow Agent IP address

## Command Mode

- /exec/configure

## sflow data-source interface

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

### Syntax Description

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 data-source interface

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

### 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 bgp

[no] sflow extended bgp

## Syntax Description

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

## Command Mode

- /exec/configure

# sflow extended switch

[no] sflow extended switch

## 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

# shared-secret

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

## Syntax Description

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

## Command Mode

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

# shut

[no] shut

## Syntax Description

no	(Optional) Negate a command or set its defaults
shut	Shut a monitor session

## Command Mode

- /exec/configure/monitor-common

# shutdown

[no] shutdown

## Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown the GNSS receiver

## Command Mode

- /exec/configure/gnss-if

# shutdown

[no] shutdown

## 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

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

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

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

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

no	(Optional) Negate the command
shutdown	Enable Transient Capture Buffer

## Command Mode

- /exec/configure/pkt-drop

# shutdown

[no] shutdown

## 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

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

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

## Command Mode

- /exec/configure/epbr/svc /exec/configure/epbr/fwd-svc /exec/configure/epbr-sess/svc /exec/configure/epbr-sess/fwd-svc

# shutdown

[no] shutdown

## 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

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown Segment Routing

## Command Mode

- /exec/configure/config-sr-mpls

# shutdown

[no] shutdown

## Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown VLAN switching

## Command Mode

- /exec/configure/vlan

# shutdown

[no] shutdown

## 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

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

# shutdown

[no] shutdown [ force ]

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

# shutdown

[no] shutdown

## Syntax Description

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

## Command Mode

- /exec/configure/if-veth

# shutdown

[no] shutdown

## Syntax Description

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

## Command Mode

- /exec/configure/if-veth

# shutdown

[no] shutdown [ force ]

## 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

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

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

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-san-port-channel

# shutdown

[no] shutdown

## Syntax Description

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

## Command Mode

- /exec/configure/if-vfc /exec/configure/if-vfc-port-channel

# shutdown

[no] shutdown

## 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

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

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

## Command Mode

- /exec/configure/itd-dg-node /exec/configure/itd-dg-node-standby

# shutdown

[no] shutdown

## 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

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

## Command Mode

- /exec/configure/vrrpv3

# shutdown

[no] shutdown

## 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

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

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

## Command Mode

- /exec/configure/vrf

# shutdown

[no] shutdown

## 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

no	(Optional) Negate a command or set its defaults
shutdown	Administratively shutdown this RPKI Cache

## Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

# shutdown

[no] shutdown

## 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

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

shutdown | no shutdown

## 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

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the policies using this color template

## Command Mode

- /exec/configure/sr/te/color

# shutdown

[no] shutdown

## Syntax Description

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

## Command Mode

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

# shutdown

[no] shutdown

## Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the preference of the policy

## Command Mode

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

# shutdown

[no] shutdown

## Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this policy

## Command Mode

- /exec/configure/sr/te/pol

# shutdown

[no] shutdown

## Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown policy specific MPLS liveness detection related configurations

## Command Mode

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

# shutdown

[no] shutdown

## Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the preference of the policy

## Command Mode

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

# shutdown force

[no] shutdown force

## 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

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

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

# signing level

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

## 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

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

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

# sleep

sleep <i0>

## 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

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>

## Syntax Description

slot	Configure a slot
<i>module</i>	the slot number (aka module number)

## Command Mode

- /exec/configure



# slot

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

## 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

## 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

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

### Command Mode

- /exec/configure/email

# snapshot create

snapshot create <snapshot-name> <snapshot-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

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

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

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

snapshot	Create/Delete a snapshot
section	Add/Delete a snapshot section
delete	Delete a snapshot section
<i>name</i>	Name of a section

## Command Mode

- /exec

## snmp-server aaa-user cache-timeout

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

### 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
<i>timeout</i>	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

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
community	set community string and access privs
<i>s0</i>	SNMP community string
group	(Optional) Group to which the community belongs
<i>s1</i>	(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

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 contact

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

### 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

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 counter cache enable

[no] snmp-server counter cache enable

## 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

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 drop unknown

[no] snmp-server drop { unknown-user | unknown-engine-id }

## Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
drop	Silently drop unknown v3 user packets
unknown-user	unknown v3 user
unknown-engine-id	unknown v3 engine id

## Command Mode

- /exec/configure

## snmp-server enable traps

[no] snmp-server enable traps [ <trap\_arg> [ <trap\_sub\_category> + ] ]

### 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

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

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
<i>subsystem</i>	(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

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

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

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

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

### Command Mode

- /exec/configure

## snmp-server enable traps ospf lsa

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

### 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

no	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
rate-limit	Trap rate limit values
<i>window</i>	(Optional) Rate limit window size in seconds
<i>rate</i>	(Optional) Max number of traps sent in window time
<i>tag</i>	(Optional)

### Command Mode

- /exec/configure



## snmp-server enable traps ospfv3

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

### 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
<i>tag</i>	(Optional) Process tag

### Command Mode

- /exec/configure

## snmp-server enable traps ospfv3 lsa

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

### 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
<i>tag</i>	Process tag
lsa	Enable SNMP OSPFv3 LSA traps

### Command Mode

- /exec/configure

## snmp-server enable traps ospfv3 lsa

[no] snmp-server enable traps ospfv3 lsa

### 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
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

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

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

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 globalEnforcePriv

[no] snmp-server globalEnforcePriv

## 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 filter-vrf

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

### 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

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

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 local use-vrf

[no] snmp-server local use-vrf <vrf\_name>

### Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
local	Local SNMP access for the third-party applications running on Kernel
use-vrf	User defined VRF
<i>vrf_name</i>	Name of the VRF in which the third-party applications access local SNMP

### Command Mode

- /exec/configure

# snmp-server location

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

## 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

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 protocol enable

[no] snmp-server protocol enable

## 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

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

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

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

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 <s0> { enforcePriv | { [ <s1> ] { [ auth { md5 | sha | sha-224 | sha-256 | sha-384 |
sha-512 } <s2> { { priv [ des | aes-128 ] { <s3> [ { localizedkey | localizedV2key } ] [ { auto | engineID <s4>
} ] } } | { [ { localizedkey1 | localizedV2key1 } ] [ { auto1 | engineID1 <s5> } ] } } | [ pwd_type 6 auth {
md5 | sha | sha-224 | sha-256 | sha-384 | sha-512 } <s2> { { priv [ des | aes-128 ] { <s3> [ localizedV2key ]
[ { auto | engineID <s4> } ] } } | [ localizedV2key1 ] [ { auto1 | engineID1 <s5> } ] } } } } }
```

### 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)
pwd_type	(Optional) Type of encryption to be used for the password provided
6	(Optional) Type-6 encryption for password
auth	(Optional) authentication parameters for the user
md5	(Optional) Use HMAC MD5 algorithm for authentication
sha	(Optional) Use HMAC SHA-1 algorithm for authentication
sha-224	(Optional) Use HMAC SHA-224 algorithm for authentication
sha-256	(Optional) Use HMAC SHA-256 algorithm for authentication
sha-384	(Optional) Use HMAC SHA-384 algorithm for authentication
sha-512	(Optional) Use HMAC SHA-512 algorithm for authentication
<i>s2</i>	(Optional) authentication password for user (Max length 127 for plain-text and 256 for localized/localizedV2 key)
priv	(Optional) encryption parameters for the user
des	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
aes-128	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>s3</i>	(Optional) privacy password for user (Max length 127 for plain-text and 256 for localized/localizedV2 key)
localizedkey	(Optional) specifies whether the passwords are in localized key format
localizedV2key	(Optional) specifies whether the passwords are in encrypted format

auto	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
engineID	(Optional) engineID for configuring notif target user (for V3 informs)
s4	(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
localizedV2key1	(Optional) specifies whether the passwords are in encrypted key format
auto1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
engineID1	(Optional) engineID for configuring notif target user (for V3 informs)
s5	(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-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

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 ifmib ifalias long

[no] snmp ifmib ifalias long

## 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

[no] snmp trap link-status

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

# snmp trap link-status

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

## 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

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

# snmp trap link-status

snmp trap link-status

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

# snmp trap link-status

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

## 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

# snr threshold

[no] snr threshold <thres>

## Syntax Description

no	(Optional) Negate a command or set its defaults
snr	SNR threshold configuration
threshold	SNR threshold configuration
<i>thres</i>	SNR threshold value, in dB-Hz

## Command Mode

- /exec/configure/gnss-if

## snsr-grp sample-interval

snsr-grp <sn-grp-id> sample-interval { 0 | <cadence> } | no snsr-grp <sn-grp-id>

### Syntax Description

no	Negate a command or set its defaults
snsr-grp	Associated sensor group
sample-interval	Cadence Time in milliseconds(0 for events)
0	0 for events
<i>sn-grp-id</i>	Identifier
<i>cadence</i>	Cadence Time in milliseconds

### Command Mode

- /exec/configure/telemetry/subscription

## sockets local-port-range

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

### Syntax Description

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

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-ipv4-label  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-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-ipv4-mdt

# sort

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

## 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-address ipv4

[no] source-address ipv4 [ <ip-address> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
source-address	Configure the source address to be used for PCE connection
ipv4	Configure v4 source address for PCC
<i>ip-address</i>	(Optional) Source address

## Command Mode

- /exec/configure/sr/te/pcc

## source-address ipv6

[no] source-address { ipv6-addr }

### Syntax Description

no	(Optional) Negate a command or set its defaults
source-address	Configure the source address for packets encapsulated in SRv6

### Command Mode

- /exec/configure/sr/srv6/encapsulation

# source-interface

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

## Syntax Description

no	Negate a command or set its defaults
source-interface	Source address
<i>interface</i>	Source interface for static tunnel routes

## Command Mode

- /exec/configure/tunnel-profile

# source-interface

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

## Syntax Description

no	Negate a command or set its defaults
source-interface	Configure Source interface to export services
<i>interface</i>	Source interface

## Command Mode

- /exec/configure/service-export

# source-interface

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

## Syntax Description

no	Negate a command or set its defaults
source-interface	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 <src-intf> | no source-interface

## Syntax Description

no	Negate a command or set its defaults
source-interface	Select source interface
<i>src-intf</i>	Specify interface

## Command Mode

- /exec/configure/callhome

# source-interface

[no] source-interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	NVE source interface associated with the module
<i>interface</i>	

## Command Mode

- /exec/configure/nve-encap

# source-interface

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

## Syntax Description

no	Negate a command or set its defaults
source-interface	NVE Source-Interface
<i>interface</i>	
anycast	(Optional) Specify Anycast loopback interface
<i>anycast-intf</i>	(Optional)

## Command Mode

- /exec/configure/if-nve



# source-interface

source-interface <interface> | no source-interface

## Syntax Description

no	Negate a command or set its defaults
source-interface	Source interface
<i>interface</i>	Interface name

## Command Mode

- /exec/configure/telemetry/destination-profile

# source-interface

[no] source-interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	Configure source interface to reach http server
<i>interface</i>	Interface

## Command Mode

- /exec/configure/trustpool

# source-interface

[no] source-interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	PLB probe Source-Interface
<i>interface</i>	source interface for probe

## Command Mode

- /exec/configure/itd

# source-interface

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

## Syntax Description

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

## Command Mode

- /exec/configure/radius

## source-interface hold-down-time

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

### 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 { <ipaddr> | ipv6 <ipv6addr> }

### Syntax Description

source	Source configuration
<i>ipaddr</i>	IP Address to be configured
ipv6	IPv6

### Command Mode

- /exec/configure/config-ssx-exporter

# source

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

## Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

## Command Mode

- /exec/configure/config-int-exporter

## source

```
{ [ no ] source { <ipaddr> | <ipv6addr> } }
```

### Syntax Description

source	Specify details
<i>ipaddr</i>	Source IP address for collector

### Command Mode

- /exec/configure/config-fte-exporter



# source

{ source <intf> } | { no source }

## Syntax Description

no	Negate a command or set its defaults
source	specify source interface - needed for modular chassis
<i>intf</i>	Ingress interface for payload traffic

## Command Mode

- /exec/configure/configngoamprofileflow

# source

{ source { <numeric1> | <numeric2> } | no source }

## Syntax Description

no	Negate a command or set its defaults
source	Source
<i>numeric1</i>	IP

## Command Mode

- /exec/configure/configngoamconnectcheck

# source

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

## Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

## Command Mode

- /exec/configure/nfm-exporter

# source

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

## Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

## Command Mode

- /exec/configure/analytics/exporter

## source

```
[no] source { { unicast-queue interface <if_list> qos-group <qos-grp> } | { { ingress | egress } { interface <if_list> } } }
```

### Syntax Description

no	(Optional) Negate the command
source	Configure Packet Drop Scope
unicast-queue	Specify Capture scope as queue basis
interface	Specify interface associated to particular Queue
<i>if_list</i>	List of interfaces
qos-group	Specify the Qos-grp to be associated
<i>qos-grp</i>	Value 0-7
ingress	Specify Capture scope as Ingress
egress	Specify Capture scope as Egress
interface	Configure the Entity Interface
<i>if_list</i>	List of interfaces

### Command Mode

- /exec/configure/pkt-drop

## source

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

### Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

### Command Mode

- /exec/configure/nfm-exporter

# source

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

## 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'
<i>file</i>	the script file to run
<i>args</i>	(Optional) argument to be passed to script

## Command Mode

- /exec

## source

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

### Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

### Command Mode

- /exec/configure/config-postcard-exporter



## source copy-sys

source copy-sys

### 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 forward-drops

[no] source forward-drops <src\_dir> [ priority-low ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
forward-drops	Forwarding drops
priority-low	(Optional) Drop span session is low priority relative to span acl and vlan sessions
<i>src_dir</i>	Source direction

## Command Mode

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

# source group permit

```
{ <seq> source <sourceip> group <range> { permit | deny } } | { no <seq> [ source <sourceip> group <range>
{ permit | deny } ] }
```

## Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
source	Source IP Address
<i>sourceip</i>	Source IP Address value
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

## Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy/pim

## source group permit

```
{ <seq> source <sourceip> group <range> { permit | deny } } | { no <seq> [ source <sourceip> group <range>
{ permit | deny } ] }
```

### Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
source	Source IP Address
<i>sourceip</i>	Source IP Address value
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

### Command Mode

- /exec/configure/nbm-host-policy/pim

## source interface

[no] source { interface <interface\_range> } [ <src\_dir> ] [ allow-pfc ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
interface	Configure interfaces
<i>interface_range</i>	
<i>src_dir</i>	(Optional) Source direction
allow-pfc	(Optional) Enable SPAN on PFC frames

### Command Mode

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

## source interface

[no] source interface <interface\_range> [ <src\_dir> ] [ allow-pfc ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
interface	Configure interfaces
<i>interface_range</i>	
<i>src_dir</i>	(Optional) Source direction
allow-pfc	(Optional) Enable SPAN on PFC frames

### Command Mode

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

# source interface

[no] source { interface <interface> } [ <src\_dir> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
interface	Configure interfaces
<i>interface</i>	
<i>src_dir</i>	(Optional) Source direction

## Command Mode

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

# source ip

[no] source ip <ipaddress>

## Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source IP address configuration
ip	Configure source IP address
<i>ipaddress</i>	

## Command Mode

- /exec/configure/config-monitor-erspan-dst



# source ipv4

```
{ [ no ] source ipv4 <ipaddr> }
```

## Syntax Description

source	Source configuration
ipv4	IP v4 address
<i>ipaddr</i>	IP Address to be configured

## Command Mode

- /exec/configure/config-int-clone-md-sink-collector

# source ipv6

[no] source ipv6 <ipv6-address>

## Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source IP address configuration
ipv6	Configure source IPv6 address

## Command Mode

- /exec/configure/config-monitor-erspan-dst

## source port

[no] source port <portnumber>

### Syntax Description

source	Specify the source port
port	Specify the source port
<i>portnumber</i>	Source port number

### Command Mode

- /exec/configure/nfm-profile

## source port

[no] source port <portnumber>

### Syntax Description

source	Specify the source port
port	Specify the source port
<i>portnumber</i>	Source port number

### Command Mode

- /exec/configure/analytics/profile

## source vlan

[no] source vlan <vlan\_range> [ <src\_dir> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
vlan	Vlan type
<i>vlan_range</i>	
<i>src_dir</i>	(Optional) Source direction

### Command Mode

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

## source vlan

[no] source vlan <vlan-range>

### Syntax Description

no	(Optional) Negate a command or set its defaults
source	source for ITD L2 traffic
vlan	source vlan
<i>vlan-range</i>	range of vlans

### Command Mode

- /exec/configure/itd

## source vsan

[no] source vsan <vsan\_range> [ <src\_dir\_rx> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
vsan	Vsan type
<i>vsan_range</i>	
<i>src_dir_rx</i>	(Optional) Source direction

### Command Mode

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

# spanning-tree bpdudfilter

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

## 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

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

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

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

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>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
<i>port-cost</i>	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

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

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

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

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

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

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

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

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

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

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

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

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

## 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

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

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

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

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

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

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

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

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

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

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
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

## spanning-tree mst simulate pvst

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

### 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

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

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

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

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

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 bdpu 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

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) bpdu guard on this switch
default	Enable bpdu guard 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

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

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

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 pseudo-information

spanning-tree pseudo-information

## 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

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

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

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

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

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
priority	Set the bridge priority for the spanning tree
<i>prio</i>	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

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

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

# speed

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

## 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 /exec/configure/if-ethernet-p2p

# speed

[no] speed <i0>

## Syntax Description

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

## Command Mode

- /exec/configure/com1

# speed

[no] speed <i0>

## Syntax Description

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

## Command Mode

- /exec/configure/console

# speed

speed { <speed\_val> }

## 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-ethernet-p2p



# speed

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

## Syntax Description

speed	Enter the port speed
<i>speed_val</i>	Interface port speed

## Command Mode

- /exec/configure/if-port-channel

# speed

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

## 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 /exec/configure/if-ethernet-p2p

# speed

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

## 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

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 auto

speed auto

## 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 /exec/configure/if-ethernet-p2p

# speed auto 100

speed auto 100

## Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed

## Command Mode

- /exec/configure/if-mgmt-ether

## speed auto 100 1000

speed auto 100 1000

### Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed
1000	1000 Mbps speed

### Command Mode

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

# speed auto 100 1000 2500 5000

speed auto 100 1000 2500 5000

## Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed
1000	1000 Mbps speed
2500	2500 Mbps speed
5000	5000 Mbps speed

## Command Mode

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



# speed auto 100 1000

speed auto 100 1000

## 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

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 /exec/configure/if-ethernet-p2p

# speed auto 2500 5000 10000

speed auto 2500 5000 10000

## Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
2500	2500 Mbps speed
5000	5000 Mbps speed
10000	10000 Mbps speed

## Command Mode

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

# speed auto

speed auto

## 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

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

no	Negate a command or set its defaults
spf-interval	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-interval

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

## 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/l2mp-isis/l2mp-isis-vrf-common

# spf hold

```
{ spf { hold-time <i0> | static } | no spf { hold-time [ <i0> ] | static } }
```

## Syntax Description

no	Negate a command or set its defaults
spf	Configure parameters related to SPF route computation
hold-time	Configure the hold time between route computations
<i>i0</i>	hold time (in msec)
static	Force static spf computation

## Command Mode

- /exec/configure/(fspf-config)



# split-horizon per-site

split-horizon per-site | no split-horizon per-site

## Syntax Description

no	Negate a command or set its defaults
split-horizon	Split horizon
per-site	For anycast border gateways within the same site

## Command Mode

- /exec/configure/config-evpn-msite-bgw

# sport

{ sport <sva> } | { no sport }

## Syntax Description

no	Negate a command or set its defaults
sport	Configure ngoam Udp source port range
<i>sva</i>	Udp source port range, max span 1024, Example: 2000-3000,400,500

## Command Mode

- /exec/configure/configngoamprofile

# sport

{ sport <sval> | no sport }

## Syntax Description

no	Negate a command or set its defaults
sport	Outer UDP source port
<i>sval</i>	Source port

## Command Mode

- /exec/configure/configngoamconnectcheck

# src-intf

```
{ src-intf <src_if> }
```

## Syntax Description

src-intf	Interface on which the host with src ip of the payload is connected
<i>src_if</i>	Interface

## Command Mode

- /exec/configure/configngoamccpayload

# srv6

[no] srv6

## Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure SRv6 (SR in IPv6) related configurations

## Command Mode

- /exec/configure/config-sr

# srv6

[no] srv6

## Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure Traffic Engineering Segment Routing V6 related configurations

## Command Mode

- /exec/configure/sr/te/sr

# 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

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

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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
intf	(Optional)

## Command Mode

- /exec



# ssh all

[no] ssh { kexalgos | ciphers | macs | keytypes } all

## Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
kexalgos	key exchange methods that are used to generate per-connection keys
ciphers	ciphers to encrypt the connection
macs	message authentication codes used to detect traffic modification
keytypes	public key algorithms that the server can use to authenticate itself to the client
all	enable algorithms supported in current version of SSH

## Command Mode

- /exec/configure/

# ssh cipher-mode weak

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

## 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 ciphers aes256-gcm

[no] ssh ciphers aes256-gcm

### Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
ciphers	ciphers to encrypt the connection
aes256-gcm	enable aes256-gcm

### Command Mode

- /exec/configure/

# ssh idle

```
{ ssh { idle-timeout <i0> } [ keepalive-count <i1> ] | no ssh idle-timeout }
```

## Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
idle-timeout	SSH Client session idle timeout value
<i>i0</i>	Idle timeout value in seconds, 0 to disable, default is 0
keepalive-count	(Optional) Maximum count of SSH Keepalive packets to be sent to the ssh client
<i>il</i>	(Optional) Count of SSH Keepalive packets sent to client, default is 0

## Command Mode

- /exec/configure/

# ssh kexalgos ecdh-sha2-nistp384

[no] ssh kexalgos ecdh-sha2-nistp384

## Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
kexalgos	key exchange methods that are used to generate per-connection keys
ecdh-sha2-nistp384	enable ecdh-sha2-nistp384

## Command Mode

- /exec/configure/

# ssh key

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

## 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>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
force	(Optional) Force the generation of keys even if previous ones are present
ecdsa	Generate ECDSA keys
<i>i0</i>	Enter key size in bits (256, 384 or 521)
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

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 login-gracetime

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

## Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
login-gracetime	Set login gracetime for ssh connection
<i>d0</i>	Specify grace time in seconds

## Command Mode

- /exec/configure/



# ssh port

{ ssh port { <port\_number> } | no ssh port }

## Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
port	Set port number for ssh
<i>port_number</i>	Specify port number

## Command Mode

- /exec/configure/

## ssh rekey max-data max-time

[no] ssh rekey max-data <data> max-time <time>

### Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
rekey	Renegotiate ssh key
max-data	data units are Kilo(K), Mega(M) and Giga(G)
<i>data</i>	Max data transmitted before key renegotiation
max-time	time units are Seconds(S), Minutes(M) and Hours(H)
<i>time</i>	Max time lapsed before key renegotiation

### Command Mode

- /exec/configure/

# ssm disable

[no] ssm disable

## Syntax Description

no	(Optional) Negate a command or set its defaults
ssm	SSM configuration
disable	Disable sending of SSMs

## Command Mode

- /exec/configure/if-eth-base/fsync

# ssm disable

[no] ssm disable

## Syntax Description

no	(Optional) Negate a command or set its defaults
ssm	SSM configuration
disable	Disable sending of SSMs

## Command Mode

- /exec/configure/clock-if/fsync

# ssm disable

[no] ssm disable

## Syntax Description

no	(Optional) Negate a command or set its defaults
ssm	SSM configuration
disable	Disable sending of SSMs

## Command Mode

- /exec/configure/gnss-if/fsync

## ssx exporter

[no] ssx exporter <exportername>

### Syntax Description

ssx	change ssx settings
exporter	ssx Exporter to be configured
<i>exportername</i>	ssx Exporter to be configured

### Command Mode

- /exec/configure/config-ssx

# ssx monitor

[no] ssx monitor <monitorname>

## Syntax Description

ssx	change ssx settings
monitor	ssx Monitor to be configured
<i>monitorname</i>	ssx Monitor to be configured

## Command Mode

- /exec/configure/config-ssx

# ssx record

[no] ssx record <recordname>

## Syntax Description

ssx	change ssx settings
record	ssx Record to be configured
<i>recordname</i>	ssx Record to be configured

## Command Mode

- /exec/configure/config-ssx



# ssx system monitor

[no] ssx system monitor <monitorname>

## Syntax Description

ssx	change ssx settings
system	global config
monitor	ssx Monitor to be applied
<i>monitorname</i>	ssx Monitor to be applied

## Command Mode

- /exec/configure/config-ssx

## ssx system system-id

[no] ssx system system-id <systemid>

### Syntax Description

ssx	change ssx settings
system	global config
system-id	ssx system-id to be applied
<i>systemid</i>	ssx system-id to be applied, default 0

### Command Mode

- /exec/configure/config-ssx

# stage-flow

[no] stage-flow

## Syntax Description

no	(Optional) Negate a command or set its defaults
stage-flow	Create flow on the switch without valid egress interface

## Command Mode

- /exec/configure/nbm-vrf/nbm-flow-def

# stage-flow

[no] stage-flow

## Syntax Description

no	(Optional) Negate a command or set its defaults
stage-flow	Create flow on the switch without valid egress interface

## Command Mode

- /exec/configure/nbm-flow-def

# standby

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

## 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

# start-threshold

[no] start-threshold <start-threshold-rate>

## Syntax Description

no	(Optional) Negate the command
start-threshold	Configure Start-threshold parameters in bytes
<i>start-threshold-rate</i>	Specify start threshold-rate

## Command Mode

- /exec/configure/pkt-drop/profile

# start

start

## Syntax Description

start	Start Trigger
-------	---------------

## Command Mode

- /exec/elamns/outsel0

# start

start

## Syntax Description

start	Start Trigger
-------	---------------

## Command Mode

- /exec/elamns/se13



# start

start

## Syntax Description

start	Start Trigger
-------	---------------

## Command Mode

- /exec/elamns/sel4

# start

start

## Syntax Description

start	Start Trigger
-------	---------------

## Command Mode

- /exec/elamns/se15

# start

start

## Syntax Description

start	Start Trigger
-------	---------------

## Command Mode

- /exec/elamns/sel6

# start

start

## Syntax Description

start	Start Trigger
-------	---------------

## Command Mode

- /exec/elamns/sel7

# start

start

## Syntax Description

start	Start Trigger
-------	---------------

## Command Mode

- /exec/elamns/outsel5

# state

state <vstate> | no state

## Syntax Description

no	Negate a command or set its defaults
state	Operational state of the VLAN
<i>vstate</i>	

## Command Mode

- /exec/configure/vlan

# state enabled

[no] state enabled

## 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

# statistics

[no] statistics

## Syntax Description

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

## Command Mode

- /exec/configure/ipv6acl



# statistics

[no] statistics

## Syntax Description

no	(Optional) Negate a command or set its defaults
statistics	epbr statistics

## Command Mode

- /exec/configure/epbr-policy

# statistics

[no] statistics

## Syntax Description

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

## Command Mode

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

# statistics

[no] statistics

## Syntax Description

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

## Command Mode

- /exec/configure/macac1

# statistics per-entry

[no] statistics per-entry

## Syntax Description

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

## Command Mode

- /exec/configure/ipv6acl

## statistics per-entry

[no] statistics per-entry

### Syntax Description

no	(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

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

### Command Mode

- /exec/configure/mplsac1

## statistics per-entry

[no] statistics per-entry

### Syntax Description

no	(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

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

status	Status of Trigger
--------	-------------------

## Command Mode

- /exec/elamns/sel4

# status

status

## Syntax Description

status	Status of Trigger
--------	-------------------

## Command Mode

- /exec/elamns/se13

# status

status

## Syntax Description

status	Status of Trigger
--------	-------------------

## Command Mode

- /exec/elanms/sel5

# status

status

## Syntax Description

status	Status of Trigger
--------	-------------------

## Command Mode

- /exec/elamns/sel6

# status

status

## Syntax Description

status	Status of Trigger
--------	-------------------

## Command Mode

- /exec/elamns/sel7

# status

status

## Syntax Description

status	Status of Trigger
--------	-------------------

## Command Mode

- /exec/elanms/outse0

# status

status

## Syntax Description

status	Status of Trigger
--------	-------------------

## Command Mode

- /exec/elamns/outsel5

# stop-threshold

[no] stop-threshold <stop-threshold-rate>

## Syntax Description

no	(Optional) Negate the command
stop-threshold	Configure Stop-threshold parameters in bytes
<i>stop-threshold-rate</i>	

## Command Mode

- /exec/configure/pkt-drop/profile



# stopbits

[no] stopbits <stopbits-value>

## Syntax Description

no	(Optional) Negate a command or set its defaults
stopbits	Set async line stopbits
<i>stopbits-value</i>	async line stopbits value

## Command Mode

- /exec/configure/console

# stopbits 1

[no] stopbits { 1 | 2 }

## 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

## storm-contrl multi

```
storm-contrl multi { { broadcast { blevel1 <level1> blevel2 <level2> } | multicast { mlevel1 <level1> mlevel2
<level2> } | unicast { ulevel1 <level1> ulevel2 <level2> } } | { action1 { shutdown1 | trap1 } action2 {
shutdown2 | trap2 } } } | no storm-contrl multi { { broadcast { blevel1 [ <level1> ] blevel2 [ <level2> ] } |
multicast { mlevel1 [ <level1> ] mlevel2 [ <level2> ] } | unicast { ulevel1 [ <level1> ] ulevel2 [ <level2> ] }
} | { action1 { shutdown1 | trap1 } action2 { shutdown2 | trap2 } } }
```

### Syntax Description

no	Negate a command or set its defaults
storm-contrl	Configure Interface storm control
multi	Configure Interface storm control mutli
broadcast	Broadcast address storm control multi
multicast	Multicast address storm control mutli
unicast	Unicast address storm control multi
blevel1	Set allowed broadcast traffic level1 on this interface
mlevel1	Set allowed multicast traffic level1 on this interface
ulevel1	Set allowed unicast traffic level1 on this interface
blevel2	Set allowed broadcast traffic level2 on this interface
mlevel2	Set allowed multicast traffic level2 on this interface
ulevel2	Set allowed unicast traffic level2 on this interface
<i>level1</i>	Enter the storm suppression level1
<i>level2</i>	Enter the storm suppression level2
action1	Action1 on storm control
action2	Action2 on storm control
shutdown1	Shutdown (Err-Disable) port
trap1	Generate SNMP trap
shutdown2	Shutdown (Err-Disable) port
trap2	Generate SNMP trap

### Command Mode

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

## storm-control-cpu

storm-control-cpu { arp rate <pps> | all <pps2> } | no storm-control-cpu { arp | all }

### 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
all	Set allowed rate for all traffic types
<i>pps2</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 | port plevel } { pps <pps_val> | <level>
} } | action { shutdown | trap } } | no storm-control { { { broadcast blevel | multicast mlevel | unicast ulevel |
port plevel } { pps [ <pps_val> ] | [ <level> ] } } | action [ shutdown | trap ] }
```

## 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
port	Port level 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
plevel	Set allowed Port traffic level on this interface
<i>level</i>	Enter the storm suppression level
pps	Storm-control level is specified in packets per second
<i>pps_val</i>	Enter the storm suppression level in pps
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-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

# streetaddress

```
{ streetaddress <line> | no streetaddress }
```

## 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

no	Negate a command or set its defaults
eigrp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
stub	Set IP-EIGRP as stubbed router
direct	(Optional) Do advertise connected routes
connected	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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

# subscription

[no] subscription <sub-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
subscription	Create a Subscription
<i>sub-id</i>	Identifier

## Command Mode

- /exec/configure/telemetry



# summary-address

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

## 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

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

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

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 [ disable ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-arp	Enable ARP suppression
disable	(Optional) Override the global ARP suppression config

### Command Mode

- /exec/configure/if-nve/vni

# suppress-fib-pending

[no] suppress-fib-pending

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

# suppress-fib-pending

[no] suppress-fib-pending

## 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-inactive

[ no | default ] suppress-inactive

## 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  
/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



# suppress-inactive

[no] suppress-inactive

## 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-signaling-protocol ldp

[ no | default ] suppress-signaling-protocol ldp

## 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

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

# suppress nd

[no] suppress nd

## Syntax Description

no	(Optional) Negate a command or set its defaults
suppress	Enable Suppression
nd	Enable ND Suppression for ARP suppression enabled VNIs

## Command Mode

- /exec/configure/if-nve

# switch-id

switch-id <asid> | no switch-id

## Syntax Description

no	Negate a command or set its defaults
switch-id	Configure Switch ID
<i>asid</i>	Anycast Switch ID

## Command Mode

- /exec/configure/anycast

# switch-latency

[no] switch-latency

## Syntax Description

switch-latency	Enable switch-latency. Default is end to end latency.
----------------	---

## Command Mode

- /exec/configure/analytics/system

# switch-latency

[no] switch-latency

## Syntax Description

switch-latency	Enable switch-latency. Default is end to end latency.
----------------	---

## Command Mode

- /exec/configure/nfm-system

# switch-priority

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

## 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

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

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-role border-leaf

[no] switch-role border-leaf

## Syntax Description

no	(Optional) Negate a command or set its defaults
switch-role	Switch Role
border-leaf	Border Leaf

## Command Mode

- /exec/configure/nbm-controller

# switchback

switchback

## Syntax Description

switchback	switchback to default vdc
------------	---------------------------

## Command Mode

- /exec

# switching-mode fabric-speed 40g

[no] switching-mode fabric-speed 40g

## 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 fast-to-slow-speed-cut-through

[no] switching-mode fast-to-slow-speed-cut-through

## Syntax Description

no	(Optional) Negate a command or set its defaults
switching-mode	Configure the operating switching-mode of asics
fast-to-slow-speed-cut-through	Operate in fast-to-slow speed cut-through mode

## Command Mode

- /exec/configure

# switching-mode store-forward

[no] switching-mode store-forward

## 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

[no] switchport

## 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

switchport

## 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 access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

## Command Mode

- /exec/configure/if-veth

# switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

## Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch  
/exec/configure/if-remote-ethernet-switch

## switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

### Command Mode

- /exec/configure/if-ethernet-all

# switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

## Command Mode

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

## 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

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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
dummy	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

### Command Mode

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

# switchport backup interface

[no] switchport backup interface <if0> [ \_\_readonly\_\_ <from\_snmp> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
<i>__readonly__</i>	(Optional) Read Only
<i>from_snmp</i>	(Optional) Configuration comes from SNMP

## Command Mode

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

## switchport backup interface

[no] switchport backup interface <if0> [ \_\_readonly\_\_ <from\_snmp> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
__readonly__	(Optional) Read Only
<i>from_snmp</i>	(Optional) Configuration comes from SNMP

### Command Mode

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



# switchport backup interface multicast fast-convergence

[no] switchport backup interface <if0> multicast fast-convergence

## Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
multicast	multicast parameters
fast-convergence	configure fast convergence on backup interface

## Command Mode

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

## switchport backup interface multicast fast-convergence

[no] switchport backup interface <if0> multicast fast-convergence

### Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
multicast	multicast parameters
fast-convergence	configure fast convergence on backup interface

### Command Mode

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

# switchport backup interface preemption delay

{ switchport backup interface <if0> preemption delay <delay\_secs> } | { no switchport backup interface <if0> preemption delay }

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
delay	preemption parameters
<i>preemption</i>	delay
<i>delay_secs</i>	preemption delay in seconds

## Command Mode

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

## switchport backup interface preemption delay

{ switchport backup interface <if0> preemption delay <delay\_secs> } | { no switchport backup interface <if0> preemption delay }

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
delay	preemption parameters
<i>preemption</i>	delay
<i>delay_secs</i>	preemption delay in seconds

### Command Mode

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

# switchport backup interface preemption mode

{ switchport backup interface <if0> preemption mode <preempt\_mode> } | { no switchport backup interface <if0> preemption mode }

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
mode	set the preemption mode
<i>preemption</i>	mode
<i>preempt_mode</i>	preemption mode

## Command Mode

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

## switchport backup interface preemption mode

{ switchport backup interface <if0> preemption mode <preempt\_mode> } | { no switchport backup interface <if0> preemption mode }

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
mode	set the preemption mode
<i>preemption</i>	mode
<i>preempt_mode</i>	preemption mode

### Command Mode

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

# switchport beacon

[no] switchport beacon

## Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
beacon	Disable/enable the beacon for an interface

## Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-legacy-eth

# switchport block unicast

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

## 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 description

switchport description <desc\_line> | no switchport description [ <desc\_line> ]

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
description	Enter description of maximum 254 characters
<i>desc_line</i>	Description of maximum 254 characters

## Command Mode

- /exec/configure/if-iscsi /exec/configure/if-fcip /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-gig-ether /exec/configure/if-fa /exec/configure/if-fv /exec/configure/if-san-port-channel /exec/configure/if-sme /exec/configure/if-ioa /exec/configure/if-gig-ether-sub /exec/configure/if-vfc /exec/configure/if-vfc-port-channel

## switchport dot1q ethertype

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

### 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
<i>any</i>	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

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
<i>any</i>	Any EtherType

### Command Mode

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

# switchport duplex

{ switchport duplex { auto | full | half } | no switchport duplex [ { auto | full | half } ] }

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
duplex	Enter the port duplex mode
auto	auto negotiate duplex mode
full	full duplex mode
half	half duplex mode

## Command Mode

- /exec/configure/if-legacy-eth /exec/configure/if-mgmt-ether

# switchport host

[no] switchport host

## 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-12-non-member /exec/configure/if-ethernet-switch  
/exec/configure/if-ethernet-switch-m /exec/configure/if-ethernet-all

# switchport ignore bit-errors

{ switchport ignore bit-errors | no switchport ignore bit-errors }

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
ignore	Enter parameter to be ignored
bit-errors	ignore bit-errors

## Command Mode

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

# switchport isolated

[no] switchport isolated

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

# switchport mac-address static

[no] switchport mac-address { static-only }

## Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
mac-address	Mac-address related configuration
static-only	Enable restricted access on sub-interfaces and permit only static-mac traffic

## Command Mode

- /exec/configure/if-eth-l2-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

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-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 [ <port\_mode> ]

## 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-san-port-channel

# switchport mode

{ switchport mode { <port\_mode> } | no switchport mode }

## 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

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-veth

# switchport mode

{ switchport mode { <port\_mode> } | no switchport mode }

## 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 [ <port\_mode> ]

## 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-fc /exec/configure/if-bay /exec/configure/if-ext

# switchport mode

switchport mode <port\_mode> | no switchport mode [ <port\_mode> ]

## 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-fcip

# switchport mode

switchport mode <port\_mode> | no switchport mode [ <port\_mode> ]

## 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-vfc /exec/configure/if-vfc-port-channel /exec/configure/if-vfc-veth



# switchport mode fabricpath

[no] switchport mode fabricpath

## 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

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

### 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>pvlan_mode</i>	private vlan mode

### Command Mode

- /exec/configure/if-veth

## switchport mode private-vlan

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

### 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

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-veth

## switchport mode private-vlan trunk

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

### 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 monitor

switchport monitor [ ingress [ learning ] ] | no switchport monitor

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
monitor	Configures an interface as span-destination
ingress	(Optional) Enables the forwarding on incoming packets
learning	(Optional) Enables mac-learning

## Command Mode

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

# switchport mtu

{ switchport mtu <i0> | no switchport mtu [ <i0> ] }

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mtu	Configure mtu for the port
<i>i0</i>	Enter mtu

## Command Mode

- /exec/configure/if-san-port-channel /exec/configure/if-gig-ether-sub /exec/configure/if-legacy-eth



# switchport owner

{ switchport owner { <owner\_str> } | no switchport owner }

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
owner	Specify the owner of an interface
<i>owner_str</i>	Owner of maximum 80 characters

## Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vfc  
/exec/configure/if-vfc-port-channel /exec/configure/if-vfc-veth

# switchport port-security

[no] switchport port-security

## 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-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

## switchport port-security aging time

switchport port-security aging time { 0 | <value> } | no switchport port-security aging time [ [ 0 | <value> ] ]

### Syntax Description

no	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
0	0 disables aging
<i>value</i>	Aging time in minutes. Enter a value between 1 and 1440

### Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

## switchport port-security aging type absolute

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

### 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-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

# switchport port-security mac-address

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

## 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-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

# switchport port-security mac-address sticky

[no] switchport port-security mac-address sticky

## 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-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

# switchport port-security maximum

[no] switchport port-security maximum <value> [ vlan <vlanid> ]

## 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-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

# switchport port-security violation

[no] switchport port-security violation { protect | restrict | shutdown }

## 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-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all



# switchport priority extend cos

{ switchport priority extend { cos <cos-value> | trust } | no switchport priority extend }

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
priority	CoS Priority parameter
extend	Enter priority extend mode
cos	Switch will send CDP packet to instruct phone to mark data traffic with CoS value
<i>cos-value</i>	Trust CoS value to be sent to the IP Phone
trust	Switch will send CDP packet to instruct phone to trust tagged data traffic

## Command Mode

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

## 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

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-veth

# 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

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

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-veth

# switchport private-vlan host-association

{ switchport private-vlan host-association <primary-vlan> <secondary-vlan> } | { no switchport private-vlan host-association }

## 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

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-veth

## 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

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

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-veth



## 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

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

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-veth

## 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

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

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-veth

## switchport private-vlan trunk native vlan

{ switchport private-vlan trunk native vlan <native-vlan> } | { no switchport private-vlan trunk native vlan }

### Syntax 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

# switchport promiscuous-mode off

switchport promiscuous-mode { off | on }

## Syntax Description

switchport	Configure switchport parameters
promiscuous-mode	Configure promiscuous mode for the port
off	Disable promiscuous mode
on	Enable promiscuous mode

## Command Mode

- /exec/configure/if-san-port-channel /exec/configure/if-gig-ether-sub /exec/configure/if-legacy-eth

# switchport speed

{ switchport speed { 10 | 100 | 1000 | auto } | no switchport speed [ { 10 | 100 | 1000 | auto } ] }

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
speed	Enter the port speed
10	10 Mbps speed
100	100 Mbps speed
1000	1000 Mbps speed
auto	auto negotiate speed

## Command Mode

- /exec/configure/if-mgmt-ether

## switchport speed

```
{ switchport speed { 1000 | 2000 | 4000 | 8000 | 10000 | 16000 | 32000 | auto [ max { 20001 | 40001 | 80001
| 160001 | 320001 } ] } | no switchport speed [ { 1000 | 2000 | 4000 | 8000 | 10000 | 16000 | 32000 | auto [
max { 20001 | 40001 | 80001 | 160001 | 320001 } ] } ] }
```

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
speed	Enter the port speed
1000	1000 Mbps speed
2000	2000 Mbps speed
4000	4000 Mbps speed
8000	8000 Mbps speed
10000	10000 Mbps speed
16000	16000 Mbps speed
32000	32000 Mbps speed
auto	auto negotiate speed
max	(Optional) Maximum speed
20001	(Optional) Maximum speed is 2000
40001	(Optional) Maximum speed is 4000
80001	(Optional) Maximum speed is 8000
160001	(Optional) Maximum speed is 16000
320001	(Optional) Maximum speed is 32000

### Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-port-channel /exec/configure/if-san-port-channel



# switchport trunk allow-multi-tag

switchport trunk allow-multi-tag | no switchport trunk allow-multi-tag

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allow-multi-tag	Allows Multiple Q-Tags

## Command Mode

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

## switchport trunk allowed vlan

switchport trunk allowed vlan { <allow-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport trunk allowed vlan

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Set allowed VLAN characteristics when interface is in trunking mode
vlan	Set allowed VLANs when interface is in trunking mode
<i>allow-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
all	all VLANs
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
none	no VLANs
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode

### Command Mode

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

## switchport trunk allowed vlan

switchport trunk allowed vlan { <allow-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport trunk allowed vlan

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Set allowed VLAN characteristics when interface is in trunking mode
vlan	Set allowed VLANs when interface is in trunking mode
<i>allow-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
all	all VLANs
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
none	no VLANs
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode

### Command Mode

- /exec/configure/if-veth

## switchport trunk allowed vsan

```
{ switchport trunk allowed vsan { add <i0> | all | <i1> [ no-warning ] } | no switchport trunk allowed vsan [
{ add <i0> | all | <i1> } ] }
```

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Configure allowed list for interface(s)
vsan	Configure allowed list for interface(s)
add	give VSAN id range to add to allowed vsan list
<i>i0</i>	VSAN id range
all	add all the vsans to allowed vsan list
<i>il</i>	VSAN id range
no-warning	(Optional) Avoid displaying a warning message and user prompt for this command

### Command Mode

- /exec/configure/if-vfc

## switchport trunk allowed vsan

```
{ switchport trunk allowed vsan { add <i0> | all | <i1> [ no-warning ] } | no switchport trunk allowed vsan [
{ add <i0> | all | <i1> } ] }
```

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Configure allowed list for interface(s)
vsan	Configure allowed list for interface(s)
add	give VSAN id range to add to allowed vsan list
<i>i0</i>	VSAN id range
all	add all the vsans to allowed vsan list
<i>i1</i>	VSAN id range
no-warning	(Optional) Avoid displaying a warning message and user prompt for this command

### Command Mode

- /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-fcip /exec/configure/if-svc /exec/configure/if-bay /exec/configure/if-ext

# switchport trunk mode

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

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
mode	Configure trunking mode
<i>trunk_mode</i>	Trunk mode

## Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-port-channel /exec/configure/if-fcip /exec/configure/if-san-port-channel /exec/configure/if-vfc /exec/configure/if-vfc-port-channel /exec/configure/if-vfc-veth

# switchport trunk native vlan

switchport trunk native vlan <vlan-id-native> | no switchport trunk native vlan

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
native	Set trunking native characteristics when interface is in trunking mode
vlan	Set native VLAN when interface is in trunking mode
<i>vlan-id-native</i>	VLAN ID of the native VLAN when this port is in trunking mode

## Command Mode

- /exec/configure/if-veth

# switchport trunk native vlan

switchport trunk native vlan <vlan-id-native> | no switchport trunk native vlan

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
native	Set trunking native characteristics when interface is in trunking mode
vlan	Set native VLAN when interface is in trunking mode
<i>vlan-id-native</i>	VLAN ID of the native VLAN when this port is in trunking mode

## Command Mode

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



## switchport trunk pruning vlan except add remove none all

{ no switchport trunk pruning vlan [ <vlan-ids> ] | switchport trunk pruning vlan <vlan-ids> | switchport trunk pruning vlan except <vlan-ids> | switchport trunk pruning vlan add <vlan-ids> | switchport trunk pruning vlan remove <vlan-ids> | switchport trunk pruning vlan none | switchport trunk pruning vlan all }

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
pruning	Set pruning VLAN characteristics when interface is in trunking mode
vlan	Enter VLANs
add	add VLANs to the current list
remove	remove VLANs from the current list
except	all VLANs except the following
none	no VLANs
all	all VLANs
<i>vlan-ids</i>	(Optional) Enter VLANs

### Command Mode

- /exec/configure/if-switching

# switchport virtual-ethernet-bridge

switchport virtual-ethernet-bridge | no switchport virtual-ethernet-bridge

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
virtual-ethernet-bridge	Enable hair-pin forwarding

## Command Mode

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

# switchport vlan mapping

[no] switchport vlan mapping <vlan-id-orig> [ inner <vlan-id-inner> ] <vlan-id-translated>

## Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
<i>vlan-id-orig</i>	VLAN ID 1-3967
inner	(Optional) inner vlanid
<i>vlan-id-inner</i>	(Optional) Inner VLAN ID
<i>vlan-id-translated</i>	Translated VLAN ID

## Command Mode

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

# switchport vlan mapping all

[no] switchport vlan mapping all

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
all	all VLANs

## Command Mode

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

## switchport vlan mapping all dot1q-tunnel

[no] switchport vlan mapping all dot1q-tunnel <vlan-id-translated>

### Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
all	all VLANs
dot1q-tunnel	selective dot1q-tunnel
<i>vlan-id-translated</i>	Translated VLAN ID

### Command Mode

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

## switchport vlan mapping dot1q-tunnel

[no] switchport vlan mapping <vlan-id-orig2> dot1q-tunnel <vlan-id-translated>

### Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
<i>vlan-id-orig2</i>	VLAN ID 1-4094 or Vlan range(s): 1-5, 10 or 2-5,7-19 for Selective dot1q-tunnel
dot1q-tunnel	selective dot1q-tunnel
<i>vlan-id-translated</i>	Translated VLAN ID

### Command Mode

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

# switchport vlan mapping dot1q-tunnel allowed-vlan

[no] switchport vlan mapping dot1q-tunnel allowed-vlan <vlan-id-list>

## Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
dot1q-tunnel	selective dot1q-tunnel
allowed-vlan	Set allowed VLAN characteristics when interface is in trunking mode
<i>vlan-id-list</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

## Command Mode

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

# switchport vlan mapping enable

[no] switchport vlan mapping enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
enable	enable/disable VLAN translation

## Command Mode

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



# switchport voice vlan

switchport voice vlan { <vlan-id-voice> | dot1p | untagged } | no switchport voice vlan

## Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
voice	Set voice mode characteristics of the interface
vlan	Set VLAN for VoIP traffic
<i>vlan-id-voice</i>	VLAN ID of the VLAN configured for VoIP traffic
dot1p	Switch will send CDP packets to instruct IP phone to send voice traffic in 802.1p frames
untagged	Switch will send CDP packets to instruct IP phone to send voice traffic untagged

## Command Mode

- /exec/configure/if-ethernet-all

## switchport voice vlan

switchport voice vlan { <vlan-id-voice> | dot1p | untagged } | no switchport voice vlan

### Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
voice	Set voice mode characteristics of the interface
vlan	Set VLAN for VoIP traffic
<i>vlan-id-voice</i>	VLAN ID of the VLAN configured for VoIP traffic
dot1p	Switch will send CDP packets to instruct IP phone to send voice traffic in 802.1p frames
untagged	Switch will send CDP packets to instruct IP phone to send voice traffic untagged

### Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

## switchto vdc

```
switchto vdc <e-vdc2> [ force ] [ bypass ] [ __readonly__ <vdc_id> <invalid_vdc_id> <noauth_vdc_id>
<no_first> ]
```

### 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
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<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>
bypass	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

### Command Mode

- /exec/

## SWWN

[no] swwn <wwn0> [ domain <i1> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
swwn	Switch WWN
<i>wwn0</i>	WWN of the Switch
domain	(Optional) Switch Insistent Domain Identifier
<i>i1</i>	(Optional) Domain-id of Switch

### Command Mode

- /exec/configure/fabric-binding

# 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

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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>src-ip</i>	(Optional) IPv4 address (A.B.C.D) of source
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) vrf to be used

## Command Mode

- /exec/configure

# sync duration

[no] sync duration <sec> [ renew-offset <off> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
sync	sync
duration	session duration
renew-offset	(Optional) session duration renewal offset
<i>sec</i>	seconds
<i>off</i>	(Optional) offset

## Command Mode

- /exec/configure/ptp-ucastr-nego-schema

# sync duration range

[no] sync duration range <min> <max>

## Syntax Description

no	(Optional) Negate a command or set its defaults
sync	sync
duration	session duration
range	range of acceptable values
<i>min</i>	minimum in seconds
<i>max</i>	maximum in seconds

## Command Mode

- /exec/configure/ptp-ucast-nego-schema

# sync interval

[no] sync interval <intv>

## Syntax Description

no	(Optional) Negate a command or set its defaults
sync	sync
interval	interval
<i>intv</i>	log seconds

## Command Mode

- /exec/configure/ptp-ucast-nego-schema



# sync interval range

[no] sync interval range <min> <max>

## Syntax Description

no	(Optional) Negate a command or set its defaults
sync	sync
interval	interval
range	range of acceptable values
<i>min</i>	minimum in log seconds
<i>max</i>	maximum in log seconds

## Command Mode

- /exec/configure/ptp-ucast-nego-schema

# system-mac

system-mac <sysmac> | no system-mac

## 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-priority

system-priority <syspri> | no system-priority <syspri>

## 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 { default switchport { shutdown san | mode F | trunk mode1 { auto | off | on } } | delayed-traps {
enable mode2 FX | timer <i0> } }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure default values for switchport attributes
shutdown	Configure admin state
san	SAN
mode	Enter the port mode
F	F system default port mode
trunk	Configure trunking parameters as a default
mode1	Configure trunking mode
auto	Autosense trunking
off	Disable trunking
on	Enable trunking
delayed-traps	Configure system delayed trap values
enable	Configure system delayed trap state
mode2	Configure system delayed trap state
FX	Configure system delayed trap state
timer	Configure system delayed trap timeout value
<i>i0</i>	Configure number of minutes

## Command Mode

- /exec/configure

# system acl-adjacency-sharing

system no acl-adjacency-sharing

## Syntax Description

system	System management commands
no	Negate a command or set its defaults
acl-adjacency-sharing	disable acl adjacency sharing for zoning/fc-nat rules

## Command Mode

- /exec

# system acl-adjacency-sharing

system acl-adjacency-sharing

## Syntax Description

system	System management commands
acl-adjacency-sharing	enable acl adjacency sharing for zoning/ivr/fc-nat rules

## Command Mode

- /exec

# system acl

[no] system acl

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management commands
acl	ACL parameters

## Command Mode

- /exec/configure

# system auto-collect tech-support

system [ no ] auto-collect tech-support [ timeout <time> ]

## 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

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 default interface-vlan autostate

[no] system default interface-vlan autostate

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
interface-vlan	Configure interface-vlan
default	Configure system default values
autostate	Enable or disable autostate for entire system

## 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

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 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

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 reset-dei

[no] system default reset-dei

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Information
default	Default
reset-dei	Reset dei bit

## Command Mode

- /exec/configure

# system default route-map validate-applied

```
{ [ no ] system default route-map validate-applied }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
route-map	Configure route-map parameters
validate-applied	Prevent deletion if route-map is still in use

## Command Mode

- /exec/configure

# system default switchport

{ [ no ] system default switchport }

## 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

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

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 default tx-credit double-queue

[no] system default tx-credit double-queue

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
tx-credit	Configure default values for tx credit queue type
double-queue	Configure tx credit queue as double queue

## Command Mode

- /exec/configure

## system default zone

```
[no] system default zone { default-zone permit | distribute full | gs { read | read-write } | mode enhanced | smart-zone enable }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
zone	Configure default values for zone
default-zone	Configure default values for default-zone
permit	Default-zone permit/deny by default
distribute	Configure default values for zoneset distribute
full	Distribute full/active by default
gs	Configure default zone generic services permission
read	Default zone generic services permission as read
read-write	Default zone generic services permission as read-write
mode	Configure default values for zone-mode
enhanced	Default zone-mode basic/enhanced
smart-zone	Configure default values for smart-zone
enable	Default smart-zone enable/disable

### Command Mode

- /exec/configure

# system dot1q-tunnel transit

```
{ system dot1q-tunnel transit [ vlan <vlan-range> ] } | { [ no ] system dot1q-tunnel transit }
```

## 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
vlan	(Optional) vlan
<i>vlan-range</i>	(Optional) Provider VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

## Command Mode

- /exec/configure

# system fabric-mode full-rate

[no] system fabric-mode full-rate

## 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 fabric core-vlans

{ system fabric core-vlans <id> | no system fabric core-vlans }

## Syntax Description

no	Negate a command or set its defaults
system	System management commands
fabric	Manage fabric dynamic vlan ranges
core-vlans	Configure the dynamic core vlan range
<i>id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

## Command Mode

- /exec/configure

# system fabric dynamic-vlans

{ system fabric dynamic-vlans <id> | no system fabric dynamic-vlans }

## Syntax Description

no	Negate a command or set its defaults
system	System management commands
fabric	Manage fabric dynamic vlan ranges
dynamic-vlans	Configure the dynamic server and core vlan range
<i>id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

## Command Mode

- /exec/configure

## system fast-reload stabilization-timer

```
{ system fast-reload stabilization-timer <time> | no system fast-reload stabilization-timer }
```

### Syntax Description

no	Negate a command or set its defaults
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 no hap-reset

## 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 hap-reset

system hap-reset

## Syntax Description

system	System management commands
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

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 no heartbeat

## Syntax Description

system	System management commands
no	Negate a command or set its defaults
heartbeat	enables heartbeat

## Command Mode

- /exec

# system heartbeat

system heartbeat

## Syntax Description

system	System management commands
heartbeat	enables heartbeat

## Command Mode

- /exec

# system high-multicast-priority

[no] system high-multicast-priority

## 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 cpu-mac log threshold rx tx

```
{ { system inband cpu-mac log threshold { rx <rx_pps> tx <tx_pps> [ throttle <interval> ] } } | { no system inband cpu-mac log threshold } }
```

### Syntax Description

no	Negate a command or set its defaults
system	system information
inband	Inband related information
cpu-mac	CPU-MACs related information
log	Log related information
threshold	Inband threshold
rx	Inband rx threshold
<i>rx_pps</i>	Inband rx pps threshold
tx	Inband tx threshold
<i>tx_pps</i>	Inband tx pps threshold
throttle	(Optional) Inband throttle
<i>interval</i>	(Optional) Inband throttle interval

### Command Mode

- /exec/configure

# system interface shutdown

[no] system interface shutdown [ exclude fex-fabric ]

## 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 jumbomtu

{ system jumbomtu <mtu> | no system jumbomtu [ <mtu> ] }

## 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 login block-for

[no] system login block-for

## 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

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

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

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

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 mld snooping

[no] system mld snooping

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
mld	IPv6 MLD Snooping
snooping	IPv6 MLD Snooping

## Command Mode

- /exec/configure

# system mode maintenance

[no] system mode maintenance [ dont-generate-profile ] [ non-interactive ] | system mode maintenance [ dont-generate-profile | shutdown ] [ non-interactive ]

## 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

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 maint-delay

[no] system mode maintenance maint-delay <delay-value>

### Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
maint-delay	delay to allow protocol reroute before releasing CLI
<i>delay-value</i>	delay value in seconds

### Command Mode

- /exec/configure

# system mode maintenance on-reload reset-reason

[no] system mode maintenance on-reload reset-reason <reason>

## 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

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

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 modifications throttle

[no] system modifications { throttle | permit }

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	Controls what NXSDK is allowed to do to the system
modifications	Actions that change the state of the system
throttle	Throttle all write API calls
permit	Permit all write API calls

## Command Mode

- /exec/configure/nxsdk-profile

# system module failure-action shutdown

[no] system module failure-action shutdown

## 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 module failure-action shutdown multibit-parity

[no] system module failure-action shutdown multibit-parity

## 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
multibit-parity	Shutdown module if two or more bits parity error is detected

## Command Mode

- /exec/configure



# system mrouting

[no] system mrouting [ performance-mode | disable-2nd-update | disable-l2-update ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
mrouting	Layer-3 mrouting
performance-mode	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
disable-2nd-update	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
disable-l2-update	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

## Command Mode

- /exec/configure

# system multicast-priority

{ { no system multicast-priority } | { system multicast-priority <priority-num> } }

## Syntax Description

no	Negate a command or set its defaults
system	System Management Commands
multicast-priority	Set priority to multicast
<i>priority-num</i>	Priority number

## Command Mode

- /exec/configure

# system multicast dcs-check

[no] system multicast dcs-check

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
multicast	IPv4 Multicast
dcs-check	IPv4 Directly Connected Source Check Enable

## Command Mode

- /exec/configure

# system multicast pvlan route-replication

[no] system multicast pvlan route-replication

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
multicast	IPv4 Multicast
pvlan	PVLAN
route-replication	Route replication

## Command Mode

- /exec/configure

# system nve ecmp-reuse

system nve ecmp-reuse | no system nve ecmp-reuse

## 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> [ force ] | no system nve infra-vlans <vlan-range>

### 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)
force	(Optional) Force-set infra-vlans

### Command Mode

- /exec/configure

# system nve ingress-replication round-robin

[no] system nve ingress-replication round-robin

## 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

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-nat-enable

system nve mac-nat-enable | no system nve mac-nat-enable

## 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 nat peer-ip

system nve nat peer-ip <peer-ip> | no system nve nat peer-ip <peer-ip>

### Syntax Description

no	Negate the command or set its defaults
system	System Management Commands
nve	VXLAN interface
nat	Vrf aware nat related config
peer-ip	VXLAN peer IP
<i>peer-ip</i>	Configure the VXLAN peer IP

### Command Mode

- /exec/configure

# system nve policy-install-all

system nve policy-install-all | no system nve policy-install-all

## 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 pic-core

[no] system pic-core

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
pic-core	Manage pic enable/disable

## Command Mode

- /exec/configure

# system poap

system no poap

## Syntax Description

system	System management commands
no	Negate a command or set its defaults
poap	This will set a boot flag, that will allow disabling POAP permanently even when the system starts with no configuration

## Command Mode

- /exec

# system poap

system poap

## Syntax Description

system	System management commands
poap	Re-enable POAP on every write erase+reload

## Command Mode

- /exec

# system private-vlan fex trunk

[no] system private-vlan fex trunk

## 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

system	System management commands
pss	PSS commands
shrink	shrink pss files

## Command Mode

- /exec



# system qos

system qos

## Syntax Description

system	System management commands
qos	QoS parameters

## Command Mode

- /exec/configure

# system routing l3-scale

[no] system routing l3-scale

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
l3-scale	enable l3 route scale

## Command Mode

- /exec/configure

# system routing mode low-latency

[no] system routing mode low-latency

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
mode	FP Lookup Mode
low-latency	Enable Parallel Lookup

## Command Mode

- /exec/configure

# system routing unknown-unicast-flood

[no] system routing unknown-unicast-flood

## 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 routing vrf-aware-nat

[no] system routing vrf-aware-nat

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
vrf-aware-nat	Enable vrf-aware-nat mode

## Command Mode

- /exec/configure

# system security compliance common-criteria

[no] system security compliance common-criteria

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management commands
security	Security Management commands
compliance	Compliant with the mode configured
common-criteria	Enable/Disable common-criteria mode

## Command Mode

- /exec/configure

## system security consent-token shell-access

[no] system security consent-token shell-access [ <timeout> ] [ force ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management commands
security	Security Management commands
consent-token	Configure Consent Token
shell-access	Config Consent Token for shell-access
<i>timeout</i>	(Optional) Timeout value in minutes for shell-session
force	(Optional) Enable consent-token mode forcefully

### Command Mode

- /exec/configure

# system security sudo prompt-password

[no] system security sudo prompt-password

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management commands
security	Security Management commands
sudo	sudoers related commands
prompt-password	Prompt for password when sudo is used

## Command Mode

- /exec/configure



# system server session cmd-timeout

[no] system server session cmd-timeout <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management settings
server	Settings for services
session	Session parameters for connections
cmd-timeout	Maximum allowed time for commands to run
<i>i0</i>	Length of time, in seconds

## Command Mode

- /exec/configure

# system shutdown fan-direction mismatch

system shutdown fan-direction mismatch | no system shutdown fan-direction mismatch

## 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 simulate fan-presence

system simulate fan-presence | no system simulate fan-presence

## Syntax Description

no	Negate a command or set its defaults
system	System management commands
simulate	Simulate Fan Presence
fan-presence	Simulate Fan Presence

## Command Mode

- /exec/configure

# system software allow third-party

[no] system software allow third-party

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
software	Configure RPM/Package
allow	Command to let do
third-party	Allow installation of signed/unsigned third party applications

## Command Mode

- /exec/configure

# system standby manual-boot

system no standby manual-boot

## 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

system	System management commands
standby	System standby management commands
manual-boot	No action taken to force-download standby sup

## Command Mode

- /exec

# system startup-config init

system startup-config init

## Syntax Description

system	System management commands
startup-config	System startup-config commands
init	Initialize the startup-configuration

## Command Mode

- /exec

# system startup-config unlock

system startup-config unlock <i0>

## 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

system	System management commands
statistics	enables sysmgr statistics

## Command Mode

- /exec

# system statistics

system no statistics

## Syntax Description

system	System management commands
no	Negate a command or set its defaults
statistics	disable the sysmgr statistics

## Command Mode

- /exec

# system storm-control multi-threshold

{ system storm-control multi-threshold | no system storm-control multi-threshold }

## Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
storm-control	Configure system storm-control
multi-threshold	Allow multiple storm-control thresholds

## Command Mode

- /exec/configure

# system storm-control priority-policy drop-l3

[no] system storm-control priority-policy drop-l3

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
storm-control	Configure system storm-control
priority-policy	priority policy relative to CoPP
drop-l3	Drop Layer3 control packets

## Command Mode

- /exec/configure

# system switch-mode

```
system switch-mode { <mode> }
```

## 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

system	System management commands
switchover	Switch over to the standby supervisor

## Command Mode

- /exec

# system timeout

```
{ system timeout { congestion-drop { <i0> mode <port_mode> | default mode <port_mode> } | no-credit-drop
{ <i1> mode1 <port_mode1> | default mode1 <port_mode1> } } | no system timeout no-credit-drop mode1
<port_mode1> }
```

## Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
timeout	Configure system timeout values
congestion-drop	Configure system timeout values for congestion drop
<i>i0</i>	Configure number of milliseconds
default	Default timeout value for congestion-drop
mode	Enter the port mode
<i>port_mode</i>	Port mode
no-credit-drop	Configure system timeout values for no credit drop
<i>i1</i>	Configure number of milliseconds
default	Default timeout value for no-credit-drop
mode1	Enter the port mode
<i>port_mode1</i>	Port mode

## Command Mode

- /exec/configure

# system trace

{ system trace <i0> | no system trace [ <i0> ] }

## 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

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 long-name

[no] system vlan long-name

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management commands
vlan	Vlan commands
long-name	Configure 128 character VLAN names

## Command Mode

- /exec/configure

# system vlan nve-overlay id

[no] system vlan nve-overlay id [ <vrangle> ] | system vlan nve-overlay id <vrangle>

## Syntax Description

no	Negate a command or set its defaults
system	System management commands
vlan	Vlan commands
nve-overlay	nve overlay vlan
id	VLAN ID
<i>vrangle</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

## Command Mode

- /exec/configure

# system vlan reserve

[no] system vlan <start-val> reserve

## Syntax Description

no	(Optional) Negate a command or set its defaults
system	system wide configuration
vlan	Vlan commands
<i>start-val</i>	minimum VLANs value for allocation of 128
reserve	reservation

## Command Mode

- /exec/configure

# system vrf-member-change retain-l3-config

[no] system vrf-member-change retain-l3-config

## 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 watchdog

## Syntax Description

system	System management commands
watchdog	enables watchdog

## Command Mode

- /exec

# system watchdog

system no watchdog

## Syntax Description

system	System management commands
no	Negate a command or set its defaults
watchdog	enables watchdog

## Command Mode

- /exec

# system watchdog kgdb

system watchdog kgdb

## Syntax Description

system	System management commands
watchdog	enables watchdog
kgdb	enter kgdb on watchdog failure

## Command Mode

- /exec



# system watchdog kgdb

system no watchdog kgdb

## 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

