



S Commands

- 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
- segments, on page 57
- segments, on page 58
- selection input, on page 59
- selection input, on page 60
- selection input, on page 61
- send-community, on page 62
- send-community, on page 63
- send-community extended, on page 64
- 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 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 67
- 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 69
- send, on page 71
- send session, on page 72
- sender, on page 73
- sender, on page 74
- sensor-group, on page 75
- sequence, on page 76
- sequence, on page 77
- server-key 0 7, on page 78
- server, on page 79
- server, on page 80
- server, on page 81
- server protocol ldap, on page 82
- server protocol radius group, on page 83
- server protocol xmpp ip, on page 84
- service-end-point interface, on page 85
- service-end-point interface, on page 86
- service-end-point ip, on page 87
- service-end-point ip, on page 88
- service-interface, on page 89
- service-list, on page 90
- service-list in, on page 91
- service-name, on page 92

- service-policy-dynamic input, on page 93
- service-policy, on page 94
- service-policy, on page 95
- service-policy, on page 96
- service-policy, on page 97
- service-policy input, on page 98
- service-policy type network-qos, on page 99
- service-policy type qos, on page 100
- service-policy type queuing, on page 101
- service-policy type queuing, on page 102
- service-policy type queuing, on page 103
- service-type, on page 104
- service announcement-count, on page 105
- service announcement-timer periodicity, on page 106
- service exclude-bootconfig, on page 107
- service password-recovery, on page 108
- service query-count, on page 109
- service query-timer periodicity, on page 110
- service unsupported-transceiver, on page 111
- session-limit, on page 112
- session domain-lookup, on page 113
- session protection, on page 114
- set-attached-bit, on page 115
- set-overload-bit, on page 116
- set-overload-bit, on page 117
- set, on page 118
- set, on page 119
- set, on page 120
- set, on page 121
- set, on page 122
- set, on page 123
- set as-path none remote-as local-as, on page 126
- set as-path prepend last-as tag, on page 127
- set as-path replace private-as, on page 128
- set comm-list delete, on page 129
- set cos, on page 130
- set cos, on page 131
- set dampening, on page 132
- set distance, on page 133
- set esi all, on page 134
- set evpn gateway-ip, on page 135
- set extcomm-list delete, on page 136
- set extcommunity 4byteas-generic transitive additive, on page 137
- set extcommunity color, on page 138
- set extcommunity cost, on page 139
- set extcommunity evpn rmac, on page 140

- [set extcommunity rt additive, on page 141](#)
- [set forwarding-address, on page 142](#)
- [set inner ipv4, on page 143](#)
- [set inner ipv4, on page 145](#)
- [set inner l2, on page 147](#)
- [set inner l2, on page 149](#)
- [set inner l2 hg2, on page 151](#)
- [set inner l2 hg2, on page 153](#)
- [set inner l4, on page 155](#)
- [set inner l4, on page 156](#)
- [set interface, on page 157](#)
- [set interval find-new-host, on page 158](#)
- [set interval sync-full-info, on page 159](#)
- [set ip address prefix-list, on page 160](#)
- [set ip default next-hop, on page 161](#)
- [set ip default next-hop verify-availability, on page 162](#)
- [set ip default vrf next-hop, on page 163](#)
- [set ip default vrf next-hop verify-availability, on page 164](#)
- [set ip next-hop, on page 165](#)
- [set ip next-hop, on page 166](#)
- [set ip next-hop, on page 167](#)
- [set ip next-hop peer-address, on page 168](#)
- [set ip next-hop redist-unchanged, on page 169](#)
- [set ip next-hop unchanged, on page 170](#)
- [set ip next-hop verify-availability, on page 171](#)
- [set ip precedence, on page 172](#)
- [set ip vrf next-hop, on page 173](#)
- [set ip vrf next-hop verify-availability, on page 174](#)
- [set ipv6 address prefix-list, on page 175](#)
- [set ipv6 default next-hop, on page 176](#)
- [set ipv6 default next-hop verify-availability, on page 177](#)
- [set ipv6 default vrf next-hop, on page 178](#)
- [set ipv6 default vrf next-hop verify-availability, on page 179](#)
- [set ipv6 next-hop, on page 180](#)
- [set ipv6 next-hop, on page 181](#)
- [set ipv6 next-hop, on page 182](#)
- [set ipv6 next-hop peer-address, on page 183](#)
- [set ipv6 next-hop redist-unchanged, on page 184](#)
- [set ipv6 next-hop unchanged, on page 185](#)
- [set ipv6 next-hop verify-availability, on page 186](#)
- [set ipv6 precedence, on page 187](#)
- [set ipv6 vrf next-hop, on page 188](#)
- [set ipv6 vrf next-hop verify-availability, on page 189](#)
- [set label-index, on page 190](#)
- [set large-community-list delete, on page 191](#)
- [set large-community none additive, on page 192](#)

- set level level-1 level-1-2 level-2, on page 193
- set local-preference, on page 194
- set metric, on page 195
- set mpls-exp-topmost cos table exp-cos-map, on page 196
- set nssa-only, on page 197
- set origin egp igp incomplete, on page 198
- set outer ipv4, on page 199
- set outer l2, on page 201
- set outer l2 hg2, on page 203
- set outer l4, on page 205
- set pktrw, on page 206
- set service, on page 212
- set service, on page 213
- set sideband, on page 214
- set srte-policy, on page 217
- set srte-policy name, on page 218
- set tag, on page 219
- set weight, on page 220
- setup, on page 221
- sflow, on page 222
- sflow, on page 223
- sflow data-source interface, on page 224
- sflow data-source interface, on page 225
- sflow extended bgp, on page 226
- sflow extended switch, on page 227
- shared-secret, on page 228
- show, on page 229
- show, on page 230
- show, on page 231
- show, on page 232
- show, on page 236
- show, on page 240
- show, on page 241
- show, on page 242
- show, on page 243
- show, on page 244
- show, on page 245
- shut, 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, on page 280
- shutdown, on page 281
- shutdown, on page 282
- shutdown, on page 283
- shutdown, on page 284
- shutdown, on page 285
- shutdown, on page 286
- shutdown, on page 287
- shutdown, on page 288
- shutdown force, on page 289
- shutdown lan, on page 290
- shutdown lan, on page 291
- signing level, on page 292
- site-id, on page 293
- site-of-origin, on page 294
- sleep, on page 295
- sleep instance, on page 296
- slot, on page 297
- slot, on page 298
- smtp-host smtp-port reply-to from, on page 299
- snapshot create, on page 300

- [snapshot delete](#), on page 301
- [snapshot delete ALL](#), on page 302
- [snapshot section add](#), on page 303
- [snapshot section delete](#), on page 304
- [snmp-server aaa-user cache-timeout](#), on page 305
- [snmp-server community](#), on page 306
- [snmp-server community](#), on page 307
- [snmp-server contact](#), on page 308
- [snmp-server context](#), on page 309
- [snmp-server counter cache enable](#), on page 310
- [snmp-server counter cache timeout](#), on page 311
- [snmp-server drop unknown](#), on page 312
- [snmp-server enable traps](#), on page 313
- [snmp-server enable traps bgp](#), on page 314
- [snmp-server enable traps bgp cbgp2](#), on page 315
- [snmp-server enable traps bgp cbgp2 threshold prefix](#), on page 316
- [snmp-server enable traps bgp threshold prefix](#), on page 317
- [snmp-server enable traps eigrp](#), on page 318
- [snmp-server enable traps ospf](#), on page 319
- [snmp-server enable traps ospf lsa](#), on page 320
- [snmp-server enable traps ospf rate-limit](#), on page 321
- [snmp-server enable traps ospfv3](#), on page 322
- [snmp-server enable traps ospfv3 lsa](#), on page 323
- [snmp-server enable traps ospfv3 lsa](#), on page 324
- [snmp-server enable traps ospfv3 rate-limit](#), on page 325
- [snmp-server enable traps storm-control trap-rate](#), on page 326
- [snmp-server engineID local](#), on page 327
- [snmp-server globalEnforcePriv](#), on page 328
- [snmp-server host filter-vrf](#), on page 329
- [snmp-server host source](#), on page 330
- [snmp-server host use-vrf](#), on page 331
- [snmp-server local use-vrf](#), on page 332
- [snmp-server location](#), on page 333
- [snmp-server mib community-map context](#), on page 334
- [snmp-server protocol enable](#), on page 335
- [snmp-server source-interface informs](#), on page 336
- [snmp-server source-interface traps](#), on page 337
- [snmp-server system-shutdown](#), on page 338
- [snmp-server tcp-session](#), on page 339
- [snmp-server user](#), on page 340
- [snmp-server user](#), on page 341
- [snmp ifmib ifalias long](#), on page 343
- [snmp trap link-status](#), on page 344
- [snmp trap link-status](#), on page 345
- [snmp trap link-status](#), on page 346
- [snmp trap link-status](#), on page 347

- snmp trap link-status, on page 348
- snr threshold, on page 349
- snsr-grp sample-interval, on page 350
- sockets local-port-range, on page 351
- soft-reconfiguration inbound, on page 352
- soo auto, on page 353
- sort, on page 354
- source-address ipv4, on page 355
- source-address ipv6, on page 356
- source-interface, on page 357
- source-interface, on page 358
- source-interface, on page 359
- source-interface, on page 360
- source-interface, on page 361
- source-interface, on page 362
- source-interface, on page 363
- source-interface, on page 364
- source-interface, on page 365
- source-interface hold-down-time, on page 366
- source, on page 367
- source, on page 368
- source, on page 369
- source, on page 370
- source, on page 371
- source, on page 372
- source, on page 373
- source, on page 374
- source, on page 375
- source, on page 376
- source, on page 377
- source, on page 378
- source copy-sys, on page 379
- source forward-drops, on page 380
- source group permit, on page 381
- source group permit, on page 382
- source interface, on page 383
- source interface, on page 384
- source interface, on page 385
- source ip, on page 386
- source ipv4, on page 387
- source ipv6, on page 388
- source port, on page 389
- source port, on page 390
- source vlan, on page 391
- source vlan, on page 392
- source vsan, on page 393

- [spanning-tree bpdudfilter](#), on page 394
- [spanning-tree bpduguard](#), on page 395
- [spanning-tree bridge-domain](#), on page 396
- [spanning-tree bridge assurance](#), on page 397
- [spanning-tree cost](#), on page 398
- [spanning-tree cost auto](#), on page 399
- [spanning-tree domain](#), on page 400
- [spanning-tree domain clear statistics](#), on page 401
- [spanning-tree fcoe](#), on page 402
- [spanning-tree guard](#), on page 403
- [spanning-tree lc-issu](#), on page 404
- [spanning-tree lc-issu](#), on page 405
- [spanning-tree link-type](#), on page 406
- [spanning-tree loopguard default](#), on page 407
- [spanning-tree mode](#), on page 408
- [spanning-tree mst configuration](#), on page 409
- [spanning-tree mst configuration](#), on page 410
- [spanning-tree mst cost](#), on page 411
- [spanning-tree mst cost auto](#), on page 412
- [spanning-tree mst forward-time](#), on page 413
- [spanning-tree mst hello-time](#), on page 414
- [spanning-tree mst max-age](#), on page 415
- [spanning-tree mst max-hops](#), on page 416
- [spanning-tree mst port-priority](#), on page 417
- [spanning-tree mst pre-standard](#), on page 418
- [spanning-tree mst priority](#), on page 419
- [spanning-tree mst root](#), on page 420
- [spanning-tree mst simulate pvst](#), on page 421
- [spanning-tree mst simulate pvst global](#), on page 422
- [spanning-tree pathcost method](#), on page 423
- [spanning-tree port-priority](#), on page 424
- [spanning-tree port type](#), on page 425
- [spanning-tree port type edge bpdudfilter default](#), on page 426
- [spanning-tree port type edge bpduguard default](#), on page 427
- [spanning-tree port type edge default](#), on page 428
- [spanning-tree port type edge trunk](#), on page 429
- [spanning-tree port type network default](#), on page 430
- [spanning-tree pseudo-information](#), on page 431
- [spanning-tree vlan](#), on page 432
- [spanning-tree vlan forward-time](#), on page 433
- [spanning-tree vlan hello-time](#), on page 434
- [spanning-tree vlan max-age](#), on page 435
- [spanning-tree vlan priority](#), on page 436
- [spanning-tree vlan root](#), on page 437
- [speed-group](#), on page 438
- [speed](#), on page 439

- speed, on page 440
- speed, on page 441
- speed, on page 442
- speed, on page 443
- speed, on page 444
- speed, on page 445
- speed, on page 446
- speed auto, on page 447
- speed auto 100, on page 448
- speed auto 100 1000, on page 449
- speed auto 100 1000 2500 5000, on page 450
- speed auto 100 1000, on page 451
- speed auto 100, on page 452
- speed auto 2500 5000 10000, on page 453
- speed auto, on page 454
- spf-interval, on page 455
- spf-interval, on page 456
- spf-interval, on page 457
- spf hold, on page 458
- split-horizon per-site, on page 459
- sport, on page 460
- sport, on page 461
- src-intf, on page 462
- srv6, on page 463
- srv6, on page 464
- ssh, on page 465
- ssh6, on page 466
- ssh all, on page 467
- ssh cipher-mode weak, on page 468
- ssh ciphers aes256-gcm, on page 469
- ssh idle, on page 470
- ssh kexalgorithms ecdh-sha2-nistp384, on page 471
- ssh key, on page 472
- ssh login-attempts, on page 473
- ssh login-gracetime, on page 474
- ssh port, on page 475
- ssh rekey max-data max-time, on page 476
- ssm disable, on page 477
- ssm disable, on page 478
- ssm disable, on page 479
- ssx exporter, on page 480
- ssx monitor, on page 481
- ssx record, on page 482
- ssx system monitor, on page 483
- ssx system system-id, on page 484
- stage-flow, on page 485

- stage-flow, on page 486
- standby, on page 487
- start-threshold, on page 488
- start, on page 489
- start, on page 490
- start, on page 491
- start, on page 492
- start, on page 493
- start, on page 494
- start, on page 495
- state, on page 496
- state enabled, on page 497
- statistics, on page 498
- statistics, on page 499
- statistics, on page 500
- statistics, on page 501
- statistics collection-interval, on page 502
- statistics per-entry, on page 503
- statistics per-entry, on page 504
- statistics per-entry, on page 505
- statistics per-entry, on page 506
- stats-reporting-period, on page 507
- status, on page 508
- status, on page 509
- status, on page 510
- status, on page 511
- status, on page 512
- status, on page 513
- status, on page 514
- stop-threshold, on page 515
- stopbits, on page 516
- stopbits 1, on page 517
- storm-ctrl multi, on page 518
- storm-control-cpu, on page 519
- storm-control, on page 520
- streetaddress, on page 521
- stub, on page 522
- sub-switch vlan, on page 523
- subscription, on page 524
- summary-address, on page 525
- summary-address, on page 526
- summary-address, on page 527
- summary-address, on page 528
- suppress-arp, on page 529
- suppress-fib-pending, on page 530
- suppress-fib-pending, on page 531

- `suppress-inactive`, on page 532
- `suppress-inactive`, on page 533
- `suppress-signaling-protocol ldp`, on page 534
- `suppress mac-route`, on page 535
- `suppress nd`, on page 536
- `switch-id`, on page 537
- `switch-latency`, on page 538
- `switch-latency`, on page 539
- `switch-priority`, on page 540
- `switch-profile`, on page 541
- `switch-profile`, on page 542
- `switch-role border-leaf`, on page 543
- `switch pipeline`, on page 544
- `switchback`, on page 545
- `switching-mode fabric-speed 40g`, on page 546
- `switching-mode fast-to-slow-speed-cut-through`, on page 547
- `switching-mode store-forward`, on page 548
- `switchport`, on page 549
- `switchport`, on page 550
- `switchport access vlan`, on page 551
- `switchport access vlan`, on page 552
- `switchport access vlan`, on page 553
- `switchport access vlan`, on page 554
- `switchport autostate exclude`, on page 555
- `switchport backup interface`, on page 556
- `switchport backup interface`, on page 557
- `switchport backup interface multicast fast-convergence`, on page 558
- `switchport backup interface multicast fast-convergence`, on page 559
- `switchport backup interface preemption delay`, on page 560
- `switchport backup interface preemption delay`, on page 561
- `switchport backup interface preemption mode`, on page 562
- `switchport backup interface preemption mode`, on page 563
- `switchport beacon`, on page 564
- `switchport block unicast`, on page 565
- `switchport description`, on page 566
- `switchport dot1q ethertype`, on page 567
- `switchport dot1q ethertype`, on page 568
- `switchport duplex`, on page 569
- `switchport fill-pattern IDLE speed 8000`, on page 570
- `switchport host`, on page 571
- `switchport ignore bit-errors`, on page 572
- `switchport isolated`, on page 573
- `switchport mac-address static`, on page 574
- `switchport mac-learn disable`, on page 575
- `switchport mode`, on page 576
- `switchport mode`, on page 577

- [switchport mode](#), on page 578
- [switchport mode](#), on page 579
- [switchport mode](#), on page 580
- [switchport mode](#), on page 581
- [switchport mode](#), on page 582
- [switchport mode fabricpath](#), on page 583
- [switchport mode monitor buffer-limit](#), on page 584
- [switchport mode private-vlan](#), on page 585
- [switchport mode private-vlan](#), on page 586
- [switchport mode private-vlan trunk](#), on page 587
- [switchport mode private-vlan trunk](#), on page 588
- [switchport monitor](#), on page 589
- [switchport mtu](#), on page 590
- [switchport owner](#), on page 591
- [switchport port-security](#), on page 592
- [switchport port-security aging time](#), on page 593
- [switchport port-security aging type absolute](#), on page 594
- [switchport port-security mac-address](#), on page 595
- [switchport port-security mac-address sticky](#), on page 596
- [switchport port-security maximum](#), on page 597
- [switchport port-security violation](#), on page 598
- [switchport priority extend cos](#), on page 599
- [switchport private-vlan association trunk](#), on page 600
- [switchport private-vlan association trunk](#), on page 601
- [switchport private-vlan host-association](#), on page 602
- [switchport private-vlan host-association](#), on page 603
- [switchport private-vlan mapping](#), on page 604
- [switchport private-vlan mapping](#), on page 605
- [switchport private-vlan mapping trunk](#), on page 606
- [switchport private-vlan mapping trunk](#), on page 607
- [switchport private-vlan trunk allowed vlan](#), on page 608
- [switchport private-vlan trunk allowed vlan](#), on page 609
- [switchport private-vlan trunk native vlan](#), on page 610
- [switchport private-vlan trunk native vlan](#), on page 611
- [switchport promiscuous-mode off](#), on page 612
- [switchport speed](#), on page 613
- [switchport speed](#), on page 614
- [switchport trunk allow-multi-tag](#), on page 615
- [switchport trunk allowed vlan](#), on page 616
- [switchport trunk allowed vlan](#), on page 617
- [switchport trunk allowed vsan](#), on page 618
- [switchport trunk allowed vsan](#), on page 619
- [switchport trunk mode](#), on page 620
- [switchport trunk native vlan](#), on page 621
- [switchport trunk native vlan](#), on page 622
- [switchport trunk pruning vlan except add remove none all](#), on page 623

- [switchport virtual-ethernet-bridge](#), on page 624
- [switchport vlan mapping](#), on page 625
- [switchport vlan mapping all](#), on page 626
- [switchport vlan mapping all dot1q-tunnel](#), on page 627
- [switchport vlan mapping dot1q-tunnel](#), on page 628
- [switchport vlan mapping dot1q-tunnel allowed-vlan](#), on page 629
- [switchport vlan mapping enable](#), on page 630
- [switchport voice vlan](#), on page 631
- [switchport voice vlan](#), on page 632
- [switchto vdc](#), on page 633
- [swnn](#), on page 634
- [sync-peers destination](#), on page 635
- [sync duration](#), on page 636
- [sync duration range](#), on page 637
- [sync interval](#), on page 638
- [sync interval range](#), on page 639
- [system-mac](#), on page 640
- [system-priority](#), on page 641
- [system](#), on page 642
- [system acl-adjacency-sharing](#), on page 643
- [system acl-adjacency-sharing](#), on page 644
- [system acl](#), on page 645
- [system auto-collect tech-support](#), on page 646
- [system cores](#), on page 647
- [system default interface-vlan autostate](#), on page 648
- [system default interface](#), on page 649
- [system default interface](#), on page 650
- [system default reset-dei](#), on page 651
- [system default route-map validate-applied](#), on page 652
- [system default switchport](#), on page 653
- [system default switchport fabricpath](#), on page 654
- [system default switchport shutdown](#), on page 655
- [system default tx-credit double-queue](#), on page 656
- [system default zone](#), on page 657
- [system dot1q-tunnel transit](#), on page 658
- [system fabric-mode full-rate](#), on page 659
- [system fabric core-vlans](#), on page 660
- [system fabric dynamic-vlans](#), on page 661
- [system fast-reload stabilization-timer](#), on page 662
- [system hap-reset](#), on page 663
- [system hap-reset](#), on page 664
- [system health check bootflash](#), on page 665
- [system heartbeat](#), on page 666
- [system heartbeat](#), on page 667
- [system high-multicast-priority](#), on page 668
- [system inband cpu-mac log threshold rx tx](#), on page 669

- system interface shutdown, on page 670
- system jumbomtu, on page 671
- system login block-for, on page 672
- system login block-for attempts within, on page 673
- system login quiet-mode, on page 674
- system login quiet-mode access-class, on page 675
- system memory-thresholds minor severe critical, on page 676
- system mld snooping, on page 677
- system mode maintenance, on page 678
- system mode maintenance always-use-custom-profile, on page 679
- system mode maintenance maint-delay, on page 680
- system mode maintenance on-reload reset-reason, on page 681
- system mode maintenance snapshot-delay, on page 682
- system mode maintenance timeout, on page 683
- system modifications throttle, on page 684
- system module failure-action shutdown, on page 685
- system module failure-action shutdown multibit-parity, on page 686
- system mrouting, on page 687
- system multicast-priority, on page 688
- system multicast dcs-check, on page 689
- system multicast pvlan route-replication, on page 690
- system nve ecmp-reuse, on page 691
- system nve infra-vlans, on page 692
- system nve ingress-replication round-robin, on page 693
- system nve ipmc global index-size, on page 694
- system nve mac-nat-enable, on page 695
- system nve nat peer-ip, on page 696
- system nve policy-install-all, on page 697
- system pic-core, on page 698
- system poap, on page 699
- system poap, on page 700
- system private-vlan fex trunk, on page 701
- system pss shrink, on page 702
- system qos, on page 703
- system routing l3-scale, on page 704
- system routing unknown-unicast-flood, on page 705
- system routing vrf-aware-nat, on page 706
- system security compliance common-criteria, on page 707
- system security sudo prompt-password, on page 708
- system server session cmd-timeout, on page 709
- system shutdown fan-direction mismatch, on page 710
- system simulate fan-presence, on page 711
- system software allow third-party, on page 712
- system standby manual-boot, on page 713
- system standby manual-boot, on page 714
- system startup-config init, on page 715

- [system startup-config unlock](#), on page 716
- [system statistics](#), on page 717
- [system statistics](#), on page 718
- [system storm-control multi-threshold](#), on page 719
- [system switch-mode](#), on page 720
- [system switchover](#), on page 721
- [system timeout](#), on page 722
- [system trace](#), on page 723
- [system urpf disable](#), on page 724
- [system vlan long-name](#), on page 725
- [system vlan nve-overlay id](#), on page 726
- [system vlan reserve](#), on page 727
- [system vrf-member-change retain-l3-config](#), on page 728
- [system watchdog](#), on page 729
- [system watchdog](#), on page 730
- [system watchdog kgdb](#), on page 731
- [system watchdog kgdb](#), on page 732

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 128 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 | Configure Traffic Engineering Segment Routing related configurations |

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 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 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 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

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 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-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> <syyear> { 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> <syyear> { 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> <syyear> { 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> <syyear> { 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

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 <grp-id>

Syntax Description

| | |
|---------------|---|
| no | (Optional) Negate a command or set its defaults |
| sensor-group | Create a sensor group |
| <i>grp-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 <hostipname>

Syntax Description

| | |
|-------------------|---|
| no | (Optional) Negate a command or set its defaults |
| server | RADIUS server name or IP address |
| <i>hostipname</i> | IPV4/IPV6 address or DNS name |

Command Mode

- /exec/configure/radius

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

[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 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/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-sess/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-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-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

[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

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 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> [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-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-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> ] 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-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

[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 [ 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 [ tunnel ] { <dscp-val> | <dscp-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 |
| tunnel | (Optional) Set DSCP in tunnel encapsulation |
| <i>dscp-val</i> | DSCP value |
| <i>dscp-enum</i> | |
| cos | IEEE 802.1Q Class of Service |
| <i>cos-val</i> | 802.1Q Class of Service value |
| qos-group | Qos-group |
| <i>qos-grp-val</i> | |
| 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 { { 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 <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 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 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 |
| 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/elamns/sel4

set inner ipv4

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

Syntax Description

| | |
|-----------------|---------------------------------------|
| 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/se16

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/se15

set inner l2

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

Syntax Description

| | |
|-------------------|--|
| 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/se14

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 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 |

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

Command Mode

- /exec/elanms/se15

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/sel7

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/set4

set interface

[no] set interface <iiface>

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 [ recursive ] { [ <addr1> + ] { { [ 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 |
| recursive | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED |
| next-hop | Next hop address |
| <i>addr1</i> | (Optional) 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 { 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 { <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 redistrib-unchanged

[no] set ip next-hop redistrib-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 |
| redistrib-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 ] [ 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 |
| recursive | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED |
| next-hop | Next hop address |
| <i>addr1</i> | (Optional) 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 |

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 |

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 ] [ 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 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 |

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 ] [ 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 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 |

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 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 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 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/elamns/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 <sured> | bcm_proxy <bcm_proxy> | excep_case <excep> | transit
<trans> | vpc_df <vpc_df> | src_tep_idx <src_tep> | lat_update <lat_update> | lat_idx <lat_idx> | src_class
<sclass> | ol_fb_met <ol_fb_met> | ol_fb_vpath <ol_fb_vpath> | ol_dre <ol_dre> | ol_vpath <ol_vpath> |
ol_dp <ol_dp> | ol_sp <ol_sp> | ol_e <ol_e> | ol_dl <ol_dl> | ol_lb <ol_lb> | ol_mark <ol_mark> | ol_udp_sp
<ol_udp_sp> | ol_ftag <ol_ftag> | ol_segid <ol_segid> | ol_ttl <ol_ttl> | ol_ecn <ol_ecn> | ol_dscp <ol_dscp>
| ol_de <ol_de> | ol_cos <ol_cos> | ol_mac <ol_mac> | ol_encap_idx <ol_encap> | ol_vpc <ol_vpc> | ol_idx
<ol_idx> | ttl <ttl> | dscp <dscp> | vlan1 <vlan1> | ecn_coi <ecn_coi> | ecn_cio <ecn_cio> | ttl_coi <ttl_coi>
| ttl_cio <ttl_cio> | adj_idx <adj_idx> | vntag_svif <vntag_svif> | de <de> | cos <cos> | vlan0 <vlan0> | adj_vld
<adj_vld> | uc_routed <uc_routed> | loopback <lpb> | ecn <ecn> | hg2_vid <hg2_vlan> | hg2_ppd <hg2_ppd>
| hg2_tc_sup_copy <hg2_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>sured</i> | Sup Redirect |
| bcm_proxy | Broadcom Proxy |
| <i>bcm_proxy</i> | Broadcom Proxy |
| excep_case | Excep_case |
| <i>excep</i> | Excep_case |
| transit | Transit |
| <i>trans</i> | Transit |
| vpc_df | VPC_df |
| <i>vpc_df</i> | VPC_df |
| src_tep_idx | Src TEP Index |
| <i>src_tep</i> | Src TEP Index |
| lat_update | Lat Update |

| | |
|--------------------|--------------------|
| <i>lat_update</i> | Lat Update |
| 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_dpид</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_spид</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> | lbena <lbena> | 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/elamns/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

```
[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

```
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 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 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 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

show

show

Syntax Description

| | |
|------|---------------------|
| show | Show trigger config |
|------|---------------------|

Command Mode

- /exec/elanms/outsel0

show

show [pending]

Syntax Description

| | |
|---------|--|
| show | Display region configurations |
| pending | (Optional) Display the new mst configuration to be applied |

Command Mode

- /exec/configure/spanning-tree/mst/configuration

show

```
show { consistency-checker l2 module <modnum> | forwarding consistency l2 <modnum> } [ __readonly__
<status> [ <l2entry> [ TABLE_mac_address
<disp_mac_addr><disp_type><disp_vlan><disp_is_static><disp_age><disp_is_secure><disp_is_ntfy><disp_port>
]] [ <l2entry_ext> [ TABLE_mac_address
<disp_mac_addr><disp_type><disp_vlan><disp_is_static><disp_age><disp_is_secure><disp_is_ntfy><disp_port>
]] ]
```

Syntax Description

| | |
|---------------------|---|
| show | show |
| consistency-checker | Consistency Checker |
| forwarding | Forwarding information |
| consistency | consistency |
| l2 | Verify l2 mac programming in the hardware |
| module | Module number |
| <i>modnum</i> | Module Number |
| __readonly__ | (Optional) |
| <i>status</i> | (Optional) Result of Consistency Checker |
| <i>l2entry</i> | (Optional) L2 entry |
| <i>l2entry_ext</i> | (Optional) L2 entry string |
| TABLE_mac_address | (Optional) Mac address table |

Command Mode

- /exec

| | |
|---------------------------|--|
| <i>pending</i> | (Optional) Show only entries pending transmission |
| <i>zero-successors</i> | (Optional) Show only zero successor entries |
| <i>detail-links</i> | (Optional) Show all links in topology table with details |
| <i>all-links</i> | (Optional) Show all links in topology table |
| <i>__readonly__</i> | (Optional) |
| <i>TABLE_asn</i> | (Optional) AS number table |
| <i>asn</i> | (Optional) AS number |
| <i>router_id</i> | (Optional) Router-ID |
| <i>TABLE_vrf</i> | (Optional) VRF table |
| <i>vrf</i> | (Optional) VRF name |
| <i>head_serial</i> | (Optional) Head of transmit DNDB thread |
| <i>next_serial</i> | (Optional) Next serial number to use |
| <i>route_count</i> | (Optional) Number of Routes in the topology table |
| <i>replies_pending</i> | (Optional) Number of replies pending |
| <i>dummies</i> | (Optional) Dummies |
| <i>igrp_name</i> | (Optional) EIGRP ddb name |
| <i>num_if</i> | (Optional) Number of interfaces in this AS |
| <i>num_neighbors</i> | (Optional) Number of EIGRP neighbors in this AS |
| <i>num_active_if</i> | (Optional) Number of active interfaces |
| <i>TABLE_quiescent_if</i> | (Optional) Quiescent Interfaces table |
| <i>ifname</i> | (Optional) Interface name |
| <i>TABLE_ent</i> | (Optional) Table entry |
| <i>ip_prefix</i> | (Optional) IP prefix |
| <i>ipv6_prefix</i> | (Optional) IPv6 prefix |
| <i>active</i> | (Optional) Route Active? |
| <i>num_successors</i> | (Optional) Number of successors for the dndb |
| <i>feasible_distance</i> | (Optional) Feasible Distance |
| <i>tag</i> | (Optional) Administrator tag value |
| <i>send_flag</i> | (Optional) Send Flag |

| | |
|------------------------|--|
| <i>xmit_serno</i> | (Optional) Xmit serial number |
| <i>xmit_refcount</i> | (Optional) xmit ref count (Number of active senders) |
| <i>xmit_anchored</i> | (Optional) Xmit anchored? |
| <i>outstd_replies</i> | (Optional) Number of Outstanding replies |
| <i>active_time</i> | (Optional) Active route timestamp |
| <i>query_origin</i> | (Optional) Query origin |
| <i>retry_count</i> | (Optional) Number of retries done on the active DNDB |
| <i>act_min_time</i> | (Optional) Shortest time the destination was active |
| <i>act_max_time</i> | (Optional) Longest time the destination was active |
| <i>act_avg_time</i> | (Optional) Average time the destination was active |
| <i>act_count</i> | (Optional) Active count |
| <i>peers_sia_stuck</i> | (Optional) Number of peers stuck in SIA |
| TABLE_succ | (Optional) Successor table |
| <i>s_nexthop</i> | (Optional) Next hop IPv4 address |
| <i>s_v6nexthop</i> | (Optional) IPv6 next hop address |
| <i>s_ifname</i> | (Optional) Interface this route info came in on |
| <i>s_origin</i> | (Optional) Origin(IPv4) of this DRDB |
| <i>s_v6origin</i> | (Optional) Origin(IPv6) of this DRDB |
| <i>s_send_flag_hex</i> | (Optional) DRDB Send flag in hex |
| TABLE_urib | (Optional) DRDB URIB info table |
| <i>state</i> | (Optional) DRDB URIB state |
| <i>best</i> | (Optional) DRDB URIB best |
| <i>up_to_date</i> | (Optional) DRDB URIB uptodate |
| <i>pending_updates</i> | (Optional) Pending updates |
| <i>wait_for_notify</i> | (Optional) Waiting for notify? |
| <i>reply_pending</i> | (Optional) Pending replies |
| <i>s_metric</i> | (Optional) Composite metric value for the route |
| <i>s_succ_metric</i> | (Optional) Composite metric (successor's view) for the route |
| <i>s_external</i> | (Optional) Route is external? |

| | |
|------------------------|---|
| <i>s_reply_status</i> | (Optional) Reply status flag |
| <i>s_bandwidth</i> | (Optional) Minimum bandwidth of the path |
| <i>s_delay</i> | (Optional) Total delay of the path |
| <i>s_reliability</i> | (Optional) Reliability |
| <i>s_load</i> | (Optional) Load |
| <i>s_min_mtu</i> | (Optional) Minimum mtu of the path |
| <i>s_hop_count</i> | (Optional) Number of hops to reach the destination network |
| <i>s_int_tag</i> | (Optional) Internal tag |
| <i>s_sia_status</i> | (Optional) SIA status flag |
| <i>s_ext_routerid</i> | (Optional) Originating Router-ID |
| <i>s_ext_asn</i> | (Optional) AS number where the route info originated |
| <i>s_ext_proto</i> | (Optional) Protocol which originated this route |
| <i>s_ext_metric</i> | (Optional) External protocol metric |
| <i>s_ext_admin_tag</i> | (Optional) External admin flag |
| <i>s_exterior_flag</i> | (Optional) Exterior flag |
| <i>s_send_flag</i> | (Optional) DRDB send flag |
| <i>s_xmit_sereno</i> | (Optional) Xmit Serial number of this entry |
| <i>s_xmit_anchored</i> | (Optional) Xmit anchored flag |
| TABLE_reply_status | (Optional) Reply-status table |
| <i>rs_ipaddr</i> | (Optional) IP addr of peer from which replies are pending |
| <i>rs_ifname</i> | (Optional) Interface on which replies are pending |
| TABLE_sia_status | (Optional) SIA-status table |
| <i>ss_ipaddr</i> | (Optional) IP addr of peer from which SIA replies are pending |
| <i>ss_ifname</i> | (Optional) Interface on which SIA replies are pending |
| <i>eigrp-ptag</i> | (Optional) |

Command Mode

- /exec

show

```
show { { ip eigrp [ <eigrp-ptag> ] neighbors [ detail | state ] { [ <interface> ] | { [ <address> ] [ vrf { <vrf-name>
| <vrf-known-name> | all } ] } } } | { ipv6 eigrp [ <eigrp-ptag> ] neighbors [ detail | state ] { [ <interface> ] |
{ [ <ipv6-addr> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } } [ __readonly__ TABLE_asn <asn>
TABLE_vrf <vrf> [ { TABLE_peer <peer_handle> { <peer_ipaddr> | <peer_ipv6addr> } <peer_ifname>
<peer_holdtime> <peer_srtt> <peer_rto> <peer_xmitq_count> <peer_last_seqno> <peer_uptime> [
<peer_static> <peer_nsf_restart_time> <peer_last_startup_serno> <peer_ios_major_ver> <peer_ios_minor_ver>
<peer_eigrp_major_rev> <peer_eigrp_minor_rev> <peer_retrans_count> <peer_retry_count>
<peer_bfd_enabled> [ <peer_bfd_sess_established> ] <peer_wait_for_init> <peer_wait_for_init_ack>
<peer_reinit_start_time> <peer_prefix_count> <peer_info_stubbed> [ <peer_info_allow_connected>
<peer_info_allow_statics> <peer_info_allow_summaries> <peer_info_allow_redist>
<peer_info_allow_leaking> ] <peer_info_receive_only> <peer_suppress_queries> ] [ TABLE_xmitq_pkts
<pkt_qtype> <pkt_counter> <pkt_opcode> <pkt_ack_seqno> <pkt_start_seqno> <pkt_end_seqno> <pkt_len>
<pkt_time_sent> <pkt_init_flag> <pkt_sequenced> ] [ <peer_state_cr_mode> <peer_state_need_init>
<peer_state_need_init_ack> <peer_state_going_down> <peer_state_coming_up> <peer_state_peer_deleted>
<peer_state_nsf_in_progress> <peer_state_need_eot> <peer_state_use_nsf_startup_mode>
<peer_state_await_nsf_convergence> <peer_state_initiated_gr> <peer_state_cr_sequence>
<peer_state_rcv_probe_sequence> <peer_state_send_probe_sequence> ] } ] [ { TABLE_suspended_peer {
<susp_peer_ipaddr> | <susp_peer_ipv6addr> } <susp_peer_ifname> [ <susp_peer_restart_reqd>
<susp_peer_restart_time> ] } ] }
```

Syntax Description

| | |
|-----------------------|---|
| show | Show running system information |
| ip | Display IP information |
| ipv6 | Display IPv6 information |
| eigrp | Display EIGRP status and configuration |
| vrf | (Optional) Display per-VRF information |
| <i>vrf-name</i> | (Optional) VRF name |
| <i>vrf-known-name</i> | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| <i>eigrp-ptag</i> | (Optional) Process tag |
| neighbors | IP-EIGRP neighbors |
| detail | (Optional) Show detailed peer information |
| state | THIS KEYWORD OR VARIABLE IS NOT SUPPORTED |
| <i>interface</i> | (Optional) Interface |
| <i>address</i> | (Optional) IP-EIGRP neighbor address |
| __readonly__ | (Optional) |

| | |
|----------------------------------|--|
| TABLE_asn | (Optional) AS number table |
| <i>asn</i> | (Optional) AS number |
| TABLE_vrf | (Optional) VRF table |
| <i>vrf</i> | (Optional) VRF name |
| TABLE_peer | (Optional) Peer table |
| <i>peer_handle</i> | (Optional) Peer handle |
| <i>peer_ipaddr</i> | (Optional) Peer's IP addr |
| <i>peer_ifname</i> | (Optional) Peering Interface name |
| <i>peer_holdtime</i> | (Optional) Hold-time for the peer |
| <i>peer_uptime</i> | (Optional) Peer Up-time |
| <i>peer_srtt</i> | (Optional) SRTT |
| <i>peer_rto</i> | (Optional) RTO |
| <i>peer_xmitq_count</i> | (Optional) Xmit Q count |
| <i>peer_last_seqno</i> | (Optional) Last received Sequence number |
| <i>peer_static</i> | (Optional) Static peer? |
| <i>peer_nsf_restart_time</i> | (Optional) Timestamp of last nsf restart |
| <i>peer_last_startup_serno</i> | (Optional) Target serial number for unicast startup |
| <i>peer_ios_major_ver</i> | (Optional) IOS major version |
| <i>peer_ios_minor_ver</i> | (Optional) IOS minor version |
| <i>peer_eigrp_major_rev</i> | (Optional) EIGRP major revision |
| <i>peer_eigrp_minor_rev</i> | (Optional) EIGRP minor revision |
| <i>peer_retrans_count</i> | (Optional) Number of retransmissions to this peer |
| <i>peer_retry_count</i> | (Optional) Retries for packets on xmit Q |
| <i>peer_bfd_enabled</i> | (Optional) Peer BFD enabled? |
| <i>peer_bfd_sess_established</i> | (Optional) Peer BFD session established? |
| <i>peer_wait_for_init</i> | (Optional) Waiting for INIT |
| <i>peer_wait_for_init_ack</i> | (Optional) Waiting for INIT-ACK |
| <i>peer_reinit_start_time</i> | (Optional) Re-Init start time |
| <i>peer_prefix_count</i> | (Optional) Number of Prefixes received from the peer |

| | |
|---|---|
| <i>peer_info_stubbed</i> | (Optional) Peer is a Stub? |
| <i>peer_info_allow_connected</i> | (Optional) Peer advertises connected routes? |
| <i>peer_info_allow_statics</i> | (Optional) Peer advertises static routes? |
| <i>peer_info_allow_summaries</i> | (Optional) Peer advertises summary routes? |
| <i>peer_info_allow_redist</i> | (Optional) Peer advertises redistributed routes? |
| <i>peer_info_allow_leaking</i> | (Optional) Peer advertises routes permitted by leak-map? |
| <i>peer_info_receive_only</i> | (Optional) Peer is receive-only? |
| <i>peer_suppress_queries</i> | (Optional) Suppress queries to this peer? |
| TABLE_xmitq_pkts | (Optional) Xmit Q packets table |
| <i>pkt_qtype</i> | (Optional) XMIT Qtype |
| <i>pkt_counter</i> | (Optional) Packet counter for the packets present in the transmit queue |
| <i>pkt_opcode</i> | (Optional) Packet opcode |
| <i>pkt_ack_seqno</i> | (Optional) Ack/Sequence number of this packet |
| <i>pkt_start_seqno</i> | (Optional) Starting serial number |
| <i>pkt_end_seqno</i> | (Optional) Ending serial number |
| <i>pkt_len</i> | (Optional) Packet length |
| <i>pkt_time_sent</i> | (Optional) Time at which the packet is transmitted |
| <i>pkt_init_flag</i> | (Optional) Init-flag should be sent in the packet? |
| <i>pkt_sequenced</i> | (Optional) Packet is sequenced? |
| <i>peer_state_cr_mode</i> | (Optional) Conditional Received mode set? |
| <i>peer_state_need_init</i> | (Optional) Waiting for Init from peer? |
| <i>peer_state_need_init_ack</i> | (Optional) Waiting for InitAck from peer? |
| <i>peer_state_going_down</i> | (Optional) Peer-Going-down? |
| <i>peer_state_coming_up</i> | (Optional) Peer-Coming-up? |
| <i>peer_state_peer_deleted</i> | (Optional) Peer-Deleted? |
| <i>peer_state_nsf_in_progress</i> | (Optional) Peer is nsf restarting? |
| <i>peer_state_need_eot</i> | (Optional) Expect end-of-table from this peer? |
| <i>peer_state_use_nsf_startup_mode</i> | (Optional) Use nsf startup method? |
| <i>peer_state_await_nsf_convergence</i> | (Optional) The peer is waiting eot from us? |

| | |
|---------------------------------------|---|
| <i>peer_state_initiated_gr</i> | (Optional) Initiated graceful restart? |
| <i>peer_state_cr_sequence</i> | (Optional) Expected sequence number of CR packet |
| <i>peer_state_rcv_probe_sequence</i> | (Optional) Sequence number of last probe packet received |
| <i>peer_state_send_probe_sequence</i> | (Optional) Sequence number of next probe to send |
| TABLE_suspended_peer | (Optional) Suspended peer table |
| <i>susp_peer_ipaddr</i> | (Optional) IP address of suspended peer |
| <i>susp_peer_ifname</i> | (Optional) Interface through which we are connected to the suspended peer |
| <i>susp_peer_restart_reqd</i> | (Optional) Suspended peer restart required? |
| <i>susp_peer_restart_time</i> | (Optional) Suspended peer restart time |
| <i>eigrp-ptag</i> | (Optional) |

Command Mode

- /exec

show

show

Syntax Description

| | |
|------|---------------------|
| show | Show trigger config |
|------|---------------------|

Command Mode

- /exec/elamns/se13

show

show

Syntax Description

| | |
|------|---------------------|
| show | Show trigger config |
|------|---------------------|

Command Mode

- /exec/elamns/sel4

show

show

Syntax Description

| | |
|------|---------------------|
| show | Show trigger config |
|------|---------------------|

Command Mode

- /exec/elamns/se15

show

show

Syntax Description

| | |
|------|---------------------|
| show | Show trigger config |
|------|---------------------|

Command Mode

- /exec/elamns/sel6

show

show

Syntax Description

| | |
|------|---------------------|
| show | Show trigger config |
|------|---------------------|

Command Mode

- /exec/elamns/se17

show

show

Syntax Description

| | |
|------|---------------------|
| show | Show trigger config |
|------|---------------------|

Command Mode

- /exec/elamns/outsel5

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 [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

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 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 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 | OpenFlow switch shutdown |

Command Mode

- /exec/configure/openflow/switch

shutdown

[no] shutdown

Syntax Description

| | |
|----------|---|
| no | (Optional) Negate a command or set its defaults |
| shutdown | OpenFlow switch shutdown |

Command Mode

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

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 | 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-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 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> { 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

slot

slot <module>

Syntax Description

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

Command Mode

- /exec/configure

smtp-host smtp-port reply-to from

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

Syntax Description

| | |
|--------------|---------------------------------|
| <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 <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-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> } ] } } } }
```

Syntax Description

| | |
|----------------|--|
| no | (Optional) Negate a command or set its defaults |
| snmp-server | Configure snmp server |
| user | Define a user who can access the SNMP engine |
| <i>s0</i> | Name of the user |
| enforcePriv | Enforce privacy for the user |
| <i>s1</i> | (Optional) Group name (ignored for notif target user) |
| auth | (Optional) authentication parameters for the user |
| md5 | (Optional) Use HMAC MD5 algorithm for authentication |
| sha | (Optional) Use HMAC SHA-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 |
| 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 |
| 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) |

| | |
|-----------------|--|
| <i>s4</i> | (Optional) Specifies notification target's SNMP engineID. Should be an octet of either Decimal (range: 0 to 255) or Hexadecimal (range: 0 to FF) value, each octet being separated by colon. Hexadecimal value should have prefix of 0x or 0X. Including colons- |
| localizedkey1 | (Optional) specifies whether the passwords are in localized key format |
| 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) |
| <i>s5</i> | (Optional) Specifies notification target's SNMP engineID. Should be an octet of either Decimal (range: 0 to 255) or Hexadecimal (range: 0 to FF) value, each octet being separated by colon. Hexadecimal value should have prefix of 0x or 0X. Including colons- |

Command Mode

- /exec/configure

snmp 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

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 | 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

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

[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 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

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

Command Mode

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

soft-reconfiguration inbound

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

Syntax Description

| | |
|----------------------|--|
| 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

soo auto

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

Syntax Description

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

Command Mode

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

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

[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> } | 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

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

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

[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

[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 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 <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

| | |
|---------------------|---------------------------------|
| <code>source</code> | Specify details |
| <code>ipaddr</code> | 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

source <srcip> | no source

Syntax Description

| | |
|--------------|--|
| no | Negate a command or set its defaults |
| source | Source address for connection to controllers |
| <i>srcip</i> | IP address of source |

Command Mode

- /exec/configure/openflow/switch

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/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/analytics/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/nfm-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

```
[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

[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-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-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

```
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-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 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-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 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 <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/otv-isis/otv-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/outsel5

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/outsel0

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/ipacl /exec/configure/vacl

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/ipv6acl

statistics

[no] statistics

Syntax Description

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

Command Mode

- /exec/configure/macac1

statistics collection-interval

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

Syntax Description

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

Command Mode

- /exec/configure/openflow/switch

statistics per-entry

[no] statistics per-entry

Syntax Description

| | |
|----|---|
| 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/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/mplsacl

statistics per-entry

[no] statistics per-entry

Syntax Description

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

Command Mode

- /exec/configure/ipv6acl

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/se15

status

status

Syntax Description

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

Command Mode

- /exec/elamns/sel3

status

status

Syntax Description

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

Command Mode

- /exec/elamns/se14

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/elamns/outse10

status

status

Syntax Description

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

Command Mode

- /exec/elanms/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-ctrl multi

```
storm-ctrl multi { { broadcast { blevel1 <level1> blevel2 <level2> } | multicast { mlevel1 <level1> mlevel2
<level2> } | unicast { ulevel1 <level1> ulevel2 <level2> } } | { action1 { shutdown1 | trap1 } action2 {
shutdown2 | trap2 } } } | no storm-ctrl 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-ctrl | 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-l2-non-member /exec/configure/if-eth-port-channel-switch

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

sub-switch vlan

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

Syntax Description

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

Command Mode

- /exec/configure/openflow/switch

subscription

[no] subscription <sub-id>

Syntax Description

| | |
|---------------|---|
| 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-bgp

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-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-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-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

switch pipeline

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

Syntax Description

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

Command Mode

- /exec/configure/openflow

switchback

switchback

Syntax Description

| | |
|------------|---------------------------|
| 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-eth-port-channel-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-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-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-all

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 |
| __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

[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 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 fill-pattern IDLE speed 8000

```
switchport fill-pattern { IDLE | ARBFF } speed 8000
```

Syntax Description

| | |
|--------------|---|
| switchport | Configure switchport parameters |
| fill-pattern | Configure the fill pattern for an interface |
| IDLE | Configure fill pattern IDLE |
| ARBFF | Configure fill pattern ARBFF |
| speed | Configure the fill pattern for speed |
| 8000 | Configure the fill pattern for speed 8000 |

Command Mode

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

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-fcip

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-san-port-channel

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

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 <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

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

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

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

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 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-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 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 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 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-gig-ether-sub /exec/configure/if-legacy-eth

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

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 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-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

[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 hap-reset

Syntax Description

| | |
|-----------|---|
| system | System management commands |
| hap-reset | enables resetting of local or remote sup on ha failures |

Command Mode

- /exec

system hap-reset

system no hap-reset

Syntax Description

| | |
|-----------|---|
| system | System management commands |
| no | Negate a command or set its defaults |
| hap-reset | enables resetting of local or remote sup on ha failures |

Command Mode

- /exec

system health check bootflash

system health check bootflash [fix-errors]

Syntax Description

| | |
|------------|--|
| 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 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 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 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