



Cisco Nexus 9000 Series NX-OS Command Reference (Show Commands), Release 10.3(x)

First Published: 2022-09-22

Last Modified: 2023-11-02

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 527-0883



CONTENTS

CHAPTER 1

Notices 1

Notice 2

PART I

All Show Commands 3

CHAPTER 2

A Show Commands 5

show aaa accounting 7

show aaa authentication 8

show aaa authentication login 9

show aaa authentication login ascii-authentication 10

show aaa authentication login error-enable 11

show aaa authentication login invalid-username-log 12

show aaa authorization 13

show aaa bypass-user 14

show aaa client radius statistics 15

show aaa groups 16

show aaa local user blocked 17

show aaa server radius statistics 18

show aaa user blocked 19

show aaa user default-role 20

show access-list 21

show access-list database 25

show access-list resource 26

show access-lists 28

show access-lists 30

show accounting log 35

show accounting log all	36
show accounting log last-index	37
show accounting log nvram	38
show accounting log nvram last-index	39
show accounting log nvram start-seqnum	40
show accounting log start-seqnum	41
show acl status	42
show amt process	43
show amt vrf all	45
show app-hosting bridge	46
show app-hosting detail	47
show app-hosting infra	50
show app-hosting list	51
show app-hosting resource	52
show app-hosting utilization	53
show archive log config	54
show arp access-lists	55

CHAPTER 3**B Show Commands 57**

show background	59
show banner exec	60
show banner motd	61
show bash-shell	62
show bfd clients	63
show bfd neighbors	64
show bgp	68
show bgp	70
show bgp	73
show bgp	82
show bgp	90
show bgp	97
show bgp bmp server	100
show bgp community	103
show bgp convergence	110

show bgp dampening dampened	112
show bgp dampening flap-statistics	119
show bgp dampening parameters	122
show bgp evi	125
show bgp extcommunity	127
show bgp l3vpn	135
show bgp large-community	137
show bgp neighbors	144
show bgp neighbors	155
show bgp neighbors commands	162
show bgp neighbors flap-statistics	164
show bgp neighbors paths	166
show bgp path-attribute discard	168
show bgp paths	175
show bgp peer-template	176
show bgp peer	180
show bgp prefix-list	182
show bgp private attr	189
show bgp private debug history	190
show bgp process	191
show bgp received-paths	197
show bgp regexp	204
show bgp segment-routing srv6	211
show bgp self-originated	212
show bgp sessions	219
show bgp statistics	221
show bgp summary	222
show bgp summary	227
show boot	232
show boot auto-copy	233
show boot auto-copy list	234
show boot current	235
show boot mode	236
show boot order	237

show boot timings 238
 show boot variables 239
 show buffer-drop detail 240
 show buffer-latency detail 241

CHAPTER 4
C Show Commands 243

show callhome 247
 show callhome destination-profile 249
 show callhome destination-profile profile 250
 show callhome destination-profile profile CiscoTAC-1 251
 show callhome destination-profile profile full-txt-destination 252
 show callhome destination-profile profile short-txt-destination 253
 show callhome transport-email 254
 show callhome transport 255
 show callhome user-def-cmds 257
 show cdp 258
 show cdp all 260
 show cdp global 261
 show cdp neighbors 262
 show cdp neighbors detail 263
 show cdp traffic interface2 265
 show cdp traffic interface2 all 266
 show cfs application 267
 show cfs lock 268
 show cfs lock 269
 show cfs merge status 270
 show cfs merge status 271
 show cfs peers 273
 show cfs peers 274
 show cfs regions 275
 show cfs static peers 277
 show cfs status 278
 show checkpoint 279
 show checkpoint 280

show checkpoint summary	281
show class-map	282
show class-map type control-plane	284
show class-map type network-qos	285
show cli alias	286
show cli dynamic integers	287
show cli dynamic strings	288
show cli history	289
show cli interface table	290
show cli list	291
show cli syntax	292
show cli variables	293
show clock-interface	294
show clock	295
show config-profile	296
show config-profile applied	297
show config-replace log exec	298
show config-replace status	300
show configuration	301
show configuration	302
show configuration commit	303
show configuration failed	304
show configuration file	305
show configuration session	306
show configuration session	307
show configuration session global-info	308
show configuration session status	309
show configuration session summary	310
show configuration session vsh	311
show consistency-checker copp	312
show consistency-checker copp extended module	313
show consistency-checker dme interfaces	314
show consistency-checker dvif-sharing vlan	315
show consistency-checker egress-xlate private-vlan	316

show consistency-checker ehm interface	317
show consistency-checker fcoe	318
show consistency-checker fex-interfaces fabric	320
show consistency-checker fex-interfaces fabric egress-xlate private-vlan	321
show consistency-checker fex-interfaces fex	322
show consistency-checker forwarding	323
show consistency-checker forwarding ipv6	325
show consistency-checker forwarding single-route ipv4 vrf	327
show consistency-checker fsync	328
show consistency-checker gwmacdb	329
show consistency-checker hardware-telemetry inband brief	330
show consistency-checker hardware-telemetry postcard brief	331
show consistency-checker itd	332
show consistency-checker itd ingress interface source destination	333
show consistency-checker kim	334
show consistency-checker kim interface	335
show consistency-checker l2-tahoe mac-address	336
show consistency-checker l2-tahoe sub-interface	337
show consistency-checker l2-tahoe sub-interface vlan	338
show consistency-checker l2-tahoe switchport	339
show consistency-checker l2 module	340
show consistency-checker l2 multicast group source vlan	341
show consistency-checker l2 multicast mac vlan	342
show consistency-checker l3-interface	343
show consistency-checker l3 multicast group source vrf	344
show consistency-checker link-state fabric-ieth	345
show consistency-checker link-state module	346
show consistency-checker macsec interface	347
show consistency-checker membership port-channels	348
show consistency-checker membership vlan	349
show consistency-checker monitor session	350
show consistency-checker multicast nlb cluster-ip vrf	351
show consistency-checker multicast vlan	352
show consistency-checker niv-datapath interface	353

show consistency-checker pacl extended ingress ip module	354
show consistency-checker pacl extended ingress ipv6 module	355
show consistency-checker pacl extended ingress ip interface	356
show consistency-checker pacl extended ingress ipv6 interface	357
show consistency-checker pacl extended ingress mac interface	358
show consistency-checker pacl extended ingress mac module	359
show consistency-checker pacl extended module	360
show consistency-checker pacl module	361
show consistency-checker pacl port-channels	362
show consistency-checker port-state	363
show consistency-checker port-state fabric-ieth	364
show consistency-checker qinq	365
show consistency-checker racl extended egress ip interface	366
show consistency-checker racl extended egress ip module	367
show consistency-checker racl extended egress ipv6 module	368
show consistency-checker racl extended egress ipv6 interface	369
show consistency-checker racl extended ingress ipv6 module	370
show consistency-checker racl extended ingress ip module	371
show consistency-checker racl extended ingress ip interface	372
show consistency-checker racl extended ingress ipv6 interface	373
show consistency-checker racl extended module	374
show consistency-checker racl module	375
show consistency-checker racl port-channels	376
show consistency-checker racl svi interface	377
show consistency-checker segment-routing mpls	378
show consistency-checker selective-qinq	379
show consistency-checker selective-qinq interface	380
show consistency-checker sflow	381
show consistency-checker storm-control	382
show consistency-checker stp-state vlan	383
show consistency-checker tap-aggregation qinq	384
show consistency-checker tap-aggregation qinq interface	385
show consistency-checker transceiver	386
show consistency-checker vacl	387

show consistency-checker vacl extended ingress ipv6 vlan	388
show consistency-checker vacl extended ingress ip vlan	389
show consistency-checker vacl extended ingress mac vlan	390
show consistency-checker vpc	391
show consistency-checker vpgrouping interface	392
show consistency-checker vxlan config-check	393
show consistency-checker vxlan infra	394
show consistency-checker vxlan l2 mac-address module	395
show consistency-checker vxlan l2 module	396
show consistency-checker vxlan l3 single-route ipv4 vrf	397
show consistency-checker vxlan l3 vrf start	398
show consistency-checker vxlan mh mac-addresses	399
show consistency-checker vxlan mh pathlist	400
show consistency-checker vxlan pv	401
show consistency-checker vxlan qinq-qinvni	402
show consistency-checker vxlan qinvni	403
show consistency-checker vxlan selective-qinvni	404
show consistency-checker vxlan selective-qinvni interface	405
show consistency-checker vxlan vlan	406
show consistency-checker vxlan xconnect	407
show controller accounting log	408
show copp diff profile profile2	409
show copp profile	410
show copp status	415
show copyright	416
show cores	417
show crypto ca certificates	418
show crypto ca certificates	419
show crypto ca certstore	420
show crypto ca crl	421
show crypto ca remote-certstore	422
show crypto ca trustpoints	423
show crypto ca trustpool	424
show crypto ca trustpool last download status	425

show crypto ca trustpool policy 426
show crypto certificatemap 427
show crypto key mypubkey rsa 428
show crypto ssh-auth-map 429
show cts 430
show current 431

CHAPTER 5**D Show Commands 433**

show dampening interface 435
show device-alias database 436
show device-alias merge status 437
show device-alias name 438
show device-alias pending-diff 439
show device-alias pending 440
show device-alias pwn 441
show device-alias session rejected 442
show device-alias session status 443
show device-alias statistics 444
show device-alias status 445
show diagnostic bootup level 446
show diagnostic content module 447
show diagnostic description module test all 448
show diagnostic events 449
show diagnostic ondemand setting 450
show diagnostic result module 451
show diagnostic result module all 453
show diagnostic simulation module 455
show diagnostic status module 456
show diff rollback-patch 457
show diff running 458
show dot1q-tunnel 459
show dot1q-tunnel interface 460
show dot1x 461
show dot1x all 462

show dot1x all details	464
show dot1x all statistics	467
show dot1x all summary	469
show dot1x interface	470
show dot1x interface client statistics	475
show dot1x interface client statistics address	477
show dpvm database	478
show dpvm fip	479
show dpvm merge statistics	480
show dpvm merge status	481
show dpvm pending-diff	482
show dpvm pending	483
show dpvm ports	484
show dpvm session status	485
show dpvm status	486

CHAPTER 6**E Show Commands 487**

show ecp	488
show elam report	490
show email	491
show encryption service status	492
show environment	493
show epbr policy	499
show epbr statistics policy	501
show errdisable detect	502
show errdisable flap	503
show esmc counters interface	504
show esmc packet-trace	505
show ethanalyzer background-session	506
show evb	507
show evb hosts	508
show evb vsi	510
show event manager environment	512
show event manager event-types	513

show event manager events action-log	514
show event manager history events	515
show event manager policy-state	516
show event manager script system	517
show event manager system-policy	518

CHAPTER 7
F Show Commands 519

show fabric-binding database	524
show fabric-binding efmd statistics	525
show fabric-binding fip	526
show fabric-binding statistics	527
show fabric-binding status	528
show fabric-binding violations	529
show fabric database dc1	530
show fabric database host	532
show fabric database host statistics	536
show fabric database host summary	539
show fabric database profile-map	540
show fabric database static-host	541
show fabric database statistics	542
show fabric forwarding host-db	544
show fabric forwarding ip local	546
show fabric forwarding ipv6 local	547
show fabric multicast globals	548
show fabric multicast ipv4 l2 vni	550
show fabric multicast statistics	551
show fabric multicast vrf	553
show fabric switch information	554
show fc2 bind	555
show fc2 classf	556
show fc2 exchange	558
show fc2 exchresp	560
show fc2 flogi	562
show fc2 nport	563

show fc2 plogi	565
show fc2 plogi_pwn	567
show fc2 port brief	568
show fc2 port drops	571
show fc2 port state	574
show fc2 socket	576
show fc2 sockexch	577
show fc2 socknotify	578
show fc2 socknport	579
show fc2 vsan	580
show fcalias	581
show fcdomain	582
show fcdomain address-allocation	583
show fcdomain allowed	584
show fcdomain domain-list	585
show fcdomain fcid persistent	586
show fcdomain pending-diff	587
show fcdomain pending	588
show fcdomain session-status	589
show fcdomain statistics	590
show fcdomain status	591
show fcdomain vsan	592
show fcdroplateny	593
show fcid-allocation area	594
show fcid-allocation company-id-from-wwn	595
show fcns database	596
show fcns statistics	598
show fcoe-npv issu-impact	599
show fcoe	600
show fcoe database	601
show fcs database	602
show fcs ie	603
show fcs platform	604
show fcs port	605

show fcs statistics	606
show fcs vsan	607
show fctimer	608
show fctimer D_S_TOV	609
show fctimer E_D_TOV	610
show fctimer F_S_TOV	611
show fctimer R_A_TOV	612
show fctimer last action status	613
show fctimer pending-diff	614
show fctimer pending	615
show fctimer session status	616
show fctimer status	617
show fctimer vsan	618
show fdmi database	619
show fdmi database detail	620
show fdmi database detail hba-id vsan	621
show fdmi database detail vsan	622
show fdmi database vsan	623
show fdmi suppress-updates	624
show feature-set	625
show feature-set services	626
show feature	627
show fex interface priority-flow-control	628
show fhrp	629
show fhrp verbose	630
show file	632
show fips status	633
show flogi auto-area-list	634
show flogi database	635
show flow cache	636
show flow cache	638
show flow event	640
show flow exporter	642
show flow filter	644

show flow interface	645
show flow monitor	646
show flow profile	647
show flow record	649
show flow rtp	652
show flow rtp timeout	654
show flow system	655
show flow timeout	657
show flow tracer	658
show flow vrf	659
show forwarding	660
show forwarding adjacency	661
show forwarding consistency-fretta l2	664
show forwarding distribution clients	665
show forwarding distribution evpn storm-control	666
show forwarding distribution fib-state	667
show forwarding distribution ip igmp snooping	668
show forwarding distribution ipv6 multicast route	669
show forwarding distribution l2 multicast	671
show forwarding distribution lisp counters	674
show forwarding distribution lisp vrf enabled	675
show forwarding distribution multicast	676
show forwarding distribution multicast client-ack-db	677
show forwarding distribution multicast client	678
show forwarding distribution multicast download	679
show forwarding distribution multicast mfib	680
show forwarding distribution multicast outgoing-interface-list L2_PRIME	681
show forwarding distribution multicast resp-ack-timer-msgs	682
show forwarding distribution multicast route	683
show forwarding distribution multicast route sr um-nat	686
show forwarding distribution multicast sr hash-db	687
show forwarding distribution multicast vxlan dsg-db	688
show forwarding distribution multicast vxlan vlan-db	689
show forwarding distribution nve overlay-vlan	690

show forwarding distribution peer-id	691
show forwarding distribution srv6 local-sid bd-mapping	692
show forwarding distribution trace	693
show forwarding ecmp	694
show forwarding ecmp recursive	696
show forwarding inconsistency	701
show forwarding interfaces	703
show forwarding ipv6	704
show forwarding ipv6 adjacency	707
show forwarding ipv6 inconsistency	709
show forwarding ipv6 multicast route	711
show forwarding kvfib cache on	714
show forwarding l2 multicast	715
show forwarding l2vpn label vpls	717
show forwarding l2vpn label xconnect	718
show forwarding l2vpn vlan	719
show forwarding mpls	720
show forwarding mpls drop-stats	722
show forwarding mpls ecmp	723
show forwarding mpls eompls	725
show forwarding mpls eompls ir	726
show forwarding mpls option_b	728
show forwarding mpls srte module	729
show forwarding mpls summary	730
show forwarding multicast-sr loopback interface	731
show forwarding multicast-sr mac-trap-db	732
show forwarding multicast outgoing-interface-list	733
show forwarding multicast pvlan replicated-routes	735
show forwarding multicast route	736
show forwarding nve l2 ingress-replication-peers	739
show forwarding nve l3 adjacency tunnel	742
show forwarding nve l3 adjacency v6-tunnel	744
show forwarding nve l3 ecmp	746
show forwarding nve l3 peers	747

show forwarding nve underlay-interfaces	748
show forwarding otv	749
show forwarding otv ipv6 multicast route	750
show forwarding otv multicast outgoing-interface-list	753
show forwarding otv multicast route	754
show forwarding otv vlan	755
show forwarding proactive-cc inconsistencies	756
show forwarding security group-tag	758
show forwarding security mac	760
show forwarding srv6 adjacency decap	762
show forwarding srv6 adjacency encap	763
show forwarding srv6 bsid-peer	764
show forwarding srv6 bsid	765
show forwarding srv6 ecmp	766
show forwarding srv6 local-sid	767
show forwarding srv6 peers	768
show forwarding trace	769
show forwarding trace profile	770
show forwarding trace profile funcstats	771
show frequency synchronization clock-interface brief	772
show frequency synchronization clock-interface detail	774
show frequency synchronization configuration errors	777
show frequency synchronization interface	779
show frequency synchronization interface brief	782
show frequency synchronization selection	784
show fspf	786
show fspf database	787
show fspf interface	788
show fspf vsan	789
show fspf vsan interface	790
show fte event	791
show fte exporter	792
show fte monitor	793
show fte record	794

CHAPTER 8**G Show Commands 797**

- show gnss-receiver 798
- show guestshell 800

CHAPTER 9**H Show Commands 803**

- show hardware 805
- show hardware access-list lou resource threshold 808
- show hardware access-list resource pooling 809
- show hardware access-list team 810
- show hardware capacity 811
- show hardware capacity eobc 812
- show hardware capacity fabric-utilization 813
- show hardware capacity forwarding 814
- show hardware capacity interface 815
- show hardware capacity module 816
- show hardware capacity power 818
- show hardware fabricpath mac-learning module 819
- show hardware feature-capability 820
- show hardware flow aging 821
- show hardware flow entry address type 822
- show hardware flow ip 823
- show hardware flow ipv6 824
- show hardware flow l2 825
- show hardware flow mpls 826
- show hardware flow sampler 827
- show hardware flow tah-etrap 828
- show hardware flow utilization 829
- show hardware forwarding interface statistics mode 830
- show hardware forwarding memory health detail 831
- show hardware forwarding memory health summary 834
- show hardware ip verify 836
- show hardware profile forwarding-mode 837
- show hardware profile module 838

show hardware profile packet-drop	839
show hardware profile portmode	840
show hardware profile status	841
show hardware profile team region	843
show hardware qos afd profile	844
show hardware qos burst-detect max-records	845
show hardware qos eoq stats-class	846
show hardware qos include ipg	847
show hardware qos ing-pg-hdrm-reserve	848
show hardware qos ing-pg-no-min	849
show hardware qos ing-pg-share	850
show hardware qos min-buffer	851
show hardware qos ns-buffer-profile	852
show hardware qos ns-mcq3-alias	853
show hardware rate-limiter	854
show hardware rate-limiter	856
show hardware rate-limiter span-egress	858
show hardware vxlan storm-control	859
show hostname	860
show hosts	861
show hsrp	863
show hsrp anycast	867
show hsrp anycast interface vlan	868
show hsrp anycast remote-db	869
show hsrp anycast summary	870
show hsrp bfd-sessions	871
show hsrp delay	873
show hsrp mgo	874
show hsrp summary	875

CHAPTER 10**I Show Commands 877**

show icam entries acl module inst	888
show icam health	890
show icam prediction entries acl module inst	891

show icam prediction scale	893
show icam scale	900
show icam system	907
show ieth-header-decode	909
show inband-telemetry exporter	910
show inband-telemetry flow-profile	911
show inband-telemetry monitor	912
show inband-telemetry queue-profile	913
show inband-telemetry record	914
show inband-telemetry sessions	915
show inband-telemetry watchlist	916
show incompatibility-all system	917
show incompatibility system	918
show install	919
show install all failed-standby	920
show install all failure-reason	921
show install all impact	922
show install all impact epld	923
show install all progress	924
show install all status	925
show install all time-stats	927
show install epld status	928
show install log	929
show install mode	930
show install packages	931
show install patches	932
show interface	933
show interface	938
show interface	943
show interface	952
show interface	956
show interface	977
show interface	981
show interface	983

show interface	989
show interface	991
show interface	993
show interface aggregate-counters	997
show interface aggregate-counters	1000
show interface bbcredit	1003
show interface brief	1004
show interface brief	1005
show interface brief	1014
show interface brief	1015
show interface brief	1018
show interface brief	1019
show interface brief	1021
show interface brief	1022
show interface brief	1023
show interface cable-diagnostics-tdr	1024
show interface capabilities	1025
show interface capabilities	1027
show interface capabilities	1029
show interface chassis-info	1031
show interface chassis-info detail	1033
show interface counters	1035
show interface counters	1037
show interface counters	1041
show interface counters	1042
show interface counters	1045
show interface counters	1048
show interface counters	1050
show interface counters	1052
show interface counters brief	1053
show interface counters brief	1055
show interface counters detailed	1057
show interface counters detailed	1059
show interface counters detailed	1071

show interface counters detailed	1074
show interface counters detailed all	1081
show interface counters detailed all	1082
show interface counters detailed all	1083
show interface counters detailed all	1086
show interface counters detailed all	1088
show interface counters detailed cached	1097
show interface counters details	1105
show interface counters details	1109
show interface counters errors	1110
show interface counters errors	1112
show interface counters errors	1114
show interface counters fc	1115
show interface counters snmp	1119
show interface counters snmp	1122
show interface counters storm-control	1124
show interface counters storm-control	1125
show interface counters storm-control multi-threshold	1126
show interface counters table	1128
show interface counters table verbose	1129
show interface counters trunk	1130
show interface dampening	1131
show interface debounce	1132
show interface debounce	1133
show interface description	1134
show interface description	1135
show interface description	1136
show interface description	1137
show interface description	1138
show interface description	1139
show interface description	1140
show interface description	1141
show interface detail-counters	1142
show interface fcoe	1146

show interface fec	1147
show interface flowcontrol	1148
show interface flowcontrol	1149
show interface hardware-mappings	1150
show interface mac-address	1151
show interface mac-address	1152
show interface priority-flow-control	1153
show interface private-vlan mapping	1154
show interface pruning	1155
show interface queuing-drop history brief	1156
show interface queuing-drop history detail	1157
show interface server-info interface	1158
show interface snmp-ifindex	1159
show interface status	1160
show interface status	1161
show interface status	1162
show interface status	1164
show interface status	1165
show interface status	1166
show interface status	1167
show interface status err-disabled	1168
show interface status err-disabled	1169
show interface status err-vlans	1170
show interface status err-vlans	1171
show interface storm-control multi-threshold	1172
show interface switchport	1173
show interface switchport	1175
show interface switchport backup	1177
show interface transceiver	1179
show interface transceiver	1189
show interface transceiver	1193
show interface transceiver fex-fabric	1203
show interface transceiver fex-fabric	1210
show interface trunk	1212

show interface trunk	1214
show interface trunk vsan	1216
show interface trunk vsan	1217
show interface untagged-cos	1218
show interface vlan mapping	1219
show inventory	1220
show ip adjacency	1221
show ip amt relay	1224
show ip amt route	1225
show ip amt tunnel	1226
show ip arp	1228
show ip arp anycast topo-info	1230
show ip arp client	1231
show ip arp controller-statistics	1232
show ip arp inspection	1233
show ip arp inspection interfaces	1234
show ip arp inspection log	1235
show ip arp inspection statistics	1236
show ip arp inspection vlan	1237
show ip arp l2 statistics interface	1238
show ip arp multihoming-statistics	1239
show ip arp off-list	1241
show ip arp open-flow error-statistics	1242
show ip arp statistics	1244
show ip arp suppression-cache	1249
show ip arp suppression topo-info	1252
show ip arp tunnel-statistics	1253
show ip arp vpc-statistics	1255
show ip as-path-access-list	1258
show ip client	1259
show ip community-list	1260
show ip dhcp global statistics	1261
show ip dhcp option82 suboption info interface	1263
show ip dhcp relay	1264

show ip dhcp relay address	1266
show ip dhcp relay information trusted-sources	1267
show ip dhcp relay statistics	1268
show ip dhcp snooping	1272
show ip dhcp snooping binding	1273
show ip dhcp snooping statistics	1274
show ip dhcp status	1275
show ip dns source-interface	1276
show ip dns source-interface vrf all	1277
show ip eigrp	1278
show ip eigrp accounting	1282
show ip eigrp interfaces	1284
show ip eigrp traffic	1287
show ip extcommunity-list	1289
show ip fib distribution	1290
show ip fib distribution clients	1291
show ip fib distribution mroute	1292
show ip fib distribution multicast	1294
show ip fib distribution state	1295
show ip fib mroute	1296
show ip fib route	1298
show ip ftp source-interface	1300
show ip ftp source-interface vrf all	1301
show ip http source-interface	1302
show ip http source-interface vrf all	1303
show ip igmp groups	1304
show ip igmp interface	1306
show ip igmp local-groups	1310
show ip igmp policy statistics reports	1312
show ip igmp snooping	1313
show ip igmp snooping explicit-tracking	1315
show ip igmp snooping filter details	1317
show ip igmp snooping groups	1318
show ip igmp snooping lookup-mode	1321

show ip igmp snooping mac-oif	1322
show ip igmp snooping mrouter	1323
show ip igmp snooping otv vlan brief	1325
show ip igmp snooping pw vlan brief	1326
show ip igmp snooping querier	1327
show ip igmp snooping report statistics	1329
show ip igmp snooping statistics	1330
show ip igmp vrf all	1334
show ip interface	1335
show ip large-community-list	1340
show ip lisp	1341
show ip lisp data-cache	1342
show ip lisp locator-hash	1343
show ip lisp map-cache	1344
show ip lisp statistics	1345
show ip lisp translate-cache	1346
show ip load-sharing	1347
show ip local policy	1348
show ip logging	1349
show ip mbgp	1350
show ip mbgp	1351
show ip mbgp community	1353
show ip mbgp dampening	1354
show ip mbgp extcommunity	1355
show ip mbgp flap-statistics	1356
show ip mbgp neighbors	1357
show ip mbgp nexthop-database	1359
show ip mbgp nexthop	1360
show ip mbgp prefix-list	1361
show ip mbgp received-paths	1362
show ip mroute	1363
show ip msdp count	1369
show ip msdp mesh-group	1370
show ip msdp peer	1371

show ip msdp policy statistics sa-policy in	1374
show ip msdp rpf	1376
show ip msdp sa	1378
show ip msdp sources	1380
show ip msdp statistics	1381
show ip msdp summary	1383
show ip multicast vrf	1385
show ip nat-alias	1387
show ip nat max	1388
show ip nat statistics	1389
show ip nat timeout	1392
show ip nat translations	1393
show ip ospf	1395
show ip ospf border-routers	1400
show ip ospf database	1402
show ip ospf database database-summary	1405
show ip ospf database detail	1407
show ip ospf interface	1413
show ip ospf interface brief	1416
show ip ospf lsa-content-changed-list	1418
show ip ospf neighbors	1420
show ip ospf neighbors detail	1422
show ip ospf neighbors summary	1425
show ip ospf request-list	1427
show ip ospf retransmission-list	1429
show ip ospf route	1431
show ip ospf route summary	1433
show ip ospf segment-routing adj-sid-database	1435
show ip ospf segment-routing global-block	1436
show ip ospf segment-routing sid-database	1437
show ip ospf sham-links	1439
show ip ospf sham-links brief	1443
show ip ospf statistics	1444
show ip ospf summary-address	1448

show ip ospf traffic	1449
show ip ospf virtual-links	1453
show ip ospf virtual-links brief	1457
show ip pim config-sanity	1458
show ip pim df	1460
show ip pim fabric info	1462
show ip pim fabric legacy-vlans	1463
show ip pim group-range	1464
show ip pim host-proxy	1465
show ip pim interface	1466
show ip pim mdt	1470
show ip pim mdt bgp	1472
show ip pim mdt history interval	1473
show ip pim mdt receive	1474
show ip pim mdt send	1475
show ip pim neighbor	1476
show ip pim oif-list	1477
show ip pim policy statistics	1479
show ip pim policy statistics jp	1481
show ip pim route	1482
show ip pim rp-hash	1484
show ip pim rp	1485
show ip pim statistics	1488
show ip pim vrf	1490
show ip ping source-interface	1491
show ip ping source-interface vrf all	1492
show ip policy	1493
show ip prefix-list	1494
show ip process	1495
show ip rip	1497
show ip rip interface	1499
show ip rip neighbor	1501
show ip rip policy statistics redistribute	1503
show ip rip route	1505

show ip rip statistics 1507

show ip route 1509

show ip sla application 1513

show ip sla configuration 1514

show ip sla enhanced-history collection-statistics 1518

show ip sla enhanced-history distribution-statistics 1522

show ip sla group schedule 1523

show ip sla history 1524

show ip sla reaction-configuration 1526

show ip sla reaction-trigger 1527

show ip sla responder 1528

show ip sla statistics 1530

show ip sla twamp connection detail 1536

show ip sla twamp connection requests 1537

show ip sla twamp session 1538

show ip sla twamp standards 1539

show ip ssh source-interface 1540

show ip ssh source-interface vrf all 1541

show ip static-route 1542

show ip tcp mss 1544

show ip telnet source-interface 1545

show ip telnet source-interface vrf all 1546

show ip tftp source-interface 1547

show ip tftp source-interface vrf all 1548

show ip traceroute source-interface 1549

show ip traceroute source-interface vrf all 1550

show ip traffic 1551

show ip traffic pps 1558

show ip udp relay 1559

show ip udp relay interface 1560

show ip udp relay object-group 1561

show ip verify source 1562

show ipt details 1563

show ipv6 adjacency 1564

show ipv6 adjacency aggregate-prefix	1567
show ipv6 adjacency subnet-prefix	1568
show ipv6 amt tunnel	1569
show ipv6 bgp	1571
show ipv6 bgp	1572
show ipv6 bgp community	1573
show ipv6 bgp dampening	1574
show ipv6 bgp extcommunity	1575
show ipv6 bgp flap-statistics	1576
show ipv6 bgp neighbors	1577
show ipv6 bgp nexthop-database	1578
show ipv6 bgp nexthop	1579
show ipv6 bgp received-paths	1580
show ipv6 bgp regexp	1581
show ipv6 bgp summary	1582
show ipv6 client	1583
show ipv6 dhcp guard policy	1585
show ipv6 dhcp relay	1586
show ipv6 dhcp relay prefix-delegation	1588
show ipv6 dhcp relay prefix-delegation detail	1589
show ipv6 dhcp relay statistics	1590
show ipv6 fragments	1594
show ipv6 icmp	1595
show ipv6 icmp global traffic	1597
show ipv6 icmp interface	1600
show ipv6 icmp l2 statistics	1605
show ipv6 icmp nd local-proxy stats	1606
show ipv6 icmp off-list	1607
show ipv6 icmp vaddr	1608
show ipv6 icmp vpc-statistics	1612
show ipv6 interface	1615
show ipv6 lisp data-cache	1620
show ipv6 local policy	1621
show ipv6 mld global traffic	1622

show ipv6 mld groups	1623
show ipv6 mld interface	1625
show ipv6 mld local-groups	1629
show ipv6 mld snooping	1631
show ipv6 mld snooping explicit-tracking	1633
show ipv6 mld snooping filter details	1635
show ipv6 mld snooping groups	1636
show ipv6 mld snooping lookup-mode	1639
show ipv6 mld snooping mrouter	1640
show ipv6 mld snooping otv vlan brief	1642
show ipv6 mld snooping pw vlan brief	1643
show ipv6 mld snooping querier	1644
show ipv6 mld snooping report statistics	1646
show ipv6 mld snooping statistics	1647
show ipv6 mroute	1651
show ipv6 mtu	1656
show ipv6 multicast vrf	1658
show ipv6 nd ra dns search-list	1660
show ipv6 nd ra dns server	1661
show ipv6 nd rguard policy	1663
show ipv6 nd suppression-cache	1664
show ipv6 neighbor binding	1666
show ipv6 neighbor binding mac	1667
show ipv6 neighbor static	1668
show ipv6 pim df	1669
show ipv6 pim fabric info	1671
show ipv6 pim fabric legacy-vlans	1672
show ipv6 pim group-range	1673
show ipv6 pim interface	1674
show ipv6 pim mdt	1678
show ipv6 pim mdt bgp	1680
show ipv6 pim mdt history interval	1681
show ipv6 pim mdt receive	1682
show ipv6 pim mdt send	1683

show ipv6 pim neighbor	1684
show ipv6 pim oif-list	1685
show ipv6 pim policy statistics jp	1687
show ipv6 pim route	1688
show ipv6 pim rp-hash	1690
show ipv6 pim rp	1691
show ipv6 pim statistics	1694
show ipv6 pim vrf	1696
show ipv6 policy	1697
show ipv6 prefix-list	1698
show ipv6 process	1699
show ipv6 rguard statistics	1701
show ipv6 rip policy statistics redistribute	1702
show ipv6 route	1704
show ipv6 routers	1707
show ipv6 snooping capture-policy	1709
show ipv6 snooping counters vlan	1710
show ipv6 snooping events	1712
show ipv6 snooping features	1713
show ipv6 snooping messages	1714
show ipv6 snooping policies	1715
show ipv6 snooping policy	1716
show ipv6 snooping pss database	1718
show ipv6 static-route	1719
show ipv6 traffic	1721
show isis	1724
show isis adjacency	1728
show isis csnp	1731
show isis database	1733
show isis distribute-ls	1738
show isis dynamic-flooding	1742
show isis interface	1744
show isis ipv6 redistribute route	1750
show isis ipv6 route	1752

show isis ipv6 summary-address	1756
show isis lslib	1758
show isis mesh-group	1760
show isis redistribute route	1761
show isis route	1763
show isis rrm	1767
show isis segment-routing mapcache	1769
show isis segment-routing remote-srgb	1771
show isis segment-routing sids	1773
show isis segment-routing srv6	1774
show isis segment-routing srv6 locators	1775
show isis spf-log	1777
show isis srm	1779
show isis ssn	1780
show isis statistics	1781
show isis summary-address	1782
show isis topology	1784
show isis traffic	1786
show itd	1790
show itd session device-group	1795
show itd statistics	1796
show itd vrf	1798
show itu channel	1799

CHAPTER 11**K Show Commands** 1801

show key chain	1802
show key chain mode decrypt	1803
show keystore	1804
show kim inconsistency	1805
show kubernetes containers	1806

CHAPTER 12**L Show Commands** 1807

show l2 mroute	1814
show l2 multicast ftag	1816

show l2 multicast trees	1817
show l2 route	1819
show l2rib clients	1821
show l2rib producers	1822
show l2rib registrations	1824
show l2route cmcast topology	1826
show l2route evpn ead all	1827
show l2route evpn ethernet-segment esi	1828
show l2route evpn fl all	1829
show l2route evpn fl evi	1830
show l2route evpn imet all	1831
show l2route evpn imet evi	1832
show l2route evpn mac-ip all	1834
show l2route evpn mac-ip evi	1836
show l2route evpn mac all	1838
show l2route evpn mac evi	1840
show l2route evpn path-list all	1842
show l2route evpn startup-route all	1843
show l2route evpn startup-route evi	1844
show l2route evpn topo-child-attr all	1845
show l2route evpn topo-child-attr evi	1846
show l2route fl topology	1847
show l2route peerid	1848
show l2route summary	1849
show l2route topology	1850
show l2route topology	1852
show l2route topology	1854
show lacp counters	1856
show lacp interface	1857
show lacp issu-impact	1860
show lacp neighbor	1861
show lacp port-channel	1862
show lacp system-identifier	1863
show lcmd dot1x address	1864

show lcmd dot1x port	1865
show lcmd stats interface	1866
show ldap-search-map	1867
show ldap-server	1868
show ldap-server groups	1870
show ldap-server statistics	1872
show license	1874
show license all	1875
show license certs	1878
show license data conversion	1879
show license eventlog	1880
show license history message	1881
show license host-id	1882
show license status	1883
show license summary	1886
show license tech support	1887
show license udi	1888
show license usage	1889
show license version	1891
show line	1892
show line console	1893
show line console connected	1894
show line console user-input-string	1895
show lisp ddt	1896
show lisp ddt queue	1897
show lisp ddt referral-cache	1898
show lisp dynamic-eid	1899
show lisp elp	1900
show lisp negative-prefix	1901
show lisp proxy-itr	1902
show lisp site	1903
show lisp site instance-id	1904
show lldp all	1905
show lldp dcba interface	1906

show lldp entry	1908
show lldp interface	1910
show lldp neighbors	1912
show lldp neighbors detail	1914
show lldp neighbors system-detail	1916
show lldp poe interface	1917
show lldp portid-subtype	1918
show lldp timers	1919
show lldp tlv-select	1920
show lldp traffic	1922
show lldp traffic interface	1923
show lldp traffic interface all	1924
show locator-led status	1925
show logging	1926
show logging console	1927
show logging dropcount	1928
show logging history	1929
show logging info	1930
show logging ip access-list cache	1932
show logging ip access-list status	1934
show logging last	1935
show logging level	1936
show logging level	1937
show logging level aaa	1939
show logging level acl	1940
show logging level acllog	1941
show logging level aclmgr	1942
show logging level adbm	1943
show logging level adjmgr	1944
show logging level amt	1945
show logging level arp	1946
show logging level ascii-cfg	1947
show logging level assoc_mgr	1948
show logging level backup	1949

show logging level bfd	1950
show logging level bgp	1951
show logging level bloggerd	1952
show logging level bootvar	1953
show logging level callhome	1954
show logging level capability	1955
show logging level cdp	1956
show logging level cert_enroll	1957
show logging level cfs	1958
show logging level clis	1959
show logging level clk_mgr	1960
show logging level confcheck	1961
show logging level copp	1962
show logging level core-dmon	1963
show logging level cts	1964
show logging level device-alias	1965
show logging level dhclient	1966
show logging level dhcp_snoop	1967
show logging level diagnostic diag_port_lb	1968
show logging level diagnostic diagclient	1969
show logging level diagnostic diagmgr	1970
show logging level dot1x	1971
show logging level dpvm	1972
show logging level ecp	1973
show logging level eigrp	1974
show logging level eltm	1975
show logging level epbr	1976
show logging level epp	1977
show logging level ethdstats	1978
show logging level ethpm	1979
show logging level evb	1980
show logging level evmc	1981
show logging level evmed	1982
show logging level evms	1983

[show logging level fabric forwarding](#) 1984

[show logging level fabricpath isis](#) 1985

[show logging level fabricpath switch-id](#) 1986

[show logging level fc2d](#) 1987

[show logging level fcdomain](#) 1988

[show logging level fcns](#) 1989

[show logging level fcoe_mgr](#) 1990

[show logging level fcs](#) 1991

[show logging level fdmi](#) 1992

[show logging level feature-mgr](#) 1993

[show logging level flogi](#) 1994

[show logging level fs-daemon](#) 1995

[show logging level fspf](#) 1996

[show logging level fsync_mgr](#) 1997

[show logging level gpixm](#) 1998

[show logging level hardware-telemetry](#) 1999

[show logging level hsrp](#) 2000

[show logging level icam](#) 2001

[show logging level igmp](#) 2002

[show logging level im](#) 2003

[show logging level imp](#) 2004

[show logging level interface-vlan](#) 2005

[show logging level ip sla responder](#) 2006

[show logging level ip sla sender](#) 2007

[show logging level ip sla twamp-server](#) 2008

[show logging level ipconf](#) 2009

[show logging level ipfib](#) 2010

[show logging level ipqos](#) 2011

[show logging level ipv6 icmp](#) 2012

[show logging level ipv6 mfwd](#) 2013

[show logging level ipv6 pim](#) 2014

[show logging level iscm](#) 2015

[show logging level iscm](#) 2016

[show logging level isis](#) 2017

show logging level l2fm	2018
show logging level l3vm	2019
show logging level lacp	2020
show logging level ldap	2021
show logging level lim	2022
show logging level lisp	2023
show logging level lldp	2024
show logging level m2rib	2025
show logging level mfdm	2026
show logging level mfwd	2027
show logging level mld	2028
show logging level mmode	2029
show logging level module	2030
show logging level monitor	2031
show logging level mpls manager	2032
show logging level mpls switching	2033
show logging level msdp	2034
show logging level mvsh	2035
show logging level nat	2036
show logging level nbm	2037
show logging level netstack	2038
show logging level nfm	2039
show logging level ngmvpn	2040
show logging level ngoam	2041
show logging level npv	2042
show logging level ntp	2043
show logging level nve	2044
show logging level nxsdk	2045
show logging level ofm	2046
show logging level openflow	2047
show logging level ospf	2048
show logging level ospfv3	2049
show logging level otv isis	2050
show logging level pfstat	2051

show logging level pim	2052
show logging level pixm	2053
show logging level pktmgr	2054
show logging level platform	2055
show logging level plcmgr	2056
show logging level pltfm_config	2057
show logging level pltm	2058
show logging level plugin	2059
show logging level poed	2060
show logging level port-channel	2061
show logging level port-profile	2062
show logging level port-resources	2063
show logging level port-security	2064
show logging level port	2065
show logging level private-vlan	2066
show logging level ptp	2067
show logging level radius	2068
show logging level rdl	2069
show logging level res_mgr	2070
show logging level rib	2071
show logging level rip	2072
show logging level routing ipv6 multicast	2073
show logging level routing multicast	2074
show logging level rpm	2075
show logging level rscn	2076
show logging level sal	2077
show logging level san-port-channel	2078
show logging level san-port-channel	2079
show logging level scheduler	2080
show logging level scsi-target	2081
show logging level security	2082
show logging level segment-routing	2083
show logging level session-mgr	2084
show logging level sflow	2085

show logging level smm	2086
show logging level snmpd	2087
show logging level snmpmib_proc	2088
show logging level spanning-tree	2089
show logging level spm	2090
show logging level stripcl	2091
show logging level syncc	2092
show logging level sysmgr	2093
show logging level tacacs	2094
show logging level telemetry	2095
show logging level template_manager	2096
show logging level track	2097
show logging level tunnel-encryption	2098
show logging level tunnel	2099
show logging level u2rib	2100
show logging level u6rib	2101
show logging level udld	2102
show logging level ufdm	2103
show logging level urib	2104
show logging level vdc_mgr	2105
show logging level virtual-service	2106
show logging level vlan_mgr	2107
show logging level vmm	2108
show logging level vmtracker	2109
show logging level vpc	2110
show logging level vrrp-cfg	2111
show logging level vrrp-eng	2112
show logging level vrrpv3	2113
show logging level vsan	2114
show logging level vshd	2115
show logging level vtp	2116
show logging level wwn	2117
show logging level xbar	2118
show logging level zone	2119

show logging logfile	2120
show logging logfile duration	2121
show logging logfile last-index	2122
show logging logfile start-seqn	2123
show logging logfile start-time	2124
show logging loopback	2125
show logging module	2126
show logging monitor	2127
show logging nvram	2128
show logging onboard	2129
show logging onboard	2130
show logging onboard kernel-trace	2133
show logging origin-id	2134
show logging pending-diff	2135
show logging pending	2136
show logging rate-limit	2137
show logging rfc-strict	2138
show logging server	2139
show logging session status	2140
show logging source-interface	2141
show logging status	2142
show logging timestamp	2143
show login on-failure log	2144
show login on-successful log	2145

CHAPTER 13**M Show Commands 2147**

show mac-list	2149
show mac-move policy	2150
show mac address-table	2151
show mac address-table	2153
show mac address-table aging-time	2155
show mac address-table count	2156
show mac address-table count es	2158
show mac address-table limit	2159

show mac address-table limit user-defined	2160
show mac address-table loop-detect	2161
show mac address-table multicast	2162
show mac address-table notification mac-move	2163
show macsec mka	2164
show macsec mka session	2165
show macsec mka statistics	2168
show macsec policy	2173
show macsec secy statistics	2174
show maintenance maint-delay	2178
show maintenance on-reload reset-reasons	2179
show maintenance profile	2180
show maintenance snapshot-delay	2181
show maintenance timeout	2182
show mcast	2183
show mdns-sd cache	2184
show mdns-sd controller detail	2186
show mdns-sd controller export-summary	2188
show mdns-sd controller service-list	2189
show mdns-sd controller service-policy	2190
show mdns-sd controller statistics	2191
show mdns-sd controller summary	2192
show mdns-sd filter-results	2193
show mdns-sd service-definition	2194
show mdns-sd service-list	2195
show mdns-sd service-policy	2196
show mdns-sd statistics global	2197
show mdns-sd statistics raw-stats	2199
show mdns-sd summary	2200
show mdns-sd summary vlan	2201
show module	2202
show module bandwidth-fairness	2205
show module port type	2206
show module uptime	2207

show monitor	2208
show monitor session	2209
show mpls extended-ecmp	2213
show mpls forwarding statistics	2214
show mpls interfaces	2216
show mpls interfaces detail	2217
show mpls interfaces statistics	2218
show mpls ip bindings	2219
show mpls ip bindings summary	2222
show mpls ip ttl	2223
show mpls label range	2224
show mpls load-sharing	2225
show mpls oam echo statistics	2226
show mpls static binding	2228
show mpls strip labels	2230
show mpls switching	2231
show mpls switching clients	2235
show mts-buildup check	2237
show mvpn bgp mdt	2238
show mvpn bgp mdt	2239
show mvpn mdt encap	2240
show mvpn mdt encap	2241
show mvpn mdt route	2242
show mvpn mdt route	2243
show mvr	2244
show mvr groups	2245
show mvr interface	2246
show mvr members	2247
show mvr members count	2248
show mvr members vlan	2249
show mvr receiver-ports	2250
show mvr source-ports	2251

show nat itd	2255
show nbm defaults	2256
show nbm flow-policy	2258
show nbm flows	2260
show nbm flows pending-stitch	2264
show nbm flows static	2265
show nbm flows statistics	2267
show nbm flows summary	2269
show nbm host-policy all	2270
show nbm host-policy applied receiver	2272
show nbm host-policy applied sender	2274
show nbm info shm table flow-detail vrf	2276
show nbm interface bandwidth	2278
show ngoam interface statistics	2280
show ngoam loop-detection status	2281
show ngoam loop-detection summary	2282
show ngoam loopback	2283
show ngoam pathtrace	2285
show ngoam probe	2289
show ngoam traceroute statistics	2291
show ngoam xconnect session	2293
show npiv status	2295
show npv external-interface-usage	2296
show npv flogi-table	2297
show npv status	2298
show npv traffic-map	2300
show ntp access-groups	2301
show ntp authentication-keys	2302
show ntp authentication-status	2303
show ntp information	2304
show ntp logging-status	2305
show ntp peer-status	2306
show ntp peers	2307
show ntp rts-update	2308

show ntp session status	2309
show ntp source-interface	2310
show ntp source	2311
show ntp statistics	2312
show ntp status	2315
show ntp trusted-keys	2316
show nve adjacency mpls	2317
show nve bfd neighbors	2318
show nve core-links	2319
show nve ethernet-segment	2320
show nve evi	2322
show nve interface	2323
show nve mpls	2325
show nve multisite dci-links	2326
show nve multisite fabric-links	2327
show nve peers	2328
show nve peers interface counters	2330
show nve peers mpls	2331
show nve peers vni interface counters	2332
show nve replication-servers	2333
show nve vni	2334
show nve vni counters	2336
show nve vni ingress-replication	2337
show nve vni peer-vtep	2338
show nve vrf	2339
show nve vxlan-params	2340
show nxapi-server logs	2341
show nxapi	2342

CHAPTER 15
O Show Commands 2343

show object-group	2345
show openflow hardware capabilities	2346
show openflow switch	2347
show openflow switch flows	2348

show ospfv3	2349
show ospfv3 border-routers	2354
show ospfv3 database	2356
show ospfv3 database database-summary	2359
show ospfv3 database detail	2361
show ospfv3 interface	2366
show ospfv3 interface brief	2369
show ospfv3 neighbors	2371
show ospfv3 neighbors detail	2373
show ospfv3 neighbors summary	2376
show ospfv3 request-list	2378
show ospfv3 retransmission-list	2380
show ospfv3 route	2382
show ospfv3 route summary	2384
show ospfv3 statistics	2386
show ospfv3 summary-address	2390
show ospfv3 traffic	2391
show ospfv3 virtual-links	2395
show ospfv3 virtual-links brief	2399
show otv isis	2400
show otv isis active-source	2403
show otv isis adjacency	2405
show otv isis aed-svr-req local	2407
show otv isis database	2409
show otv isis ed-summary local	2414
show otv isis ed-summary remote	2415
show otv isis fast-flood	2417
show otv isis hostname	2418
show otv isis interface	2419
show otv isis ip mroute	2424
show otv isis ip redistribute mroute	2426
show otv isis redistribute route	2428
show otv isis route-map statistics	2429
show otv isis route	2430

show otv isis rrm	2433
show otv isis site-index	2435
show otv isis site	2436
show otv isis spf-log	2439
show otv isis srm	2441
show otv isis ssn	2443
show otv isis statistics	2445
show otv isis track-adjacency-nexthop	2446
show otv isis traffic	2447
show otv isis vlan-status local	2449

CHAPTER 16
P Show Commands 2451

show param-list	2454
show password secure-mode	2455
show password strength-check	2456
show pie broker	2457
show pie envmon	2458
show pie eventdb	2459
show pie eventid	2461
show pie interface	2462
show platform vnic info	2463
show platform vnic mapped	2464
show pmap-int-br interface br	2465
show pmap-int	2466
show pnp lease	2467
show pnp posix_pi configs	2468
show pnp posix_pi tech-support	2469
show pnp profiles	2470
show pnp status	2471
show pnp summary	2472
show pnp version	2473
show policy-map	2474
show policy-map interface control-plane	2479
show policy-map system	2482

show policy-map type control-plane	2487
show policy-map type network-qos	2490
show port-channel capacity	2492
show port-channel compatibility-parameters	2493
show port-channel database	2494
show port-channel fast-convergence	2496
show port-channel load-balance	2497
show port-channel load-balance forwarding-path1 interface src-interface	2499
show port-channel load-balance forwarding-path interface	2501
show port-channel load-balance hardware forwarding-path interface source	2503
show port-channel rbh-distribution	2505
show port-channel scale-fanout	2506
show port-channel summary	2507
show port-channel traffic	2508
show port-channel usage	2509
show port-license	2510
show port-profile	2511
show port-profile brief	2513
show port-profile expand-interface	2514
show port-profile sync-status	2515
show port-profile usage	2516
show port-security	2517
show port-security address	2518
show port-security address interface	2519
show port-security interface	2520
show port-security state	2521
show port led-status module	2522
show port naming	2523
show postcard-telemetry exporter	2524
show postcard-telemetry flow-profile	2525
show postcard-telemetry monitor	2526
show postcard-telemetry queue-profile	2527
show postcard-telemetry sessions	2528
show postcard-telemetry watchlist	2529

show power inline	2530
show power inline	2531
show power inline detail	2532
show power inline police	2534
show power inline priority	2535
show processes	2536
show processes cpu	2537
show processes cpu history	2538
show processes cpu history data	2539
show processes cpu module	2540
show processes log	2541
show processes log details	2542
show processes log pid	2543
show processes log vdc-all	2544
show processes memory	2545
show processes memory physical	2546
show processes memory shared	2547
show processes vdc	2550
show processes vdc cpu	2551
show processes vdc log	2552
show processes vdc log details	2553
show processes vdc log pid	2554
show processes vdc memory	2555
show pss debug	2556
show ptp brief	2557
show ptp clock	2558
show ptp clock foreign-masters record	2560
show ptp corrections	2561
show ptp cost	2562
show ptp counters interface	2563
show ptp delay summary	2564
show ptp domain data	2565
show ptp interface domain	2566
show ptp packet-trace	2567

show ptp parent 2568
show ptp port interface 2569
show ptp time-property 2571
show ptp unicast-negotiation 2572

CHAPTER 17**Q Show Commands 2573**

show qos dcbxp incompatibility interface 2574
show qos dcbxp info 2576
show qos dcbxp interface 2577
show qos shared-policer 2579
show queuing 2581
show queuing burst-detect 2584
show queuing llfc-queue 2586
show queuing pfc-queue 2587
show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex 2589
show queuing pfc-queue snmp ifIndex 2591
show queuing tabular 2592
show queuing tah-pfc-queue 2594

CHAPTER 18**R Show Commands 2595**

show radius-cfs 2600
show radius-server 2601
show radius-server 2603
show radius-server directed-request 2604
show radius-server groups 2605
show radius-server sorted 2606
show radius-server statistics 2608
show radius status 2610
show redundancy status 2611
show regexp 2613
show reload 2614
show resource 2615
show rmon 2616
show role 2618

show role feature-group	2620
show role feature	2621
show role status	2622
show rollback log exec	2623
show rollback status	2624
show route-map	2625
show route-map brief	2626
show route-map dynamic	2627
show route-map pbr-statistics	2628
show router-guard	2629
show router-guard	2630
show routing-context	2631
show routing	2632
show routing clients	2636
show routing hash	2638
show routing hidden-nh	2641
show routing ipv6	2642
show routing ipv6 clients	2645
show routing ipv6 hash	2649
show routing ipv6 hidden-nh	2652
show routing ipv6 memory estimate	2653
show routing ipv6 memory statistics	2655
show routing ipv6 multicast clients	2657
show routing ipv6 multicast lisp encap	2661
show routing ipv6 multicast mdt encapsulation	2662
show routing ipv6 multicast memory estimate	2663
show routing ipv6 multicast sr	2665
show routing ipv6 nhlfe	2667
show routing ipv6 recursive-next-hop	2669
show routing memory estimate	2670
show routing memory statistics	2672
show routing multicast clients	2674
show routing multicast lisp encap	2678
show routing multicast mdt encapsulation	2679

show routing multicast memory estimate	2681
show routing multicast sr	2683
show routing nhlfe	2685
show routing recursive-next-hop	2687
show routing vxlan-hash peer-ip	2689
show routing vxlan-hash peer-ipv6	2690
show rscn event-tov vsan	2691
show rscn pending-diff vsan	2692
show rscn pending vsan	2693
show rscn scr-table	2694
show rscn session status vsan	2695
show rscn statistics	2696
show running-config	2697
show running-config aaa	2698
show running-config acllog	2699
show running-config aclmgr	2700
show running-config adjmgr	2701
show running-config all	2702
show running-config arp	2703
show running-config assoc	2704
show running-config backup	2705
show running-config bfd	2706
show running-config bgp	2707
show running-config bloggerd	2708
show running-config callhome	2709
show running-config cdp	2710
show running-config cert-enroll	2711
show running-config cfs	2712
show running-config clock_manager	2713
show running-config config-profile	2714
show running-config controller	2715
show running-config copp	2716
show running-config dhcp	2717
show running-config diagnostic	2718

show running-config diff	2719
show running-config dot1x	2720
show running-config ecp	2721
show running-config eem	2722
show running-config eigrp	2723
show running-config eltm	2724
show running-config epbr	2725
show running-config evb	2726
show running-config exclude	2727
show running-config expand-port-profile	2728
show running-config fabric forwarding	2729
show running-config fabric multicast	2730
show running-config fabricpath	2731
show running-config fabricpath domain default	2732
show running-config fabricpath switch-id	2733
show running-config fabricpath topology	2734
show running-config fcoe_mgr	2735
show running-config fsync_mgr	2736
show running-config hardware-telemetry	2737
show running-config hsrp	2738
show running-config icam	2739
show running-config icmpv6	2740
show running-config igmp	2741
show running-config imp	2742
show running-config interface	2743
show running-config interface	2744
show running-config ip	2745
show running-config ipqos	2746
show running-config ipv6	2747
show running-config isis	2748
show running-config l3vm	2749
show running-config ldap	2750
show running-config license	2751
show running-config lisp	2752

show running-config lldp	2753
show running-config macsec	2754
show running-config mdns	2755
show running-config mfwd	2756
show running-config mfwdv6	2757
show running-config mld	2758
show running-config mmode	2759
show running-config monitor	2760
show running-config mpls static	2761
show running-config mpls strip	2762
show running-config msdp	2763
show running-config nat	2764
show running-config nbm	2765
show running-config ngoam	2766
show running-config ntp	2767
show running-config nv overlay	2768
show running-config nxsdk	2769
show running-config ofm	2770
show running-config openconfig	2771
show running-config openflow	2772
show running-config ospf	2773
show running-config ospfv3	2774
show running-config otv-isis	2775
show running-config param-list	2776
show running-config pim	2777
show running-config pim6	2778
show running-config poe	2779
show running-config port-profile	2780
show running-config port-security	2781
show running-config ptp	2782
show running-config radius	2783
show running-config rip	2784
show running-config routing ip multicast	2785
show running-config routing ipv6 multicast	2786

show running-config rpm	2787
show running-config scheduler	2788
show running-config section	2789
show running-config security	2790
show running-config segment-routing	2791
show running-config service-reflect	2792
show running-config services	2793
show running-config services	2794
show running-config sflow	2795
show running-config sla responder	2796
show running-config sla sender	2797
show running-config sla twamp-server	2798
show running-config snmp	2799
show running-config spanning-tree	2800
show running-config srte	2801
show running-config switch	2802
show running-config syncc	2803
show running-config tacacs	2804
show running-config telemetry	2805
show running-config track	2806
show running-config tunnel-encryption	2807
show running-config udd	2808
show running-config vdc-all	2809
show running-config vdc	2810
show running-config virtual-service	2811
show running-config vlan	2812
show running-config vlan	2813
show running-config vlan	2814
show running-config vmtracker	2815
show running-config vpc	2816
show running-config vrf	2817
show running-config vrf default	2818
show running-config vrrp	2819
show running-config vrrpv3	2820

show running-config vshd	2821
show running-config vtp	2822
show running-config wwnm	2823
show running-config zone	2824
show running-config zone vsan	2825

CHAPTER 19
S Show Commands 2827

show san-port-channel compatibility-parameters	2833
show san-port-channel consistency	2834
show san-port-channel consistency detail	2835
show san-port-channel database	2837
show san-port-channel summary	2839
show san-port-channel usage	2840
show scheduler config	2841
show scheduler job	2843
show scheduler logfile	2844
show scheduler schedule	2845
show segment-routing	2846
show segment-routing clients	2847
show segment-routing ipv4 connected-prefix-sid-map	2848
show segment-routing mpls	2849
show segment-routing mpls clients	2850
show segment-routing mpls ipv4 connected-prefix-sid-map	2851
show sflow	2852
show sflow statistics	2853
show snapshots	2854
show snapshots compare	2855
show snapshots compare ipv4routes	2857
show snapshots compare ipv6routes	2858
show snapshots compare summary	2859
show snapshots dump	2860
show snapshots dump	2861
show snapshots sections	2862
show snmp	2863

show snmp community	2866
show snmp context	2867
show snmp engineID	2868
show snmp group	2869
show snmp host	2870
show snmp nms-statistics	2871
show snmp oid-statistics	2872
show snmp sessions	2873
show snmp source-interface	2874
show snmp trap	2875
show snmp user	2876
show sockets client	2877
show sockets connection	2885
show sockets local-port-range	2888
show sockets ns-port-kiosk	2889
show sockets statistics	2890
show sockets tcp keychain binding	2900
show software authenticity file	2901
show software authenticity keys	2902
show spanning-tree	2903
show spanning-tree blockedports	2907
show spanning-tree bridge	2908
show spanning-tree inconsistentports	2910
show spanning-tree interface	2911
show spanning-tree interface	2914
show spanning-tree issu-impact	2915
show spanning-tree mst	2916
show spanning-tree mst configuration	2921
show spanning-tree mst configuration digest	2922
show spanning-tree mst interface	2923
show spanning-tree pathcost method	2926
show spanning-tree root	2927
show spanning-tree summary	2929
show spanning-tree summary totals	2932

show sprom	2934
show srte pce ipv4 peer	2943
show srte policy	2944
show srte policy fh	2946
show srte policy proactive-policy-monitoring	2947
show srte policy summary	2949
show srv6 clients	2951
show srv6 locator	2953
show srv6 manager	2954
show srv6 sid	2956
show srv6 sid counters	2957
show ssh key	2958
show ssh server	2959
show ssx details	2960
show ssx exporter	2961
show ssx monitor	2962
show ssx record	2963
show startup-config	2964
show startup-config	2965
show startup-config aaa	2966
show startup-config acllog	2967
show startup-config aclmgr	2968
show startup-config adjmgr	2969
show startup-config arp	2970
show startup-config assoc	2971
show startup-config backup	2972
show startup-config bfd	2973
show startup-config bgp	2974
show startup-config bloggerd	2975
show startup-config callhome	2976
show startup-config cdp	2977
show startup-config cert-enroll	2978
show startup-config cfs	2979
show startup-config config-profile	2980

show startup-config copp	2981
show startup-config dhcp	2982
show startup-config diagnostic	2983
show startup-config dot1x	2984
show startup-config ecp	2985
show startup-config eem	2986
show startup-config eigrp	2987
show startup-config eltm	2988
show startup-config epbr	2989
show startup-config evb	2990
show startup-config exclude	2991
show startup-config expand-port-profile	2992
show startup-config fabric forwarding	2993
show startup-config fabric multicast	2994
show startup-config fabricpath	2995
show startup-config fabricpath domain default	2996
show startup-config fabricpath switch-id	2997
show startup-config fabricpath topology	2998
show startup-config fcoe_mgr	2999
show startup-config fsync_mgr	3000
show startup-config glbp	3001
show startup-config hardware-telemetry	3002
show startup-config hsrp	3003
show startup-config icam	3004
show startup-config icmpv6	3005
show startup-config igmp	3006
show startup-config imp	3007
show startup-config interface	3008
show startup-config interface	3009
show startup-config ip	3010
show startup-config ipqos	3011
show startup-config ipv6	3012
show startup-config isis	3013
show startup-config l3vm	3014

show startup-config ldap	3015
show startup-config license	3016
show startup-config lisp	3017
show startup-config lldp	3018
show startup-config macsec	3019
show startup-config mdns	3020
show startup-config mfw	3021
show startup-config mfwv6	3022
show startup-config mld	3023
show startup-config mmode	3024
show startup-config monitor	3025
show startup-config mpls static	3026
show startup-config mpls strip	3027
show startup-config msdp	3028
show startup-config nat	3029
show startup-config nbm	3030
show startup-config ngoam	3031
show startup-config ntp	3032
show startup-config nv overlay	3033
show startup-config nxsdk	3034
show startup-config ofm	3035
show startup-config openconfig	3036
show startup-config openflow	3037
show startup-config ospf	3038
show startup-config ospfv3	3039
show startup-config otv-isis	3040
show startup-config param-list	3041
show startup-config pim	3042
show startup-config pim6	3043
show startup-config poe	3044
show startup-config port-profile	3045
show startup-config port-security	3046
show startup-config ptp	3047
show startup-config radius	3048

show startup-config rip	3049
show startup-config routing ip multicast	3050
show startup-config routing ipv6 multicast	3051
show startup-config rpm	3052
show startup-config scheduler	3053
show startup-config security	3054
show startup-config segment-routing	3055
show startup-config services	3056
show startup-config sflow	3057
show startup-config sla responder	3058
show startup-config sla sender	3059
show startup-config sla twamp-server	3060
show startup-config snmp	3061
show startup-config srte	3062
show startup-config switch	3063
show startup-config sync	3064
show startup-config tacacs	3065
show startup-config telemetry	3066
show startup-config track	3067
show startup-config tunnel-encryption	3068
show startup-config udd	3069
show startup-config vdc-all	3070
show startup-config vdc	3071
show startup-config virtual-service	3072
show startup-config vlan	3073
show startup-config vlt	3074
show startup-config vmtracker	3075
show startup-config vpc	3076
show startup-config vrf	3077
show startup-config vrf default	3078
show startup-config vrrpv3	3079
show startup-config vshd	3080
show startup-config vtp	3081
show startup-config wwnm	3082

show startup-config zone	3083
show startup-config zone vsan	3084
show summary	3085
show switch-profile	3086
show switch-profile	3087
show switch-profile buffer	3089
show switch-profile peer	3090
show switch-profile status	3091
show switching-mode	3093
show switching-mode fabric-speed	3094
show system acl	3095
show system auto-collect tech-support	3096
show system boottime	3097
show system config reload-pending	3098
show system cores	3099
show system default switchport	3100
show system default zone	3101
show system error-id	3102
show system exception-info	3103
show system fabric-mode	3104
show system fast-reload stabilization-timer	3105
show system image-verification	3106
show system inband cpu-mac log threshold	3107
show system inband queuing statistics	3108
show system inband queuing status	3110
show system login	3111
show system login failures	3112
show system memory-thresholds	3113
show system mode	3114
show system nve infra-vlans	3115
show system poap	3116
show system pss shrink status	3117
show system redundancy ha status	3118
show system redundancy status	3119

show system reset-reason	3120
show system reset-reason	3121
show system reset-reason module	3122
show system resources	3123
show system resources all-modules	3125
show system routing mode	3127
show system security	3128
show system simulate fan-presence	3129
show system standby manual-boot	3130
show system switch-mode	3131
show system uptime	3132
show system verify bios flash	3133
show system vlan reserved	3134

CHAPTER 20**T Show Commands 3135**

show table-map	3143
show tacacs-server	3144
show tacacs-server	3145
show tacacs-server directed-request	3146
show tacacs-server groups	3147
show tacacs-server sorted	3148
show tacacs-server statistics	3149
show tech-support	3151
show tech-support aaa	3152
show tech-support acl	3153
show tech-support aclmgr	3154
show tech-support aclmgr compressed	3155
show tech-support aclqos	3156
show tech-support aclqos compressed	3157
show tech-support adjmgr	3158
show tech-support all	3159
show tech-support all binary	3160
show tech-support analytics	3161
show tech-support app-hosting	3162

show tech-support arp	3163
show tech-support ascii-cfg	3164
show tech-support assoc_mgr	3165
show tech-support backup	3166
show tech-support bcm	3167
show tech-support bfd	3168
show tech-support bgp	3169
show tech-support biosd	3170
show tech-support bloggerd-all	3171
show tech-support bloggerd	3172
show tech-support bootvar	3173
show tech-support brief	3174
show tech-support callhome	3175
show tech-support cdp	3176
show tech-support cert-enroll	3177
show tech-support cfs	3178
show tech-support cli	3179
show tech-support clis	3180
show tech-support clock_manager	3181
show tech-support commands	3182
show tech-support controller	3183
show tech-support copp	3184
show tech-support cores	3185
show tech-support dcbx	3186
show tech-support details	3187
show tech-support device-alias	3188
show tech-support dhclient	3189
show tech-support dhcp	3190
show tech-support dme	3191
show tech-support dot1x	3192
show tech-support dpvm	3193
show tech-support ecp	3194
show tech-support eem	3195
show tech-support eigrp	3196

show tech-support eltm	3197
show tech-support eplr	3198
show tech-support epp	3199
show tech-support ethpm	3200
show tech-support ethport	3201
show tech-support evb	3202
show tech-support fabric forwarding	3203
show tech-support fabric multicast	3204
show tech-support fabricpath isis	3205
show tech-support fabricpath topology	3206
show tech-support fast-reload	3207
show tech-support fc2	3208
show tech-support fcdomain	3209
show tech-support fcns	3210
show tech-support fcoe	3211
show tech-support fcs	3212
show tech-support feature	3213
show tech-support fib-all	3214
show tech-support fib module	3215
show tech-support fips	3216
show tech-support flogi	3217
show tech-support forwarding l2 multicast	3218
show tech-support forwarding l2 multicast vdc-all	3219
show tech-support forwarding l2 unicast	3220
show tech-support forwarding l3 multicast	3221
show tech-support forwarding l3 multicast detail	3222
show tech-support forwarding l3 multicast detail vdc-all	3223
show tech-support forwarding l3 multicast vdc-all	3224
show tech-support forwarding l3 unicast	3225
show tech-support forwarding l3 unicast detail	3226
show tech-support forwarding l3 unicast detail vdc-all	3227
show tech-support forwarding l3 unicast vdc-all	3228
show tech-support forwarding mpls	3229
show tech-support forwarding multicast	3230

show tech-support forwarding multicast nat	3231
show tech-support forwarding srv6	3232
show tech-support frequency synchronization	3233
show tech-support fspf	3234
show tech-support fsync_mgr	3235
show tech-support gold	3236
show tech-support gpixm	3237
show tech-support ha	3238
show tech-support ha module	3239
show tech-support ha_short	3240
show tech-support ha standby	3241
show tech-support hardware-telemetry	3242
show tech-support hsrp	3243
show tech-support hsrp brief	3244
show tech-support icam	3245
show tech-support icmpv6	3246
show tech-support im	3247
show tech-support imp	3248
show tech-support inband counters	3249
show tech-support include-time	3250
show tech-support install	3251
show tech-support interface-vlan	3252
show tech-support interfaces all	3253
show tech-support intersight	3254
show tech-support ip	3255
show tech-support ip igmp	3256
show tech-support ip igmp snooping	3257
show tech-support ip msdp	3258
show tech-support ip pim	3259
show tech-support ipqos	3260
show tech-support ipv6	3261
show tech-support ipv6 mfwd	3262
show tech-support ipv6 mld	3263
show tech-support ipv6 mld snooping	3264

show tech-support ipv6 multicast	3265
show tech-support ipv6 pim	3266
show tech-support isis	3267
show tech-support issu	3268
show tech-support kstack	3269
show tech-support l2	3270
show tech-support l2fm	3271
show tech-support l2fm clients	3272
show tech-support l2fm detail	3273
show tech-support l2fm l2dbg	3274
show tech-support l2fm l2dbg	3275
show tech-support l2rib	3276
show tech-support l3vm	3277
show tech-support l3vpn	3278
show tech-support lacp	3279
show tech-support ldap	3280
show tech-support license	3281
show tech-support lim	3282
show tech-support lisp	3283
show tech-support lldp	3284
show tech-support logging	3285
show tech-support m2rib	3286
show tech-support macsec	3287
show tech-support macsec detail	3288
show tech-support mdns	3289
show tech-support memory	3290
show tech-support mfwd	3291
show tech-support mmode	3292
show tech-support module	3293
show tech-support module all	3294
show tech-support monitor	3295
show tech-support monitor erspan	3296
show tech-support monitorc-all	3297
show tech-support mpls manager	3298

show tech-support mpls oam	3299
show tech-support mpls static	3300
show tech-support mpls strip	3301
show tech-support mpls switching	3302
show tech-support mpls fwd	3303
show tech-support multicast-vxlan-evpn	3304
show tech-support multicast	3305
show tech-support mvpn	3306
show tech-support nat	3307
show tech-support nbm	3308
show tech-support nbm group	3309
show tech-support netflow	3310
show tech-support netstack	3311
show tech-support netstack detail	3312
show tech-support nexus9000v	3313
show tech-support ngoam	3314
show tech-support npacl	3315
show tech-support npv	3316
show tech-support ns	3317
show tech-support ntp	3318
show tech-support nve	3319
show tech-support nxapi	3320
show tech-support nxsdk	3321
show tech-support object-store	3322
show tech-support ofm	3323
show tech-support ofm	3324
show tech-support openconfig	3325
show tech-support openflow	3326
show tech-support openflow platform	3327
show tech-support ospf	3328
show tech-support ospfv3	3329
show tech-support otv isis	3330
show tech-support page	3331
show tech-support patch	3332

show tech-support pbr	3333
show tech-support pfstat	3334
show tech-support pie	3335
show tech-support pixm-all	3336
show tech-support pixm	3337
show tech-support pixmc-all	3338
show tech-support pktmgr	3339
show tech-support platform-sdk	3340
show tech-support platform	3341
show tech-support plcmgr	3342
show tech-support pltfm-config	3343
show tech-support pnp	3344
show tech-support poap	3345
show tech-support poe	3346
show tech-support port-channel	3347
show tech-support port-client-all	3348
show tech-support port-security	3349
show tech-support port	3350
show tech-support port	3351
show tech-support private-vlan	3352
show tech-support pss	3353
show tech-support ptp	3354
show tech-support radius	3355
show tech-support rib	3356
show tech-support rip	3357
show tech-support routing	3358
show tech-support routing ipv6	3359
show tech-support routing ipv6 multicast	3360
show tech-support routing multicast	3361
show tech-support rpm	3362
show tech-support rscn	3363
show tech-support sal	3364
show tech-support san-port-channel	3365
show tech-support san	3366

show tech-support satmgr	3367
show tech-support security	3368
show tech-support segment-routing	3369
show tech-support services	3370
show tech-support session-mgr	3371
show tech-support sflow	3372
show tech-support single-jericho	3373
show tech-support sksd	3374
show tech-support sla responder	3375
show tech-support sla sender	3376
show tech-support sla twamp-server	3377
show tech-support slowdrain	3378
show tech-support smm	3379
show tech-support snmp	3380
show tech-support sockets	3381
show tech-support spm	3382
show tech-support srte	3383
show tech-support statsclient	3384
show tech-support stp	3385
show tech-support sup-filesys	3386
show tech-support super-bridging	3387
show tech-support sysmgr	3388
show tech-support tacacs	3389
show tech-support telemetry	3390
show tech-support track	3391
show tech-support trm-pd	3392
show tech-support trm	3393
show tech-support tunnel-encryption	3394
show tech-support tunnel	3395
show tech-support u2rib	3396
show tech-support udld	3397
show tech-support usd-all	3398
show tech-support vdc	3399
show tech-support virtual-service	3400

show tech-support vlan	3401
show tech-support vmtracker	3402
show tech-support vpc	3403
show tech-support vrrp	3404
show tech-support vrrp brief	3405
show tech-support vrrpv3	3406
show tech-support vsan	3407
show tech-support vshd	3408
show tech-support vtp	3409
show tech-support vvlan	3410
show tech-support vxlan-evpn	3411
show tech-support vxlan	3412
show tech-support vxlan platform	3413
show tech-support xbar	3414
show tech-support xml	3415
show tech-support xos	3416
show tech-support zone	3417
show telemetry config errors	3418
show telemetry control database	3419
show telemetry data collector brief	3425
show telemetry dynamic configuration	3426
show telemetry event collector stats	3428
show telemetry pipeline stats	3430
show telemetry port-counters	3432
show telemetry syslog-filter	3434
show telemetry transport	3435
show telemetry transport	3438
show telemetry usability	3442
show telemetry yang direct-path cisco-nxos-device	3443
show telnet server	3444
show terminal	3445
show terminal lock	3446
show terminal output xml version	3447
show time-range	3448

show time-stamp running-config last-changed 3450
show topology 3451
show topology isl 3452
show topology isl 3453
show topology isl 3454
show trace callhome 3455
show track 3456
show track brief 3458
show troubleshoot l2 mac vlan 3460
show troubleshoot l2 port-channel 3461
show troubleshoot l3 vrf 3462
show trunk protocol 3463
show ttag brief 3464
show ttag brief 3465
show tunnel-encryption info global 3466
show tunnel-encryption policy 3467
show tunnel-encryption session 3468
show tunnel-encryption statistics 3470
show tunnel-profile 3472

CHAPTER 21**U Show Commands 3473**

show uddl 3474
show uddl global 3476
show uddl neighbors 3477
show upgrade history 3478
show upgrade history details 3479
show user-account 3480
show username keypair 3481
show username passphrase timevalues 3482
show userpassphrase 3483
show userpassphrase 3484
show userpassphrase sequence alphabet length 3485
show userpassphrase sequence keyboard length 3486
show users 3487

CHAPTER 22**V Show Commands 3489**

show vdc	3491
show vdc current-vdc	3493
show vdc fcoe-vlan-range	3494
show vdc resource	3495
show vdc resource	3496
show vdc resource template	3497
show version	3498
show version epld	3501
show version image	3502
show version module	3503
show version module epld	3504
show virtual-service	3506
show virtual-service storage pool list	3509
show virtual-service tech-support	3510
show virtual-service utilization name	3511
show virtual-service version	3512
show vlan	3513
show vlan access-list	3515
show vlan access-map	3519
show vlan all-ports	3520
show vlan counters	3521
show vlan dot1Q tag native	3522
show vlan fcoe	3523
show vlan filter	3524
show vlan id	3525
show vlan id counters	3527
show vlan id vn-segment	3529
show vlan name	3530
show vlan private-vlan	3532
show vlan private-vlan type	3533
show vlan xbrief	3534
show vlan xsummary	3535

show vmtracker	3536
show vmtracker certificate	3538
show vmtracker fabric auto-config	3539
show vmtracker status	3540
show vpc	3541
show vpc	3544
show vpc consistency-parameters	3545
show vpc consistency-parameters vlans	3546
show vpc fabric-ports	3547
show vpc orphan-ports	3548
show vpc peer-keepalive	3549
show vpc role	3550
show vpc statistics peer-keepalive	3551
show vpc statistics vpc	3552
show vpc virtual-peerlink dest reachable	3553
show vpc virtual-peerlink vlan consistency	3554
show vrf	3555
show vrf	3556
show vrrp	3558
show vrrp bfd-sessions	3561
show vrrpv3	3562
show vrrs client	3566
show vrrs pathway	3567
show vrrs server	3568
show vrrs tag	3569
show vsan	3570
show vsan membership	3571
show vsan membership interface	3572
show vsan usage	3573
show vtp counters	3574
show vtp interface	3575
show vtp password	3576
show vtp status	3577

CHAPTER 23**W Show Commands 3579**

- show wred-queue qos-group-map 3580
- show wrt-queue qos-group-map 3581
- show wrt unicast-bandwidth 3582
- show wwn oui 3583
- show wwn status 3584
- show wwn switch 3585
- show wwn test 3586
- show wwn vsan-wwn 3588

CHAPTER 24**X Show Commands 3589**

- show 3590
- show xml server logging configuration 3591
- show xml server status 3592

CHAPTER 25**Z Show Commands 3593**

- show zone-attribute-group 3594
- show zone 3595
- show zone active 3596
- show zone analysis 3597
- show zone ess 3598
- show zone member 3599
- show zone name 3601
- show zone name active 3602
- show zone name pending 3603
- show zone pending-diff 3604
- show zone pending 3605
- show zone policy 3606
- show zone smart-zoning auto-conv log errors 3607
- show zone smart-zoning auto-conv status vsan 3608
- show zone statistics 3609
- show zone statistics vsan 3610
- show zone status 3611

show zone vsan 3612

show zone vsan 3613

show zoneset 3614

PART II **New, Changed, and Deprecated Commands 3615**

CHAPTER 26 **New, Changed, and Deprecated Show Commands 3617**

 New, Changed, and Deprecated Show Commands in Cisco NX-OS Releases 10.3(2) through
 10.3(4a) 3618

PART III **Command Output Formats 3625**

CHAPTER 27 **Command Output Formats 3627**

 Output Formats for Show Commands 3628



Notices

- [Notice, on page 2](#)

Notice



Warning

This document should be used only as a glossary reference for possible commands. The listing of a command in this document does not guarantee that the command is available or supported for your platform or application.

The command information in this reference document is auto-generated from the NX-OS source code. While we attempt to manually remove unsupported, deprecated, or internal-use commands, such commands may occasionally appear in this document. Also, with the large variety of hardware platform combinations using NX-OS software, some listed commands may not be applicable or recommended for a specific platform. Platform-based dependency information is not provided in this command reference.

We strongly encourage you to refer to the configuration guides for appropriate commands to configure and operate a feature. Command limitations, restrictions, and recommendations are documented only in the configuration guides. When in doubt, please consult your Cisco representative.



PART I

All Show Commands

- [A Show Commands, on page 5](#)
- [B Show Commands, on page 57](#)
- [C Show Commands, on page 243](#)
- [D Show Commands, on page 433](#)
- [E Show Commands, on page 487](#)
- [F Show Commands, on page 519](#)
- [G Show Commands, on page 797](#)
- [H Show Commands, on page 803](#)
- [I Show Commands, on page 877](#)
- [K Show Commands, on page 1801](#)
- [L Show Commands, on page 1807](#)
- [M Show Commands, on page 2147](#)
- [N Show Commands, on page 2253](#)
- [O Show Commands, on page 2343](#)
- [P Show Commands, on page 2451](#)
- [Q Show Commands, on page 2573](#)
- [R Show Commands, on page 2595](#)
- [S Show Commands, on page 2827](#)
- [T Show Commands, on page 3135](#)
- [U Show Commands, on page 3473](#)
- [V Show Commands, on page 3489](#)
- [W Show Commands, on page 3579](#)
- [X Show Commands, on page 3589](#)
- [Z Show Commands, on page 3593](#)



A Show Commands

- [show aaa accounting](#), on page 7
- [show aaa authentication](#), on page 8
- [show aaa authentication login](#), on page 9
- [show aaa authentication login ascii-authentication](#), on page 10
- [show aaa authentication login error-enable](#), on page 11
- [show aaa authentication login invalid-username-log](#), on page 12
- [show aaa authorization](#), on page 13
- [show aaa bypass-user](#), on page 14
- [show aaa client radius statistics](#), on page 15
- [show aaa groups](#), on page 16
- [show aaa local user blocked](#), on page 17
- [show aaa server radius statistics](#), on page 18
- [show aaa user blocked](#), on page 19
- [show aaa user default-role](#), on page 20
- [show access-list](#), on page 21
- [show access-list database](#), on page 25
- [show access-list resource](#), on page 26
- [show access-lists](#), on page 28
- [show access-lists](#), on page 30
- [show accounting log](#), on page 35
- [show accounting log all](#), on page 36
- [show accounting log last-index](#), on page 37
- [show accounting log nvram](#), on page 38
- [show accounting log nvram last-index](#), on page 39
- [show accounting log nvram start-seqnum](#), on page 40
- [show accounting log start-seqnum](#), on page 41
- [show acl status](#), on page 42
- [show amt process](#), on page 43
- [show amt vrf all](#), on page 45
- [show app-hosting bridge](#), on page 46
- [show app-hosting detail](#), on page 47
- [show app-hosting infra](#), on page 50
- [show app-hosting list](#), on page 51

- [show app-hosting resource](#), on page 52
- [show app-hosting utilization](#), on page 53
- [show archive log config](#), on page 54
- [show arp access-lists](#), on page 55

show aaa accounting

```
show aaa accounting [ __readonly__ [ TABLE_acctMethods <service> <methods> ] ]
```

Syntax Description

show	Show running system information
aaa	Show aaa information
accounting	Show accounting configuration
__readonly__	(Optional)
TABLE_acctMethods	(Optional)
<i>service</i>	(Optional) service type
<i>methods</i>	(Optional) Accounting methods configured for the application

Command Mode

- /exec

show aaa authentication

show aaa authentication [*__readonly__* [*TABLE_AuthenMethods* <service> <method>]]

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
<i>__readonly__</i>	(Optional)
<i>TABLE_AuthenMethods</i>	(Optional)
<i>service</i>	(Optional) Service for which authentication is needed
<i>method</i>	(Optional) Authentication method used for the service

Command Mode

- /exec

show aaa authentication login

```
show aaa authentication login { mschap | mschapv2 | chap } [ __readonly__ [ <mschap_status> ] [
<mschapv2_status> ] [ <chap_status> ] ]
```

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login error message configuration
mschap	Show authentication login MSCHAP enable configuration
mschapv2	Show authentication login MSCHAP V2 enable configuration
chap	Show authentication login CHAP enable configuration
<i>__readonly__</i>	(Optional)
<i>mschap_status</i>	(Optional) mschap enabled or disabled
<i>mschapv2_status</i>	(Optional) mschapv2 enabled or disabled
<i>chap_status</i>	(Optional) chap enabled or disabled

Command Mode

- /exec

show aaa authentication login ascii-authentication

show aaa authentication login ascii-authentication [*__readonly__* { *<ascii_authen_status>* }]

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login message configuration
ascii-authentication	Show ascii-authentication configuration
<i>__readonly__</i>	(Optional)
<i>ascii_authen_status</i>	(Optional) ascii authentication status

Command Mode

- /exec

show aaa authentication login error-enable

```
show aaa authentication login error-enable [ __readonly__ [ <status> ] ]
```

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login error message configuration
error-enable	Show authentication login error message enable configuration
<i>__readonly__</i>	(Optional)
<i>status</i>	(Optional) login error-enable enabled or disabled

Command Mode

- /exec

show aaa authentication login invalid-username-log

show aaa authentication login invalid-username-log [__readonly__ [<status>]]

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login message configuration
invalid-username-log	Show invalid username log configuration
__readonly__	(Optional)
<i>status</i>	(Optional) login invalid-username-log enabled or disabled

Command Mode

- /exec

show aaa authorization

```
show aaa authorization [ all ] [ __readonly__ [ <pki_ssh_cert_author> <pki_ssh_pubkey_author> ] [
TABLE_cmd_methods <appl_subtype> <cmd_type> <methods> ] [ TABLE_app_methods <appl> <methods>
]]
```

Syntax Description

show	Show running system information
aaa	Show aaa information
authorization	Show authorization configuration
all	(Optional) Show all(include defaults configurations) authorization info
__readonly__	(Optional)
<i>pki_ssh_cert_author</i>	(Optional)
<i>pki_ssh_pubkey_author</i>	(Optional)
TABLE_cmd_methods	(Optional) table containing command authorization methods
<i>appl_subtype</i>	(Optional)
<i>cmd_type</i>	(Optional)
<i>methods</i>	(Optional)
TABLE_app_methods	(Optional) table containing application authorization methods
<i>appl</i>	(Optional)
<i>methods</i>	(Optional)

Command Mode

- /exec

show aaa bypass-user

```
show aaa bypass-user [ <s0> ] [ __readonly__ [ <num_bypass_users> ] [ TABLE_bypassUsers <username>
<account> <author> ] ]
```

Syntax Description

show	Show running system information
aaa	Show aaa information
bypass-user	Show bypass user information
<i>s0</i>	(Optional) Enter the username
<i>__readonly__</i>	(Optional)
<i>num_bypass_users</i>	(Optional) Number of bypass users configured
TABLE_bypassUsers	(Optional)
<i>username</i>	(Optional) Username
<i>account</i>	(Optional) Accounting Bypass
<i>author</i>	(Optional) Authorization bypass

Command Mode

- /exec

show aaa client radius statistics

```
show aaa client radius statistics <host0> [ __readonly__ TABLE_allstat [ <auth_client> ] TABLE_allcoastat
[ <requests> ] [ <transactions> ] [ <retransmissions> ] [ <active_trans> ] [ <ack_responses> ] [ <nak_responses>
] [ <invalid_req> ] [ <errors> ] ]
```

Syntax Description

show	Show running system information
aaa	Show aaa information
client	Show AAA client info
radius	show radius dynamic authorization client info
statistics	show radius dynamic authorization client statistics
<i>host0</i>	IPV4/IPV6 address or DNS name of RADIUS client
<i>__readonly__</i>	(Optional)
<i>TABLE_allstat</i>	(Optional)
<i>TABLE_allcoastat</i>	(Optional)
<i>auth_client</i>	(Optional) Authentication Client Port details
<i>requests</i>	(Optional) COA Request Sent count
<i>transactions</i>	(Optional) COA transactions count
<i>retransmissions</i>	(Optional) COA retransmission count
<i>active_trans</i>	(Optional) COA active transactions count
<i>ack_responses</i>	(Optional) COA acknowledgement responses count
<i>nak_responses</i>	(Optional) COA nak responses count
<i>invalid_req</i>	(Optional) Invalid requests count
<i>errors</i>	(Optional) COA Error count

Command Mode

- /exec

show aaa groups

show aaa groups [__readonly__ { TABLE_groups <group> }]

Syntax Description

show	Show running system information
aaa	Show aaa information
groups	Show configured groups
__readonly__	(Optional)
TABLE_groups	(Optional) Table showing aaa groups
<i>group</i>	(Optional) Name of the group

Command Mode

- /exec

show aaa local user blocked

```
show aaa local user blocked [ __readonly__ { TABLE_sessions <u_name> <u_state> } ]
```

Syntax Description

show	Show running system information
aaa	Configure aaa functions
local	Local username
user	Local system user
blocked	Display Blocked users
<i>__readonly__</i>	(Optional)
<i>TABLE_sessions</i>	(Optional) aaa local users blocked table
<i>u_name</i>	(Optional) Name of the user
<i>u_state</i>	(Optional) State of the user

Command Mode

- /exec

show aaa server radius statistics

```
show aaa server radius statistics [ __readonly__ TABLE_allstat [ <auth_ser> ] [ <coa_sessions> ]
TABLE_alldot1xstat [ <request_sent> ] [ <resp_received> ] [ <resp_timeout> ] [ <errors> ] ]
```

Syntax Description

show	Show running system information
aaa	Show aaa information
server	show Local AAA server info
radius	show local radius server info
statistics	show local radius server statistics
<i>__readonly__</i>	(Optional)
<i>TABLE_allstat</i>	(Optional)
<i>TABLE_alldot1xstat</i>	(Optional)
<i>auth_ser</i>	(Optional) Authentication Server Port details
<i>coa_sessions</i>	(Optional) Active COA session numbers
<i>request_sent</i>	(Optional) DOT1X Request Sent Count
<i>resp_received</i>	(Optional) DOT1X Response received Count
<i>resp_timeout</i>	(Optional) DOT1X Response Timeout Value
<i>errors</i>	(Optional) DOT1X Error count

Command Mode

- /exec

show aaa user blocked

```
show aaa user blocked [ __readonly__ [ <total_users> ] { TABLE_sessions <u_name> <u_state> } ]
```

Syntax Description

show	Show running system information
aaa	Configure aaa functions
user	system user
blocked	Display blocked users
<i>__readonly__</i>	(Optional)
<i>total_users</i>	(Optional) Number of users in list
TABLE_sessions	(Optional) aaa blocked userstable
<i>u_name</i>	(Optional) Name of the user
<i>u_state</i>	(Optional) State of the user

Command Mode

- /exec

show aaa user default-role

show aaa user default-role [__readonly__ { default_role_status <udr_status> }]

Syntax Description

show	Show running system information
aaa	Show aaa information
user	Remotely authenticated user
default-role	Default role assigned by aaa-admin for remote authentication
__readonly__	(Optional)
default_role_status	(Optional) user default role status
<i>udr_status</i>	(Optional) Status of user default role

Command Mode

- /exec

show access-list

```
show { system internal | hardware } access-list { summary | [ vdc <vdc_id> ] [ { interface <if_name> | vlan
<vlan_id> | inband table <table> ] [ { input | output } { config | { { entries | merge } [ detail ] } | statistics |
l4ops | redirect | sampler } ] } [ module <module> ] [ __readonly__ [ <type> ] [ <feature> ] [ <plcy_id> ] [
<src_ip> ] [ <src_mask> ] [ <dst_ip> ] [ <dst_mask> ] [ <proto> ] [ <l4ops> ] [ <action> ] [ <mac> ] [ <cos>
] [ <vlan> ] [ <l2_proto> ] [ <ethertype> ] [ TABLE_vdc <vdc-no> <vdc-type> <dir> <policy-type> <policy-id>
<policy-name> ] [ TABLE_instance <inst> [ TABLE_tcam_resource_usage <tcam-no> [ <lbl> ] [ <hw-lbl-id>
] [ <bank> ] [ TABLE_bank <bank-no> [ TABLE_class <class-type> [ TABLE_policies <policy> ] [
<netflow-profile> ] [ <netflow-deny-profile> ] [ <tcam-entries> ] [ TABLE_tcam_entry <tcam-index>
<tcam-rule> <tcam-stats> ] ] ] [ <l4-protocol-cam-entries> ] [ TABLE_l4_proto_cam_entries <l4-protocol>
<l4-encoding> <l4-index> <l4-ref-count> ] [ <mac-etype-proto-cam-entries> ] [
TABLE_mac_etype_proto_cam_entries <mac-index> <mac-etype> <mac-proto> <mac-ref-count> ] [ <lous>
] [ <tcp-flags-table-entries> ] [ <adjacency-entries> ] ] ]
```

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
summary	summary
vdc	(Optional) vdc id
<i>vdc_id</i>	(Optional) vdc_id
interface	(Optional) interface name
<i>if_name</i>	(Optional) display access list for the interface
vlan	(Optional) vlan_id
<i>vlan_id</i>	(Optional) vlan_id
inband	(Optional) inband interface
table	(Optional) vrf table number
<i>table</i>	(Optional) vrf table number
input	(Optional) input/ingress policies
output	(Optional) output/egress policies
config	(Optional) parsed policy software database
entries	(Optional) tcam entries

statistics	(Optional) aggregate statistics
l4ops	(Optional) l4 operations information
redirect	(Optional) redirect resource information
sampler	(Optional) with sampler details
merge	(Optional) tcam entries merge information
detail	(Optional) detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
__readonly__	(Optional)
<i>type</i>	(Optional) policy type eg: ACL, QOS
<i>feature</i>	(Optional) feature type eg: RACL, VACL
<i>plcy_id</i>	(Optional) policy id
<i>src_ip</i>	(Optional) src ipv4 address
<i>src_mask</i>	(Optional) src mask
<i>dst_ip</i>	(Optional) dst ipv4 address
<i>dst_mask</i>	(Optional) dst mask
<i>proto</i>	(Optional) protocol eg: TCP, UDP ...
<i>l4ops</i>	(Optional) layer 4 operations
<i>action</i>	(Optional) action
<i>mac</i>	(Optional) mac address
<i>cos</i>	(Optional) acos value
<i>vlan</i>	(Optional) vlan id
<i>l2_proto</i>	(Optional) L2 protocol
<i>ethertype</i>	(Optional) ethertype
TABLE_vdc	(Optional) show for vdc
<i>vdc-no</i>	(Optional) vdc number
<i>vdc-type</i>	(Optional) VDC type-COPP etc
<i>dir</i>	(Optional) Policy Direction
<i>policy-type</i>	(Optional) Policy type

<i>policy-id</i>	(Optional) Policy id
<i>policy-name</i>	(Optional) Policy name
TABLE_instance	(Optional) show for an instance
<i>inst</i>	(Optional) instance number
TABLE_tcam_resource_usage	(Optional) TCAM resource usage
<i>tcam-no</i>	(Optional) tcam number
TABLE_bank	(Optional) table bank
<i>bank-no</i>	(Optional) bank number
<i>lbl</i>	(Optional) lbl name
<i>hw-lbl-id</i>	(Optional) hw lbl id
<i>bank</i>	(Optional) bank number
TABLE_class	(Optional) table class
<i>class-type</i>	(Optional) Class type
TABLE_policies	(Optional) policy table
<i>policy</i>	(Optional) Policy name
<i>netflow-profile</i>	(Optional) Netflow Profile
<i>netflow-deny-profile</i>	(Optional) Netflow Deny Profile
TABLE_tcam_entry	(Optional) table tcam entries
<i>tcam-index</i>	(Optional) Index of tcam entry
<i>tcam-rule</i>	(Optional) tcam rule
<i>tcam-stats</i>	(Optional) stats of tcam rule
<i>tcam-entries</i>	(Optional) No. of TCAM entries
<i>l4-protocol-cam-entries</i>	(Optional) L4 protocol cam entries
TABLE_l4_proto_cam_entries	(Optional) L4 protocol cam entry table
<i>l4-protocol</i>	(Optional) Protocol
<i>l4-encoding</i>	(Optional) Encoding
<i>l4-index</i>	(Optional) Index
<i>l4-ref-count</i>	(Optional) Ref-count
<i>mac-etype-proto-cam-entries</i>	(Optional) No. of mac etype/proto cam entries

TABLE_mac_etype_proto_cam_entries	(Optional) MAC etype protocol cam entry table
<i>mac-index</i>	(Optional) Index
<i>mac-etype</i>	(Optional) Etype
<i>mac-proto</i>	(Optional) Protocol
<i>mac-ref-count</i>	(Optional) Reg-count
<i>lous</i>	(Optional) No. of LOU's
<i>tcp-flags-table-entries</i>	(Optional) No. of CP flags table entries
<i>adjacency-entries</i>	(Optional) No. of adjacency entries

Command Mode

- /exec

show access-list database

```
show { system internal | hardware } access-list [ vdc <vdc_id> ] database { interface | vlan | policy | process } [ module <module> ] [ __readonly__ <if_idx> <vlan> <plcy_id> <process_info> ]
```

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
vdc	(Optional) vdc id
<i>vdc_id</i>	(Optional) vdc_id
database	Show memory database
interface	display interfaces/vlans in a vdc with policies
policy	display policies in a vdc
vlan	display vlans in a vdc
process	display process database in a vdc
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
<i>__readonly__</i>	(Optional)
<i>if_idx</i>	(Optional) interface
<i>vlan</i>	(Optional) vlan
<i>plcy_id</i>	(Optional) policy id
<i>process_info</i>	(Optional) process information

Command Mode

- /exec

show access-list resource

```
show { system internal | hardware } access-list resource { { { entries | l4ops | redirect | ipv6-compression |
mac-compression | aqm-d | aqm-q | oq | opool | prm | hardware-telemetry } [ detail ] } | utilization [ per-feature
] | { entry tcam <tcam_id> bank <bank_id> index <index> } | { default-tcam-allocation } } [ no-header ] [
module <module> ] [ __readonly__ [ TABLE_instance <inst> [ TABLE_resource_util_info <resource_hdr>
<ents_use> [ <ents_free> ] [ <ents_pctage> ] ] ] ] ]
```

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
resource	hardware resource
entries	tcam entries
l4ops	l4 operations information
redirect	redirect resource information
entry	display hardware information of a tcam entry
tcam	tcam id
<i>tcam_id</i>	tcam_id
bank	bank id
<i>bank_id</i>	bank_id
index	index within bank
<i>index</i>	index withing bank
default-tcam-allocation	default tcam allocation
utilization	utilization matrix
per-feature	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv6-compression	ipv6 compression
mac-compression	mac compression table info
aqm-d	aqm d params
aqm-q	aqm q params

oq	oq profiles
opool	opool profiles
prm	prm profiles
hardware-telemetry	hardware-telemetry resources
detail	(Optional) detailed information
no-header	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
__readonly__	(Optional)
TABLE_instance	(Optional) show for an instance
<i>inst</i>	(Optional) instance number
TABLE_resource_util_info	(Optional) resource utilization information
<i>resource_hdr</i>	(Optional) resource header
<i>ents_use</i>	(Optional) entries in use
<i>ents_free</i>	(Optional) free tcam entries
<i>ents_pctage</i>	(Optional) tcam entries usage percentage

Command Mode

- /exec

show access-lists

```
show <mpls_acl> access-lists [ <mpls_name> ] [ __readonly__ TABLE_mpls <mpls_name> [ <statistics> ]
[ TABLE_seqno <seqno> { <permitdeny> <mpls> [ <mpls_option> ] { <label1_any> | { <label1> [ mask
<label1_mask> ] } } [ <label2_any> | { <label2> [ mask <label2_mask> ] } } [ <label3_any> | { <label3> [
mask <label3_mask> ] } } [ <label4_any> | { <label4> [ mask <label4_mask> ] } } ] <mplsaction> <mplsactionid>
[ load-share ] } | <remark> ] ]
```

Syntax Description

show	Show running system information
<i>mpls_acl</i>	mpls acl value
access-lists	List access lists
<i>mpls_name</i>	(Optional) List name
<i>__readonly__</i>	(Optional)
<i>mpls_name</i>	(Optional) Name of the MPLS ACL
<i>seqno</i>	(Optional) Sequence number
<i>permitdeny</i>	(Optional) Permit/deny
<i>mplsaction</i>	(Optional) mpls ACL Action
<i>mplsactionid</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
<i>statistics</i>	(Optional) STATISTICS
mask	(Optional) mask
<i>label1</i>	(Optional) mpls label one
<i>label2</i>	(Optional) mpls label two
<i>label3</i>	(Optional) mpls label three
<i>label4</i>	(Optional) mpls label three
<i>label1_mask</i>	(Optional) mpls label one mask
<i>label2_mask</i>	(Optional) mpls label two mask
<i>label3_mask</i>	(Optional) mpls label three mask
<i>label4_mask</i>	(Optional) mpls label four mask
<i>label1_any</i>	(Optional) label one Any
<i>label2_any</i>	(Optional) label two Any

<i>label3_any</i>	(Optional) label three Any
<i>label4_any</i>	(Optional) label four Any
<i>mpls</i>	(Optional) mpls keyword
<i>mpls_option</i>	(Optional) mpls option
TABLE_mpls	(Optional)
TABLE_seqno	(Optional)
load-share	(Optional) load share among the ports specified in redirect list
<i>remark</i>	(Optional) Remark String

Command Mode

- /exec

show access-lists

```
show [ <ip_ipv6_mac> ] access-lists [ <name> ] [ capture session <capture_session> ] [ <expanded> |
<summary> | <private> | <brief> | <stats-detail> ] [ __readonly__ TABLE_ip_ipv6_mac <op_ip_ipv6_mac>
<show_summary> <acl_name> [ <statistics> ] [ <frag_opt_permit_deny> ] [ <global_capture_session> ] [
<ipv6_extn_hdr> ] [ <ignore_routable> ] [ TABLE_seqno <seqno> { <permitdeny> [ <proto_str> | <proto>
| <ip> | <ipv6> ] { <src_any> | <src_ip_prefix> | <src_ip_addr> <src_ip_mask> | <src_ipv6_prefix> |
<src_ipv6_addr> <src_ipv6_mask> | <mac_src> <mac_src_wild> | <src_addrgrp> } [ <src_port_op> [
<src_port1_str> ] { <src_port1_num> } [ <src_port2_str> | <src_port2_num> ] | <src_portgrp> ] { <dest_any>
| <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> | <dest_ipv6_prefix> | <dest_ipv6_addr>
<dest_ipv6_mask> | <mac_dest> <mac_dest_wild> | <dest_addrgrp> } [ <dest_port_op> [ <dest_port1_str>
] { <dest_port1_num> } [ <dest_port2_str> | <dest_port2_num> ] | <dest_portgrp> ] [ { <icmp_type> [
<icmp_code> ] | <icmp_str> } | { <icmpv6_type> [ <icmpv6_code> ] | <icmpv6_str> } ] [ <igmp_type> |
<igmp_type_str> ] [ [ <precedence> | <precedence_str> ] [ <tos> | <tos_str> ] ] [ <dscp> [ <dscp_mask> ] |
<dscp_str> ] ] [ <ttl> ] ] [ <log> ] [ <telemetry_queue> ] [ <telemetry_path> ] [ <udfs> ] [ <capture_session>
] [ <fragments> ] [ <plen_op> <plen1> [ <plen2> ] ] [ <urg> ] [ <ack> ] [ <psh> ] [ <rst> ] [ <syn> ] [ <fin>
] [ <established> ] [ <http-method> | <http_opt_str> ] [ <tcp-option-length> ] [ <tcp-flags-mask> ] [
<flow_label> ] [ <timerange> ] [ <eth_proto> | <eth_proto_str> ] [ <vlan> ] [ <cos> ] [ <match_count> ] ] [
TABLE_match <module> <module_match_count> ] [ <nve_vni> ] | <remark> [ <load-share> ] [ <action>
<actionid> ] ] [ ethertype <ethertypeid> | vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority
<vlanpriorityid> ] + [ [ <stats_enabled> ] [ <frag_option> ] [ <ign_rtable> ] { <num_ace> } { <conf_if_header>
} [ <conf_if> ] { <active_if_header> } [ <active_if> ] ] ] ]
```

Syntax Description

show	Show running system information
<i>name</i>	(Optional) List name
<i>ip_ipv6_mac</i>	(Optional) IP/IPv6/MAC
capture	(Optional) capture
session	(Optional) session
<i>capture_session</i>	(Optional) session id
<i>op_ip_ipv6_mac</i>	(Optional) IP/IPv6/MAC
access-lists	List access lists
<i>show_summary</i>	(Optional)
<i>acl_name</i>	(Optional) List name
<i>__readonly__</i>	(Optional)
TABLE_ip_ipv6_mac	(Optional)
<i>frag_opt_permit_deny</i>	(Optional) frag_op_type
ethertype	(Optional) Configure match based on ethertype

<i>vlan</i>	(Optional) Configure match based on vlan
<i>ingress_intf</i>	(Optional) Configure match based on ingress interface
<i>vlan_priority</i>	(Optional) Configure match based on priority
<i>ethertypeid</i>	(Optional) Configure the ethertype value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority
<i>seqno</i>	(Optional) Sequence number
<i>permitdeny</i>	(Optional) Permit/deny
<i>proto</i>	(Optional) A protocol number
TABLE_seqno	(Optional)
<i>proto_str</i>	(Optional) Protocol name
<i>ip</i>	(Optional) IP
<i>ipv6</i>	(Optional) IPV6
<i>src_any</i>	(Optional) SRCAny
<i>dest_any</i>	(Optional) DESTAny
<i>src_ip_prefix</i>	(Optional) Source IP prefix
<i>src_ip_addr</i>	(Optional) Source IP address
<i>src_ip_mask</i>	(Optional) Source IP mask
<i>mac_src</i>	(Optional) Source MAC address
<i>mac_src_wild</i>	(Optional) Source MAC mask
<i>dest_ip_prefix</i>	(Optional) Destination IP prefix
<i>dest_ip_addr</i>	(Optional) Destination IP address
<i>dest_ip_mask</i>	(Optional) Destination IP mask
<i>mac_dest</i>	(Optional) Destination MAC address
<i>mac_dest_wild</i>	(Optional) Destination MAC mask
<i>src_port_op</i>	(Optional) Source Port operator
<i>dest_port_op</i>	(Optional) Destination Port operator

<i>src_port1_str</i>	(Optional) Source port name
<i>src_port1_num</i>	(Optional) Source port number
<i>src_port2_str</i>	(Optional) Source port name
<i>src_port2_num</i>	(Optional) Source port number
<i>dest_port1_str</i>	(Optional) Destination port name
<i>dest_port1_num</i>	(Optional) Destination port number
<i>dest_port2_str</i>	(Optional) Destination port name
<i>dest_port2_num</i>	(Optional) Destination port number
<i>icmp_type</i>	(Optional) ICMP type
<i>icmp_code</i>	(Optional) ICMP code
<i>icmp_str</i>	(Optional) ICMP message
<i>icmpv6_type</i>	(Optional) ICMP type
<i>icmpv6_code</i>	(Optional) ICMP code
<i>icmpv6_str</i>	(Optional) ICMP message
<i>igmp_type</i>	(Optional) IGMP type
<i>igmp_type_str</i>	(Optional) IGMP type String
<i>precedence</i>	(Optional) precedence
<i>precedence_str</i>	(Optional) precedence string
<i>tos</i>	(Optional) tos
<i>tos_str</i>	(Optional) tos string
<i>dscp</i>	(Optional) dscp
<i>dscp_mask</i>	(Optional) dscp mask
<i>dscp_str</i>	(Optional) dscp string
<i>udfs</i>	(Optional) udfs string
<i>ttl</i>	(Optional) ttl
<i>capture_session</i>	(Optional) capture session
<i>global_capture_session</i>	(Optional) capture session
<i>log</i>	(Optional) Log
<i>telemetry_queue</i>	(Optional) telemetry_queue

<i>telemetry_path</i>	(Optional) telemetry_path
<i>load-share</i>	(Optional) load share
<i>fragments</i>	(Optional) Fragments
<i>urg</i>	(Optional) URG
<i>ack</i>	(Optional) ACK
<i>psh</i>	(Optional) PSH
<i>rst</i>	(Optional) RST
<i>syn</i>	(Optional) SYN
<i>fin</i>	(Optional) FIN
<i>established</i>	(Optional) ESTABLISHED
<i>http-method</i>	(Optional) http-method
<i>http_opt_str</i>	(Optional) http_option string
<i>tcp-option-length</i>	(Optional) TCP Option size
<i>tcp-flags-mask</i>	(Optional) TCP Flags mask
<i>flow_label</i>	(Optional) IPv6 flow label
<i>timerange</i>	(Optional) Time-range
<i>eth_proto</i>	(Optional) MAC protocol number
<i>eth_proto_str</i>	(Optional) MAC protocol name
<i>vlan</i>	(Optional) VLAN number
<i>cos</i>	(Optional) CoS value
<i>match_count</i>	(Optional) Number of packets matching the ACL
TABLE_match	(Optional)
<i>module</i>	(Optional) Module name
<i>module_match_count</i>	(Optional) Number of packets matching the ACL per module
<i>nve_vni</i>	(Optional) nve vni
<i>remark</i>	(Optional) Remark String
<i>statistics</i>	(Optional) STATISTICS
<i>src_addrgrp</i>	(Optional) Source address group
<i>dest_addrgrp</i>	(Optional) Destination address group

<i>src_portgrp</i>	(Optional) Source port group
<i>dest_portgrp</i>	(Optional) Destination port group
<i>plen_op</i>	(Optional) Source Port operator
<i>plen1</i>	(Optional) Packet length minimum
<i>plen2</i>	(Optional) packet length maximum
<i>action</i>	(Optional) Action
<i>actionid</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-prot: <1-65535> redirect_all: Ethernet1/1,port-channel1
<i>ipv6_extn_hdr</i>	(Optional) extn_hdr_op_type
<i>ignore_routable</i>	(Optional) ignore_routable_type
<i>stats_enabled</i>	(Optional)
<i>frag_option</i>	(Optional)
<i>ign_rtable</i>	(Optional)
<i>num_ace</i>	(Optional) Total number of ACEs
<i>conf_if_header</i>	(Optional)
<i>conf_if</i>	(Optional) Configured Interfaces
<i>active_if_header</i>	(Optional)
<i>active_if</i>	(Optional) Active interfaces
<i>expanded</i>	(Optional) EXPANDED
<i>summary</i>	(Optional) SUMMARY
<i>private</i>	(Optional) PRIVATE
<i>brief</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>stats-detail</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show accounting log

```
show accounting log [ { <i0> | start-time <SYYYY> <SMonth> <SDate> <STime> [ end-time <EYYYY>
<EMonth> <EDate> <ETime> ] } ] [ __readonly__ [ TABLE_acctlog_time <accountlog_starttime> ] ]
```

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
<i>i0</i>	(Optional) Log Size(in bytes)
start-time	(Optional) Show messages from a given start-time
<i>SYYYY</i>	(Optional) Enter year in YYYY format
<i>SMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>SDate</i>	(Optional) Enter day of month in dd format
<i>STime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from a given end-time
<i>EYYYY</i>	(Optional) Enter year in YYYY format
<i>EMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>EDate</i>	(Optional) Enter day of month in dd format
<i>ETime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS
__readonly__	(Optional)
TABLE_acctlog_time	(Optional)
<i>accountlog_starttime</i>	(Optional) accounting log starttime

Command Mode

- /exec

show accounting log all

show accounting log all [__readonly__ [TABLE_acctlog <accountlog_all>]]

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
all	Display accounting log including show commands (Use <terminal log-all> to enable show command accounting)
__readonly__	(Optional)
TABLE_acctlog	(Optional)
<i>accountlog_all</i>	(Optional) accounting log all

Command Mode

- /exec

show accounting log last-index

```
show accounting log last-index [ __readonly__ { <last_index> } ]
```

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
last-index	Show accounting log last index information
__readonly__	(Optional)
<i>last_index</i>	(Optional) accounting log last index

Command Mode

- /exec

show accounting log nvram

```
show accounting log nvram [ { <i0> | start-time <SYYYY> <SMonth> <SDate> <STime> [ end-time
<EYYYY> <EMonth> <EDate> <ETime> ] } ] [ __readonly__ [ TABLE_acctnvramlog_time
<accountnvramlog_starttime> ] ]
```

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
nvram	present in nvram
<i>i0</i>	(Optional) Log Size(in bytes)
start-time	(Optional) Show messages from a given start-time
<i>SYYYY</i>	(Optional) Enter year in YYYY format
<i>SMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>SDate</i>	(Optional) Enter day of month in dd format
<i>STime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from a given end-time
<i>EYYYY</i>	(Optional) Enter year in YYYY format
<i>EMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>EDate</i>	(Optional) Enter day of month in dd format
<i>ETime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS
__readonly__	(Optional)
TABLE_acctnvramlog_time	(Optional)
<i>accountnvramlog_starttime</i>	(Optional) accounting log nvram starttime

Command Mode

- /exec

show accounting log nvram last-index

```
show accounting log nvram last-index [ __readonly__ { <last_index> } ]
```

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
nvram	present in nvram
last-index	Show accounting log last index information
<i>__readonly__</i>	(Optional)
<i>last_index</i>	(Optional) accounting log last index

Command Mode

- /exec

show accounting log nvram start-seqnum

```
show accounting log nvram start-seqnum <SSEQNUM> [ end-seqnum <ESEQNUM> ] [ __readonly__ [
TABLE_acctnvramlog_seq <accountnvramlog_seq> ] ]
```

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
nvram	present in nvram
start-seqnum	Show messages starting from a given sequence number
end-seqnum	(Optional) Show messages ending with a given sequence number
<i>SSEQNUM</i>	Enter Starting Sequence Number
<i>ESEQNUM</i>	(Optional) Enter Starting Sequence Number
<i>__readonly__</i>	(Optional)
<i>TABLE_acctnvramlog_seq</i>	(Optional)
<i>accountnvramlog_seq</i>	(Optional) accounting log nvram seqnum

Command Mode

- /exec

show accounting log start-seqnum

```
show accounting log start-seqnum <SSEQNUM> [ end-seqnum <ESEQNUM> ] [ __readonly__ [
TABLE_acctlog_seq <accountlog_seq> ] ]
```

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
start-seqnum	Show messages starting from a given sequence number
end-seqnum	(Optional) Show messages ending with a given sequence number
<i>SSEQNUM</i>	Enter Starting Sequence Number
<i>ESEQNUM</i>	(Optional) Enter Starting Sequence Number
<i>__readonly__</i>	(Optional)
<i>TABLE_acctlog_seq</i>	(Optional)
<i>accountlog_seq</i>	(Optional) accounting log seqnum

Command Mode

- /exec

show acl status

```
show acl status [ __readonly__ [ <current_operation> [ <current_operation_stage> ] [ <current_operation_cli>
] <last_operation> [ <last_operation_status> ] [ <last_operation_cli> ] [ <current_acl> ] [ <current_ace> ] ]
]
```

Syntax Description

show	Show running system information
acl	Show information about acl
status	Shows the status of last acl operation
<i>__readonly__</i>	(Optional)
<i>current_operation</i>	(Optional) Current operation
<i>current_operation_stage</i>	(Optional) Current operation stage
<i>current_operation_cli</i>	(Optional) Current operation CLI
<i>last_operation</i>	(Optional) Last operation
<i>last_operation_status</i>	(Optional) Last operation status
<i>last_operation_cli</i>	(Optional) Last operation CLI
<i>current_acl</i>	(Optional) Access-list being modified
<i>current_ace</i>	(Optional) ACE rule being modified

Command Mode

- /exec

show amt process

```
show amt process [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ TABLE_vrf <vrf> <pid> <uuid>
<q> <re4> <ge4> <re6> <ge6> <pi4> <ar4> <ag4> <ra4> <ga4> <dra4> <pi6> <ar6> <ag6> <ra6> <ga6>
<dra6> <qqic4> <tc4> <tl4> <rc4> <rl4> <jp4> <qqic6> <tc6> <tl6> <rc6> <rl6> <jp6> <grm4> <gjp4>
<gslp4> <gsl4> <grm6> <gjp6> <gslp6> <gsl6> ]
```

Syntax Description

show	Show running system information
amt	AMT show commands
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
process	Display AMT process information
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
<i>pid</i>	(Optional)
<i>uuid</i>	(Optional)
<i>q</i>	(Optional)
<i>re4</i>	(Optional)
<i>ge4</i>	(Optional)
<i>re6</i>	(Optional)
<i>ge6</i>	(Optional)
<i>pi4</i>	(Optional)
<i>ar4</i>	(Optional)
<i>ag4</i>	(Optional)
<i>ra4</i>	(Optional)
<i>ga4</i>	(Optional)
<i>dra4</i>	(Optional)
<i>pi6</i>	(Optional)

<i>qqic4</i>	(Optional)
<i>tc4</i>	(Optional)
<i>tl4</i>	(Optional)
<i>rc4</i>	(Optional)
<i>rl4</i>	(Optional)
<i>jp4</i>	(Optional)
<i>qqic6</i>	(Optional)
<i>tc6</i>	(Optional)
<i>tl6</i>	(Optional)
<i>rc6</i>	(Optional)
<i>rl6</i>	(Optional)
<i>jp6</i>	(Optional)
<i>grm4</i>	(Optional)
<i>gjp4</i>	(Optional)
<i>gslp4</i>	(Optional)
<i>gsl4</i>	(Optional)
<i>grm6</i>	(Optional)
<i>gjp6</i>	(Optional)
<i>gslp6</i>	(Optional)
<i>gsl6</i>	(Optional)

Command Mode

- /exec

show amt vrf all

show amt vrf all [__readonly__ TABLE_vrf <vrf> <cid> <ip_tid> <ipv6_tid>]

Syntax Description

show	Show running system information
amt	AMT show commands
vrf	Display all VRFs AMT is configured in
all	Display all VRFs AMT is configured in
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
<i>cid</i>	(Optional)
<i>ip_tid</i>	(Optional)
<i>ipv6_tid</i>	(Optional)

Command Mode

- /exec

show app-hosting bridge

show app-hosting bridge [__readonly__ [TABLE_bridge <bridge-id> <vrf> <ip-prefix> <ipv6-prefix>]]

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
bridge	List the app-hosting bridges
__readonly__	(Optional)
TABLE_bridge	(Optional) app-hosting bridges
<i>bridge-id</i>	(Optional) Bridge ID
<i>vrf</i>	(Optional) Bridge VRF
<i>ip-prefix</i>	(Optional) IP prefix
<i>ipv6-prefix</i>	(Optional) IP prefix

Command Mode

- /exec

show app-hosting detail

```
show app-hosting detail [ appid <app-hosting-appid> ] [ __readonly__ [ TABLE_apps_detail <appid> <owner>
<state> <app_type> <app_name> <app_version> <app_description> <app_author> <app_path> <app_url>
[ <profile> <res_mem> <res_disk> <res_cpu> ] [ TABLE_apps_det_plfm_res_prof <prof_name> <prof_cpu>
<prof_mem> <prof_disk> ] [ TABLE_apps_det_att_dev <dev_name> <dev_type> <dev_alias> ] [
TABLE_apps_det_intf <intf_name> <intf_mac> <intf_ipv4> <intf_ipv6> <intf_net_name> <tx_pkts>
<tx_bytes> <tx_errs> <rx_pkts> <rx_bytes> <rx_errs> ] [ <docker_command> <docker_entry_point>
<docker_run_opts_in_use> <docker_pkg_run_opts> <docker_health_status> <docker_health_probe_err>
<docker_health_probe_output> ] ] ]
```

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
detail	Detail information about appliance
appid	(Optional) Application ID
<i>app-hosting-appid</i>	(Optional) AppId name
<i>__readonly__</i>	(Optional)
TABLE_apps_detail	(Optional) all application detailed information
<i>appid</i>	(Optional) AppId
<i>owner</i>	(Optional) Owner
<i>state</i>	(Optional) Application state
<i>app_type</i>	(Optional) Application Type
<i>app_name</i>	(Optional) Application Name
<i>app_version</i>	(Optional) Application Version
<i>app_description</i>	(Optional) Application Description
<i>app_author</i>	(Optional) Application Author
<i>app_path</i>	(Optional) Application Path
<i>app_url</i>	(Optional) Application URL
<i>profile</i>	(Optional) Activated Profile Name
<i>res_mem</i>	(Optional) Resource Memory
<i>res_disk</i>	(Optional) Resource Disk
<i>res_cpu</i>	(Optional) Resource CPU

TABLE_apps_det_plfm_res_prof	(Optional) Platform Resource Profiles
<i>prof_name</i>	(Optional) Profile name
<i>prof_cpu</i>	(Optional) Profile CPU
<i>prof_mem</i>	(Optional) Profile Memory
<i>prof_disk</i>	(Optional) Profile Disk
TABLE_apps_det_att_dev	(Optional) Attached Devices
<i>dev_name</i>	(Optional) Device name
<i>dev_type</i>	(Optional) Device type
<i>dev_alias</i>	(Optional) Device alias
TABLE_apps_det_intf	(Optional) Network Interfaces
<i>intf_name</i>	(Optional) Interface name
<i>intf_mac</i>	(Optional) MAC address
<i>intf_ipv4</i>	(Optional) IPv4 address
<i>intf_ipv6</i>	(Optional) IPv6 address
<i>intf_net_name</i>	(Optional) Network Name
<i>tx_pkts</i>	(Optional) Tx Packets
<i>tx_bytes</i>	(Optional) Tx Bytes
<i>tx_errs</i>	(Optional) Tx Errors
<i>rx_pkts</i>	(Optional) Rx Packets
<i>rx_bytes</i>	(Optional) Rx Bytes
<i>rx_errs</i>	(Optional) Rx Errors
<i>docker_command</i>	(Optional) Docker command
<i>docker_entry_point</i>	(Optional) Docker entry point
<i>docker_run_opts_in_use</i>	(Optional) Docker run options in use
<i>docker_pkg_run_opts</i>	(Optional) Docker package run options
<i>docker_health_status</i>	(Optional) Docker health status
<i>docker_health_probe_err</i>	(Optional) Docker health last probe error
<i>docker_health_probe_output</i>	(Optional) Docker health last probe output

Command Mode

- /exec

show app-hosting infra

```
show app-hosting infra [ __readonly__ <signature_verif> <part_size> <inband_packet_rate_limit> [
TABLE_apps_infra_services <service> <version> <status> ] ]
```

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
infra	app-hosting framework infra details
<i>__readonly__</i>	(Optional)
<i>signature_verif</i>	(Optional) Signature Verification
<i>part_size</i>	(Optional) Docker partition size
<i>inband_packet_rate_limit</i>	(Optional) Inband packet rate limit
TABLE_apps_infra_services	(Optional) service dependencies
<i>service</i>	(Optional) Service
<i>version</i>	(Optional) Version
<i>status</i>	(Optional) Running status

Command Mode

- /exec

show app-hosting list

show app-hosting list [__readonly__ [TABLE_apps_list <appid> <state>]]

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
list	List applications
__readonly__	(Optional)
TABLE_apps_list	(Optional) all application information
<i>appid</i>	(Optional) AppId
<i>state</i>	(Optional) Application state

Command Mode

- /exec

show app-hosting resource

show app-hosting resource [*__readonly__* <cpu_quota> <cpu_avail> <vcpu_count> <mem_quota>
<mem_avail> <disk_quota> <disk_avail>]

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
resource	available resources
<i>__readonly__</i>	(Optional)
<i>cpu_quota</i>	(Optional) CPU Quota Percent
<i>cpu_avail</i>	(Optional) CPU Quota Available
<i>vcpu_count</i>	(Optional) VCPU count
<i>mem_quota</i>	(Optional) Memory Quota
<i>mem_avail</i>	(Optional) Memory Available
<i>disk_quota</i>	(Optional) Storage Quota
<i>disk_avail</i>	(Optional) Storage Available

Command Mode

- /exec

show app-hosting utilization

```
show app-hosting utilization [ appid <app-hosting-appid> ] [ __readonly__ [ TABLE_utilization <appid>
<cpu_allocation> <cpu_used> <cpu_core_count> <mem_allocation> <mem_used> <disk_allocation>
<disk_used> ] ]
```

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
utilization	Utilization information about appliance
appid	(Optional) Application ID
<i>app-hosting-appid</i>	(Optional) AppId name
<i>__readonly__</i>	(Optional)
TABLE_utilization	(Optional) all application utilization information
<i>appid</i>	(Optional) AppId
<i>cpu_allocation</i>	(Optional) CPU Allocation
<i>cpu_used</i>	(Optional) CPU Used
<i>cpu_core_count</i>	(Optional) CPU core count
<i>mem_allocation</i>	(Optional) Memory Allocation
<i>mem_used</i>	(Optional) Memory Used
<i>disk_allocation</i>	(Optional) Disk Allocation
<i>disk_used</i>	(Optional) Disk Used

Command Mode

- /exec

show archive log config

```
show archive log config { all | [ user <username> ] [ first-index <first_index> [ last-index <last_index> ] ] }
[ __readonly__ [ TABLE_archivelog_time [ <archivelog_firstindex> ] ] ]
```

Syntax Description

show	Show running system information
archive	Show archive configuration
log	Show Archive Log
config	Show Config Logger information
all	List all the records in the config log
user	(Optional) List records for specific user in the config log
<i>username</i>	(Optional) Username
first-index	(Optional) The first record number to display
last-index	(Optional) The last record number to display
<i>first_index</i>	(Optional) config log first index
<i>last_index</i>	(Optional) config log last index
__readonly__	(Optional)
TABLE_archivelog_time	(Optional)
<i>archivelog_firstindex</i>	(Optional) archive log startindex

Command Mode

- /exec

show arp access-lists

```
show arp access-lists [ <name> ] [ __readonly__ TABLE_arp <arp_name> [ TABLE_seqno <seqno> {
<permitdeny> <reqresp> ip { { <sender_ip_any> | { { <sender_host> <sender_ip> | { <sender_net_ip>
<sender_ip_mask> } } } } [ { <target_ip_any> | { { <target_host> <target_ip> | { <target_net_ip>
<target_ip_mask> } } } ] } mac { { <sender_mac_any> | { { <sender_mac_host> <sender_mac> | {
<sender_net_mac> <sender_mac_mask> } } } } [ { <target_mac_any> | { { <target_mac_host> <target_mac>
| { <target_net_mac> <target_mac_mask> } } } ] } [ <arp_log> ] } | <remark> ] ] [ capture session
<session-id> ]
```

Syntax Description

show	Show running system information
arp	ARP access-lists
access-lists	List access lists
<i>name</i>	(Optional) List name
<i>__readonly__</i>	(Optional)
<i>arp_name</i>	(Optional) Name of the ARP ACL
<i>seqno</i>	(Optional) Sequence number
<i>permitdeny</i>	(Optional) Permit/deny
ip	(Optional) Any IP protocol
TABLE_arp	(Optional)
TABLE_seqno	(Optional)
<i>reqresp</i>	(Optional) ARP_Request
<i>sender_ip_any</i>	(Optional) Any
<i>sender_host</i>	(Optional) Host
<i>sender_ip</i>	(Optional) IP address <a.b.c.d>
<i>sender_net_ip</i>	(Optional) IP address <a.b.c.d>
<i>sender_ip_mask</i>	(Optional) IP mask <a.b.c.d>
<i>target_ip_any</i>	(Optional) Any
<i>target_host</i>	(Optional) Host
<i>target_ip</i>	(Optional) IP address <a.b.c.d>
<i>target_net_ip</i>	(Optional) IP address <a.b.c.d>
<i>target_ip_mask</i>	(Optional) IP mask <a.b.c.d>

<i>mac</i>	(Optional) MAC configuration commands
<i>sender_mac_any</i>	(Optional) Any
<i>sender_mac_host</i>	(Optional) Host
<i>sender_mac</i>	(Optional) MAC address EEEE.EEEE.EEEE
<i>sender_net_mac</i>	(Optional) MAC address EEEE.EEEE.EEEE
<i>sender_mac_mask</i>	(Optional) MAC mask EEEE.EEEE.EEEE
<i>target_mac_any</i>	(Optional) Any
<i>target_mac_host</i>	(Optional) Host
<i>target_mac</i>	(Optional) MAC address EEEE.EEEE.EEEE
<i>target_net_mac</i>	(Optional) MAC address EEEE.EEEE.EEEE
<i>target_mac_mask</i>	(Optional) MAC mask EEEE.EEEE.EEEE
<i>remark</i>	(Optional) Remark String
<i>arp_log</i>	(Optional) Log
<i>capture</i>	(Optional) Enable packet capture on this filter for session
<i>session</i>	(Optional) Session ID <1-48> for this session
<i>session-id</i>	(Optional) Session ID <1-48> for this session

Command Mode

- /exec



B Show Commands

- [show background](#), on page 59
- [show banner exec](#), on page 60
- [show banner motd](#), on page 61
- [show bash-shell](#), on page 62
- [show bfd clients](#), on page 63
- [show bfd neighbors](#), on page 64
- [show bgp](#), on page 68
- [show bgp](#), on page 70
- [show bgp](#), on page 73
- [show bgp](#), on page 82
- [show bgp](#), on page 90
- [show bgp](#), on page 97
- [show bgp bmp server](#), on page 100
- [show bgp community](#), on page 103
- [show bgp convergence](#), on page 110
- [show bgp dampening dampened](#), on page 112
- [show bgp dampening flap-statistics](#), on page 119
- [show bgp dampening parameters](#), on page 122
- [show bgp evi](#), on page 125
- [show bgp extcommunity](#), on page 127
- [show bgp l3vpn](#), on page 135
- [show bgp large-community](#), on page 137
- [show bgp neighbors](#), on page 144
- [show bgp neighbors](#), on page 155
- [show bgp neighbors commands](#), on page 162
- [show bgp neighbors flap-statistics](#), on page 164
- [show bgp neighbors paths](#), on page 166
- [show bgp path-attribute discard](#), on page 168
- [show bgp paths](#), on page 175
- [show bgp peer-template](#), on page 176
- [show bgp peer](#), on page 180
- [show bgp prefix-list](#), on page 182
- [show bgp private attr](#), on page 189

- [show bgp private debug history](#), on page 190
- [show bgp process](#), on page 191
- [show bgp received-paths](#), on page 197
- [show bgp regexp](#), on page 204
- [show bgp segment-routing srv6](#), on page 211
- [show bgp self-originated](#), on page 212
- [show bgp sessions](#), on page 219
- [show bgp statistics](#), on page 221
- [show bgp summary](#), on page 222
- [show bgp summary](#), on page 227
- [show boot](#), on page 232
- [show boot auto-copy](#), on page 233
- [show boot auto-copy list](#), on page 234
- [show boot current](#), on page 235
- [show boot mode](#), on page 236
- [show boot order](#), on page 237
- [show boot timings](#), on page 238
- [show boot variables](#), on page 239
- [show buffer-drop detail](#), on page 240
- [show buffer-latency detail](#), on page 241

show background

```
show background [ __readonly__ [ { TABLE_jobs <pid> <user_name> <terminal> <start> <time> <script>
<args> } ] ]
```

Syntax Description

<code>show</code>	Show running system information
<code>background</code>	show background processes (started with 'source background <file>' command)
<code>__readonly__</code>	(Optional)
<code>TABLE_jobs</code>	(Optional) All background jobs
<code>pid</code>	(Optional) Process ID of the job
<code>user_name</code>	(Optional) User name of the process
<code>terminal</code>	(Optional) Terminal where job is running
<code>start</code>	(Optional) Start time of job
<code>time</code>	(Optional) Time
<code>script</code>	(Optional) Script name
<code>args</code>	(Optional) Arguments passed to script

Command Mode

- /exec

show banner exec

```
show banner exec [ __readonly__ { banner_msg <b_msg> } ]
```

Syntax Description

show	Show running system information
banner	Show current banner message
exec	Show current exec banner message
__readonly__	(Optional)
banner_msg	(Optional) The banner message
<i>b_msg</i>	(Optional) The banner message

Command Mode

- /exec

show banner motd

```
show banner motd [ __readonly__ { banner_msg <b_msg> } ]
```

Syntax Description

show	Show running system information
banner	Show current banner message
motd	Show current motd banner message
__readonly__	(Optional)
banner_msg	(Optional) The banner message
<i>b_msg</i>	(Optional) The banner message

Command Mode

- /exec

show bash-shell

```
show bash-shell [ __readonly__ { operation_status <o_status> } ]
```

Syntax Description

show	Show running system information
bash-shell	Show bash shell status
<i>__readonly__</i>	(Optional)
<i>operation_status</i>	(Optional) Bash shell status
<i>o_status</i>	(Optional) operational status of bash shell

Command Mode

- /exec

show bfd clients

```
show bfd clients [ __readonly__ <header> [ { TABLE_bfdClients <client_name> <num_sess> } ] ]
```

Syntax Description

show	Show running system information
bfd	BFD commands
clients	bfd client list
<i>__readonly__</i>	(Optional)
<i>header</i>	(Optional) print header
TABLE_bfdClients	(Optional) BFD Client table
<i>client_name</i>	(Optional) client name
<i>num_sess</i>	(Optional) Number of sessions

Command Mode

- /exec

show bfd neighbors

```
show bfd { [ vrf { <vrf-name> | <vrf-known-name> | all } ] } { [ <ip_type> ] } neighbors { [ multihop ] | [
module <module> ] | [ interface <intf_id> ] | [ application <bfd_cli_client_names> ] | [ { src-ip <src_ip> |
src-ipv6 <src_ipv6> } ] | [ { dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> } ] | [ vrf { <vrf-name> |
<vrf-known-name> | all } ] } + [ details ] [ __readonly__ TABLE_bfdNeighbor <local_disc> [ <header> ] [
<sess_type> ] [ <vrf_name> ] [ <src_ip_addr> ] [ <src_ipv6_addr> ] [ <dest_ip_addr> ] [ <dest_ipv6_addr>
] [ <remote_disc> ] [ <local_state> ] [ <remote_state> ] [ <holddown> ] [ <cur_detect_mult> ] [ <intf> ] [
<echo> ] [ <echo_tx> ] [ <local_diag> ] [ <demand> ] [ <poll> ] [ <min_tx> ] [ <min_rx> ] [ <local_multi>
] [ <detect_timer> ] [ <tx_interval> ] [ <rx_count> ] [ <rx_avg> ] [ <rx_min> ] [ <rx_max> ] [ <last_rx> ] [
<tx_count> ] [ <tx_avg> ] [ <tx_min> ] [ <tx_max> ] [ <last_tx> ] [ <app> ] [ <up_time> ] [ <up_count> ] [
<down_count> ] [ <version> ] [ <diag> ] [ <state_bit> ] [ <demand_bit> ] [ <poll_bit> ] [ <final_bit> ] [
<multiplier> ] [ <length> ] [ <my_disc> ] [ <your_disc> ] [ <min_tx_interval> ] [ <req_min_rx> ] [
<min_echo_interval> ] [ <out_str> ] [ <host_lc> ] [ <down_reason> ] [ <no_host_reason> ] [ <parent> ] [
<per_link_str> ] [ <auth> ] [ <auth_bit> ] [ <print_details> ] ]
```

Syntax Description

show	Show running system information
bfd	BFD commands
<i>ip_type</i>	(Optional) ipv4 or ipv6
neighbors	neighbors
multihop	(Optional) Display Multihop sessions only
module	(Optional) module
<i>module</i>	(Optional) module number
interface	(Optional) interface
<i>intf_id</i>	(Optional) show bfd sessions based on interface id
application	(Optional) application
<i>bfd_cli_client_names</i>	(Optional) __nil__ Clients need to register with bfd for this list
src-ip	(Optional) Source ip
src-ipv6	(Optional) Source ip
<i>src_ip</i>	(Optional) Source ip value
dest-ip	(Optional) Destination ip
dest-ipv6	(Optional) Destination ip
<i>dest_ip</i>	(Optional) Destination ip value
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
details	(Optional) details
<i>__readonly__</i>	(Optional)
TABLE_bfdNeighbor	(Optional) BFD Neighbor table
<i>header</i>	(Optional) Header
<i>sess_type</i>	(Optional) Session type
<i>vrf_name</i>	(Optional) vrf name
<i>src_ip_addr</i>	(Optional) Source IPV4 address
<i>dest_ip_addr</i>	(Optional) Destination IPV4 address
<i>local_disc</i>	(Optional) Local Discriminator
<i>remote_disc</i>	(Optional) Remote Discriminator
<i>local_state</i>	(Optional) Local State
<i>remote_state</i>	(Optional) Remote State
<i>holddown</i>	(Optional) Hold Down Time
<i>cur_detect_mult</i>	(Optional) Current Detection Multiplier
<i>intf</i>	(Optional) Interface
<i>echo</i>	(Optional) Echo enabled
<i>echo_tx</i>	(Optional) Echo Tx Interval
<i>local_diag</i>	(Optional) Local Diag
<i>demand</i>	(Optional) Demand Mode
<i>poll</i>	(Optional) Poll Bit
<i>min_tx</i>	(Optional) Local Min Tx Interval
<i>min_rx</i>	(Optional) Local Min Rx Interval
<i>local_multi</i>	(Optional) Local Detection Multiplier
<i>detect_timer</i>	(Optional) Current Detection Timer
<i>tx_interval</i>	(Optional) Tx Interval
<i>rx_count</i>	(Optional) Tx Count

<i>rx_avg</i>	(Optional) Rx Interval Avg
<i>rx_min</i>	(Optional) Rx Interval Min
<i>rx_max</i>	(Optional) Rx Interval Max
<i>last_rx</i>	(Optional) Last Rx time
<i>tx_count</i>	(Optional) Tx Count
<i>tx_avg</i>	(Optional) Tx Interval Avg
<i>tx_min</i>	(Optional) Tx Interval Min
<i>tx_max</i>	(Optional) Tx Interval Max
<i>last_tx</i>	(Optional) Last Tx time
<i>app</i>	(Optional) App name
<i>up_time</i>	(Optional) Up time
<i>up_count</i>	(Optional) Up Count
<i>down_count</i>	(Optional) Down Count
<i>version</i>	(Optional) Version in Last Packet
<i>diag</i>	(Optional) diag in Last Packet
<i>state_bit</i>	(Optional) State Bit in Last Packet
<i>demand_bit</i>	(Optional) Demand Bit in Last Packet
<i>poll_bit</i>	(Optional) Poll Bit in Last Packet
<i>final_bit</i>	(Optional) Final Bit in Last Packet
<i>multiplier</i>	(Optional) Detection Multiplier in Last Packet
<i>length</i>	(Optional) Length in Last Packet
<i>my_disc</i>	(Optional) My Discriminator in Last Packet
<i>your_disc</i>	(Optional) Your Discriminator in Last Packet
<i>min_tx_interval</i>	(Optional) Min Tx Interval in Last Packet
<i>req_min_rx</i>	(Optional) Required Rx Interval in Last Packet
<i>min_echo_interval</i>	(Optional) Min Echo Interval in Last Packet
<i>out_str</i>	(Optional) No Host LC string
<i>parent</i>	(Optional) Parent Session
<i>per_link_str</i>	(Optional) Per Link string

<i>host_lc</i>	(Optional) Host LC
<i>down_reason</i>	(Optional) Session Down Reason
<i>no_host_reason</i>	(Optional) Not Hosted Reason
<i>auth</i>	(Optional) Authentication Mode
<i>auth_bit</i>	(Optional) Auth Bit in Last Packet
<i>print_details</i>	(Optional) print details

Command Mode

- /exec

<i>af-name</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
<i>dampening</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>status</i>	(Optional)
<i>best</i>	(Optional)
<i>pathtype</i>	(Optional)
<i>peer</i>	(Optional)
<i>flapcount</i>	(Optional)
<i>duration</i>	(Optional)
<i>reuse</i>	(Optional)
<i>penalty</i>	(Optional)
<i>suppresslimit</i>	(Optional)
<i>reuselimit</i>	(Optional)

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } policy statistics { { redistribute [ { { eigrp | isis | ospf | rip } <tag> } | static | direct | amt | lisp |
hmm | am ] } | { neighbor <neighbor-id> [ default-originate | { route-map | filter-list | prefix-list } { in | out }
] } | { dampening } | { network { <ip-addr> mask <ip-mask> | <ip-prefix> } } | { aggregate-address { <ip-addr>
<ip-mask> | <ip-prefix> } { suppress-map | advertise-map } } } | vpnv4 unicast policy statistics { neighbor
<neighbor-id> [ { route-map | filter-list | prefix-list } { in | out } ] } | ipv6 { unicast | multicast } policy statistics
{ { redistribute [ { { eigrp | isis | ospfv3 | rip } <tag> } | static | direct | amt | lisp | hmm | am ] } | { neighbor
{ <neighbor-id> | <ipv6-neighbor-id> } [ default-originate | { route-map | filter-list | prefix-list } { in | out }
] } | { dampening } | { network <ipv6-prefix> } | { aggregate-address <ipv6-prefix> { suppress-map |
advertise-map } } } } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [
__readonly__ TABLE_vrf <vrf-name-polstats> [ <rpm-handle-count> ] [ { TABLE_rmap <name> <action>
<seqnum> [ { TABLE_cmd <command> <comparecount> <matchcount> } ] [ <totalacceptcount> ] [
<totalrejectcount> ] } ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
policy	Display policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
isis	(Optional) ISO IS-IS
ospf	(Optional) Open Shortest Path First
ospfv3	(Optional) Open Shortest Path First v3
rip	(Optional) Routing Information Protocol
eigrp	(Optional) Enhanced Interior Gateway Protocol

static	(Optional) Static routes
direct	(Optional) Directly connected
amt	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
lisp	(Optional) LISP EID-prefixes in the non-default VRF
hmm	(Optional) HMM prefix
am	(Optional) AM routes (learned via ARP)
<i>tag</i>	(Optional) Source protocol tag
neighbor	Show neighbor specific counters
<i>neighbor-id</i>	Neighbor IPv4 address
route-map	(Optional) Neighbor route-map
prefix-list	(Optional) Neighbor prefix-list
filter-list	(Optional) Neighbor filter-list
out	(Optional) Outbound policy
in	(Optional) Inbound policy
default-originate	(Optional) Default-originate policy
dampening	Show dampening info
network	Configured IP prefix to advertise
mask	Configured mask of the IP prefix advertised
aggregate-address	Configured BGP aggregate prefixes
suppress-map	Statistics of suppress policy
advertise-map	Statistics of advertise policy
<i>ip-addr</i>	IP network advertised
<i>ip-mask</i>	Dotted 4-octet mask
<i>ip-prefix</i>	IP prefix in CIDR format
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-polstats</i>	(Optional)
<i>rpm-handle-count</i>	(Optional)
TABLE_rmap	(Optional)

<i>name</i>	(Optional)
<i>action</i>	(Optional)
<i>seqnum</i>	(Optional)
TABLE_cmd	(Optional)
<i>command</i>	(Optional)
<i>comparecount</i>	(Optional)
<i>matchcount</i>	(Optional)
<i>totalacceptcount</i>	(Optional)
<i>totalrejectcount</i>	(Optional)

Command Mode

- /exec

show bgp

```

show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ipv4 { unicast |
multicast } | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast
} [ <ip-addr> [ <ip-mask> [ longer-prefixes ] ] [ detail ] | <ip-prefix> [ longer-prefixes ] [ detail ] | labels |
exported | imported | detail ] | { ipv6 { unicast | multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast } [ <ipv6-prefix> [ longer-prefixes ] [ detail ] | labels |
exported | imported | detail ] | { ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } [
<ip-addr> [ <ip-mask> ] | <ip-prefix> | labels | mdt-group <mdt-group> ] | { ipv4 | ipv6 } unicast [
injected-routes | origin-as validity-state [ valid | invalid | not-found ] ] | link-state [ route-type <rt-type> |
<ipv4-ls-rt> | <ipv6-ls-rt> ] | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] [ { <ip-addr>
[ <ip-mask> ] | <ip-prefix> } | { ve-id <ve-id> block-offset <ve-bs> } ] ] | ipv4 mvpn [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [ join <v4src-addr> <v4grp-addr> <src-asn> ] rp
<v4src-addr> <grp-v4prefix> <pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v4prefix> | sa-ad
<v4src-addr> <v4grp-addr> | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] ] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7
} [ detail ] | join [ detail ] | sa-ad [ detail ] | i-pmsi [ detail ] | { <v4src-addr> [ <v4grp-addr> ] | <v4grp-addr>
[ <v4src-addr> ] } [ route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } ] [ detail ] ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4>
| <ext-comm-rd-aa4nn2> } [ join <v6src-addr> <v6grp-addr> <src-asn> ] rp <v6src-addr> <grp-v6prefix>
<pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v6prefix> | sa-ad <v6src-addr> <v6grp-addr> |
route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] ] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] | join [ detail ] |
sa-ad [ detail ] | i-pmsi [ detail ] | { <v6src-addr> [ <v6grp-addr> ] | <v6grp-addr> [ <v6src-addr> ] } [ route-type
{ 1 | 2 | 3 | 4 | 5 | 6 | 7 } ] [ detail ] ] | l2vpn evpn [ route-type <rtype> [ etid <et> ] | detail | rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [ route-type <rtype> [ etid <et> ] ] | <ipv4-evpn-rt> |
<ipv6-evpn-rt> | <mac-address> ] | vni-id <vni_id> [ route-type <rtype> | detail ] | es <es-id> [ route-type
<rtype> [ etid <et> ] ] | <ipv4-evpn-rt> | <ipv6-evpn-rt> | <mac-address> ] | all [ detail ] ] [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out>
TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [
<rd_vrf> ] [ <rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix>
| <nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed>
<needsresync> <locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [
<srv6-local-sid> ] [ <locallabel> ] [ <labelhlldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> [ <origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { <ipnexthop> |
<ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } } { <weight> <aspath> <origin> [ <metric>
] [ <localpref> ] } } } | { <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted>
<pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsourcenumber> [ <originalimportsourcenumber> ] ] [
<importdestscount> ] [ TABLE_importdests <importdest> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregator> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origrsrgb_len> <psid_origrsrgb_flag> <psid_origrsrgb_base>
<psid_origrsrgb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> ] [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>

```

```

} ] [ <rpki_origin_as_validity> ] } } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]

```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ip-addr</i>	(Optional) Display one particular network from the BRIB in detail
<i>ip-mask</i>	(Optional) Mask for one particular prefix in the BRIB
<i>ip-prefix</i>	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
labels	(Optional) Display BGP labels for prefixes
exported	(Optional) Display only exported prefixes
imported	(Optional) Display only imported prefixes
injected-routes	(Optional) Display only injected prefixes
origin-as	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
validity-state	(Optional) Display validity state of origin-as for the prefix
valid	(Optional) Display only prefixes with valid origin-as
invalid	(Optional) Display only prefixes with invalid origin-as
not-found	(Optional) Display only prefixes with not-found origin-as
mdt-group	(Optional) Display prefixes with MDT group address
<i>mdt-group</i>	(Optional) MDT group address
rd	(Optional) Display information for a route distinguisher
ve-id	(Optional) VPLS VE ID
<i>ve-id</i>	(Optional) VPLS VE ID
route-type	(Optional) EVPN Route Type number
<i>rtype</i>	(Optional) EVPN route type number
1	(Optional) Inter-AS PMSI AD

2	(Optional) Intra-AS PMSI AD
3	(Optional) SPMSI AD
4	(Optional) LEAF AD
5	(Optional) Source-Active AD
6	(Optional) Shared C-Multicast
7	(Optional) Source C-Multicast
vni-id	(Optional) EVPN VNI ID number
<i>vni_id</i>	(Optional) EVPN VNI ID number
<i>rt-type</i>	(Optional) Link-State route-type
es	(Optional) Ethernet Segment
<i>es-id</i>	(Optional) ESID
etid	(Optional) Ethernet Tag-ID for L2VPN EVPN route
<i>et</i>	(Optional) Ethernet Tag-ID
<i>ipv4-evpn-rt</i>	(Optional) EVPN IPv4 address
<i>ipv4-ls-rt</i>	(Optional) Link-State NLRI with descriptor including IPv4 address
<i>mac-address</i>	(Optional) MAC address
block-offset	(Optional) VPLS VE Block offset
<i>ve-bs</i>	(Optional) VPLS VE Block offset
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family

vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
join	(Optional) Display Multicast Join route
detail	(Optional) Display detailed path info for routes
sa	(Optional) Display Multicast Source Active AD route
sa-ad	(Optional) Display Multicast Source Active AD route
i-pmsi	(Optional) Display Multicast Intra-AS I-PMSI route
rp	(Optional) Display Multicast Group to RP route
v4src-addr	(Optional) Source IP Address
src-asn	(Optional) Source ASN
v4grp-addr	(Optional) Group IP Address
grp-v4prefix	(Optional) Group IP prefix
pe-addr	(Optional) PE IP Address
rp-flags	(Optional) Flags
rp-priority	(Optional) RP Priority
hashlen	(Optional) Hash mask length
l	(Optional) vrf
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)

<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)

TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)

<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)

<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)

<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } { route-map {
<rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } } { community-list {
<commlist-name> | <test_pol_name> } | large-community-list { <large-commlist-name> | <test_pol_name>
} | extcommunity-list { <extcommlist-name> | <test_pol_name> } [ exact-match ] [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out>
TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [
<rd_vrf> ] [ <rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix>
| <nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed>
<needsresync> <locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [
<srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> [ <origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { <ipnexthop> |
<ipv6nexthop> } } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric>
] [ <localpref> ] } } } | { [ <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted>
<pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsource> [ <originalimportsource> ] ] [
<importdstscount> ] [ TABLE_importdsts <importdst> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <rpk_origin_as_validity> ] } } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list
community-list	Display routes matching the community-list
<i>commlist-name</i>	Name of community-list
large-community-list	Display routes matching the large-community-list
<i>large-commlist-name</i>	Name of large-community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>extcommlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families

<i>exact-match</i>	(Optional) Exact match of the communities
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)

<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)

<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)

<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)

<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origrsrgb_len</i>	(Optional)
<i>psid_origrsrgb_flag</i>	(Optional)
<i>psid_origrsrgb_base</i>	(Optional)
<i>psid_origrsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)

<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ipv4 { unicast |
multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv4 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | link-state | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | l2vpn evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4
mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast } nexthop <ipnexthop>
| { ipv6 { unicast | multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] |
ipv6 labeled-unicast | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } nexthop
<ipv6nexthop> } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__
TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id>
] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix
{ <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist>
<on-xmitlist> <suppressed> <needsresync> <locked> ] [ <table-map-filtered> ] [ <export-on-newlist>
<export-on-xmitlist> ] [ <srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path
<pathnr> { { <status> <best> <type> [ <origin_as_validity_code> ] <statuscode> <bestcode> <typecode> }
<ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } } { <weight> <aspath>
<origin> [ <metric> ] [ <localpref> ] } } } [ <policyincomplete> <pathvalid> <pathbest> <pathreoriginated>
<pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn>
<pathlocator> <path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsource> [
<originalimportsource> ] ] [ <importdstscount> ] [ TABLE_importdsts <importdst> ] [ <existpath> ] [
<gwip> | <ipv6gwip> ] [ <aspath> <source> ] [ <ipnexthop> | <ipv6nexthop> ] <nexthopmetric> { <neighbor>
| <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras>
<atomicaggregate> ] [ <inlabel> ] [ <originflag> ] [ { TABLE_community <community> } ] [ {
TABLE_largecommunity <largecommunity> } ] [ { TABLE_extcommunity <extcommunity> } ] [
<originatorid> { TABLE_clusterlist <clusterlist> } ] [ <flappenalty> <dampenedtime> <flaps> <flaptime>
<flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax> ] [ <con_type> <con_len>
<con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len> <psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len>
<psid_sub_type> <psid_v6sid> <psid_func_len> <psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len>
<psid_origsrgrb_flag> <psid_origsrgrb_base> <psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap>
<remotenh_vnid> <remotenh_mac> ] [ <pmssi> ] [ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [
<tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [ TABLE_path_attr_list <path_attr_list> [ TABLE_attr
<attr_num> <attr_code_str> <attr_code_hex> <attr_flags> <attr_len> [ TABLE_attr_val <attr_value> ] ] ] [
<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [ <attrset_aspath> ] [
<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> } ] ] [ <rpki_origin_as_validity> ] }
} ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name

<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
<i>ipnexthop</i>	Nexthop address
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
evpn	Display BGP information for L2VPN EVPN address family
mvpn	Display BGP information for MVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)

<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)

<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)

<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)

<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>psid</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)

<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { { ipv4 { unicast
| multicast } | vpnv4 unicast | ipv4 mdt | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn } nexthop-database
[ <ipnexthop> ] } } { { ipv6 { unicast | multicast } | vpnv6 unicast | ipv6 mvpn } nexthop-database [
<ipv6nexthop> ] } } { all nexthop-database } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_nhvrif <nhvrif-name-out> TABLE_nhafi <nhafi>
TABLE_nhsafi <nhsafi> <af-name> <nhcriticaldelay> <nhnoncriticaldelay> [ { TABLE_nexthop {
<ipnexthop-out> | <ipv6nexthop-out> } <refcount> <igpmetric> <multipath> <igptype> <igppref> [ {
TABLE_attachedhops { <attachedhop> | <ipv6attachedhop> } <interface> [ { TABLE_labels <index> <label>
} ] } ] <attached> <local> <reachable> <labeled> <filtered> <suppressed> <resolvetime> { <ribroute> |
<ipv6ribroute> } <pendingupdate> [ <pendingtime> ] <nextadvertise> <rnhepoch> [ <pendingrnhepoch> ]
} ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
nexthop-database	Display nexthop database
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
mdt	Display BGP information for multicast distribution tree
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

<i>ipnexthop</i>	(Optional) Nexthop address
<i>__readonly__</i>	(Optional)
TABLE_ <i>nhvrf</i>	(Optional)
<i>nhvrf-name-out</i>	(Optional)
TABLE_ <i>nhafi</i>	(Optional)
<i>nhafi</i>	(Optional)
TABLE_ <i>nhsafi</i>	(Optional)
<i>nhsafi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>nhcriticaldelay</i>	(Optional)
<i>nhnoncriticaldelay</i>	(Optional)
TABLE_ <i>nexthop</i>	(Optional)
<i>ipnexthop-out</i>	(Optional)
<i>refcount</i>	(Optional)
<i>igpmetric</i>	(Optional)
<i>multipath</i>	(Optional)
<i>igptype</i>	(Optional)
<i>igppref</i>	(Optional)
TABLE_ <i>attachedhops</i>	(Optional)
<i>attachedhop</i>	(Optional)
<i>interface</i>	(Optional)
TABLE_ <i>labels</i>	(Optional)
<i>index</i>	(Optional)
<i>label</i>	(Optional)
<i>attached</i>	(Optional)
<i>local</i>	(Optional)
<i>reachable</i>	(Optional)
<i>labeled</i>	(Optional)
<i>filtered</i>	(Optional)

<i>suppressed</i>	(Optional)
<i>resolvetime</i>	(Optional)
<i>pendingupdate</i>	(Optional)
<i>pendingtime</i>	(Optional)
<i>ribroute</i>	(Optional)
<i>nextadvertise</i>	(Optional)
<i>rnhepoch</i>	(Optional)
<i>pendingrnhepoch</i>	(Optional)

Command Mode

- /exec

<i>refresh_interval</i>	(Optional) refresh delay for bmp server
<i>stats_interval</i>	(Optional) frequency of stat updates
<i>initiation</i>	(Optional) number of initiation messages
<i>termination</i>	(Optional) number of termination messages
<i>peer_up</i>	(Optional) number of peer up messages
<i>peer_down</i>	(Optional) number of peer down messages
<i>route_monitor</i>	(Optional) number of route monitor messages
<i>route_mirror</i>	(Optional) number of route mirror messages
<i>stats</i>	(Optional) number of stats messages
<i>messages_dropped</i>	(Optional) number of dropped messages
<i>monitored_peers</i>	(Optional) number of monitored peers for the bmp server
TABLE_peer	(Optional) monitored peer for the bmp server
<i>peer_addr</i>	(Optional) ip address of the peer
<i>refresh_interval</i>	(Optional) refresh delay for the peer
<i>peer_up</i>	(Optional) number of peer up messages for the peer
<i>peer_down</i>	(Optional) number of peer down messages for the peer
<i>route_monitor</i>	(Optional) number of route monitor messages for the peer
<i>route_mirror</i>	(Optional) number of route mirror messages for the peer
<i>stats</i>	(Optional) number of stats messages for the peer
<i>messages_dropped</i>	(Optional) number of dropped messages for the peer
<i>prefixes_denied</i>	(Optional) prefixes denied for the peer
<i>dup_pfx_advmnt</i>	(Optional) dup pfx advmnt for the peer
<i>pfx_dup_wdr_count</i>	(Optional) pfx dup wdr count for the peer
<i>cluster_list_loops</i>	(Optional) cluster list loops for the peer
<i>as_path_loops</i>	(Optional) as path loops for the peer
<i>as_confed_loops</i>	(Optional) as confed loops for the peer
<i>invalid_originator</i>	(Optional) invalid originator for the peer
<i>adj_rib_in</i>	(Optional) adj-rib-in for the peer
<i>loc-rib</i>	(Optional) loc-rib for the peer

Command Mode

- /exec

show bgp community

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } community {
<regex-str> | { <comm-id> | <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi>
TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [
<rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> |
<nonipprefix> } ] [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed>
<needsresync> <locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [
<srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> [ <origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { <ipnexthop> |
<ipv6nexthop> } } { <inlabel> <outlabel> <vpn> <hold_down> } } { <weight> <aspath> <origin> [ <metric>
] [ <localpref> ] } } } | { <policyincomplete> <pathvalid> <pathbest> <patheoriginated> <pathdeleted>
<pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsourcenumber> [ <originalimportsourcenumber> ] ] [
<importdestscout> ] [ TABLE_importdests <importdest> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] [ <ipnexthop> | <ipv6nexthop> ] <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflaps> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <rpki_origin_as_validity> ] } } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher

<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
community	Display routes matching the BGP communities
<i>regexp-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)

<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)

<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)

<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenaity</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)

<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)

<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp convergence

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] convergence [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ <starttime> <configdonetime> <juststarted> [ <initwaittime> ] [ <rpkifirsteodrcvd> ] [ <ldpconverged> ] [ <ulibconvergencesent> ] [ TABLE_vrf <vrf-name-out> <bestpathtimeout> <configuredtimeout> <updatedelay> [ <firstpeerup> ] <timerrunning> [ <timerexpires> ] [ TABLE_afi <afi> TABLE_safi <safi> <af-name> <total_configured_peers> <total_capable_peers> <firstbestpathsignalled> [ <firstbestpathsignalledtime> ] <firstbestpathdone> [ <firstbestpathdonetime> [ <lastbestpathsignalledtime> <lastbestpathdonetime> ] ] [ <riblibconvergencesent> ] [ <importtimerrunning> ] [ <importtimerexpires> ] [ { TABLE_rcvdpeers [ <peer> ] [ <ipv6peer> ] [ <signalledtimepeer> ] [ <interface-parent> ] } ] [ { TABLE_notrcvdpeers [ <notpeer> ] [ <notipv6peer> ] [ <nokeepalive> ] [ <notsignalledtime> ] } ] ] ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
convergence	Display information about convergence
detail	(Optional) Display detailed information about convergence
__readonly__	(Optional)
<i>starttime</i>	(Optional)
<i>configdonetime</i>	(Optional)
<i>juststarted</i>	(Optional)
<i>initwaittime</i>	(Optional)
<i>rpkifirsteodrcvd</i>	(Optional)
<i>ldpconverged</i>	(Optional)
<i>ulibconvergencesent</i>	(Optional)
TABLE_vrf	(Optional)
<i>total_configured_peers</i>	(Optional)
<i>total_capable_peers</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>bestpathtimeout</i>	(Optional)

<i>configuredtimeout</i>	(Optional)
<i>updatedelay</i>	(Optional)
<i>firstpeerup</i>	(Optional)
<i>timerrunning</i>	(Optional)
<i>timerexpires</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>firstbestpathsignalled</i>	(Optional)
<i>firstbestpathsignalledtime</i>	(Optional)
<i>firstbestpathdone</i>	(Optional)
<i>firstbestpathdonetime</i>	(Optional)
<i>lastbestpathsignalledtime</i>	(Optional)
<i>lastbestpathdonetime</i>	(Optional)
<i>ribribconvergencesent</i>	(Optional)
<i>importtimerrunning</i>	(Optional)
<i>importtimerexpires</i>	(Optional)
TABLE_rcvdpeers	(Optional)
<i>peer</i>	(Optional)
<i>signalledtimepeer</i>	(Optional)
<i>interface-parent</i>	(Optional)
TABLE_notrcvdpeers	(Optional)
<i>notpeer</i>	(Optional)
<i>nokeepalive</i>	(Optional)
<i>notsignalledtime</i>	(Optional)

Command Mode

- /exec

show bgp dampening dampened

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening {
dampened-paths [ regexp <regexp-str> ] | history-paths [ regexp <regexp-str> ] } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ] [ _readonly_ TABLE_vrf <vrf-name-out>
TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [
<rd_vrf> ] [ <rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix>
| <nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed>
<needsresync> <locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [
<srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> [ <origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { <ipnextrhop> |
<ipv6nextrhop> } } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric>
] [ <localpref> ] } } } | { <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted>
<pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> } [ <importsource> [ <originalimportsource> ] ] [
<importdstscount> ] [ TABLE_importdsts <importdst> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnextrhop> | <ipv6nextrhop> } <nextrhopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <tpki_origin_as_validity> ] } } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampened-paths	Display all dampened paths

history-paths	Display all history paths
dampening	Display dampening info
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)

show bgp dampening dampened

<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)

<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)

<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)

<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)

<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
rd-esi-desc	(Optional)
rd-esi	(Optional)
rd-seg-id	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
status	(Optional)
best	(Optional)

<i>pathtype</i>	(Optional)
<i>peer</i>	(Optional)
<i>flapcount</i>	(Optional)
<i>duration</i>	(Optional)
<i>reuse</i>	(Optional)
<i>penalty</i>	(Optional)
<i>suppresslimit</i>	(Optional)
<i>reuselimit</i>	(Optional)

Command Mode

- /exec

show bgp dampening parameters

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening
parameters [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__
TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ TABLE_rd [ <rd_val> ] [
<rd_vrf> ] [ <rd_vniid> ] [ <rpmname> ] [ TABLE_rpm <rpmindex> <rpmdamphalflife> <rpmdampsuppress>
<rpm dampreuse> <rpm dampsuppress> <rpm dampmaxpenalty> ] [ <dampconfigured> <damp halflife>
<damp suppress> <damp reuse> <damp suppress time> <damp max penalty> ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
parameters	Display dampening parameters
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family

l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional) VRF RD
<i>rd_vniid</i>	(Optional)
TABLE_rpm	(Optional)
<i>rpmname</i>	(Optional)
<i>rpmindex</i>	(Optional)
<i>rpmdamphalflife</i>	(Optional)
<i>rpmdampprepare</i>	(Optional)
<i>rpmdampprepare</i>	(Optional)
<i>rpmdamppreparetime</i>	(Optional)
<i>rpmdamppenalty</i>	(Optional)
<i>dampconfigured</i>	(Optional)
<i>damphalflife</i>	(Optional)
<i>dampsuppress</i>	(Optional)
<i>dampprepare</i>	(Optional)

<i>dampsuppresstime</i>	(Optional)
<i>dampmaxpenalty</i>	(Optional)

Command Mode

- /exec

show bgp evi

```
show bgp evi [ <evi-id> ] [ __readonly__ [ TABLE_ctx <eid> <rd> [ <secondaryrd> ] <numlocalprefixes>
<numtotalprefixes> <created> <lastoperup> <lastoperdown> <enabled> [ <associatedvrf> ] [
TABLE_activeexportrts <exportrt> ] [ TABLE_activeimportrts <importrt> ] [ TABLE_evpnactiveexportrts
<evpnexportrt> ] [ TABLE_evpnactiveimportrts <evpnimportrt> ] [ TABLE_mvnpactiveexportrts
<mvpnexportrt> ] [ TABLE_mvnpactiveimportrts <mvpnimportrt> ] [ TABLE_activeexportrtsv6 <exportrtv6>
] [ TABLE_activeimportrtsv6 <importrtv6> ] [ TABLE_evpnactiveexportrtsv6 <evpnexportrtv6> ] [
TABLE_evpnactiveimportrtsv6 <evpnimportrtv6> ] [ TABLE_mvnpactiveexportrtsv6 <mvpnexportrtv6> ]
[ TABLE_mvnpactiveimportrtsv6 <mvpnimportrtv6> ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
evi	Display information about EVI database
<i>evi-id</i>	(Optional) EVI Id
<i>__readonly__</i>	(Optional)
<i>TABLE_ctx</i>	(Optional)
<i>eid</i>	(Optional)
<i>rd</i>	(Optional)
<i>secondaryrd</i>	(Optional)
<i>numlocalprefixes</i>	(Optional)
<i>numtotalprefixes</i>	(Optional)
<i>created</i>	(Optional)
<i>lastoperup</i>	(Optional)
<i>lastoperdown</i>	(Optional)
<i>enabled</i>	(Optional)
<i>associatedvrf</i>	(Optional)
<i>TABLE_activeexportrts</i>	(Optional)
<i>TABLE_activeimportrts</i>	(Optional)
<i>TABLE_evpnactiveexportrts</i>	(Optional)
<i>TABLE_evpnactiveimportrts</i>	(Optional)
<i>TABLE_mvnpactiveexportrts</i>	(Optional)

TABLE_mvpnactiveimportrts	(Optional)
TABLE_activeexportrtsv6	(Optional)
TABLE_activeimportrtsv6	(Optional)
TABLE_evpnactiveexportrtsv6	(Optional)
TABLE_evpnactiveimportrtsv6	(Optional)
TABLE_mvpnactiveexportrtsv6	(Optional)
TABLE_mvpnactiveimportrtsv6	(Optional)
<i>importrt</i>	(Optional)
<i>exportrt</i>	(Optional)
<i>evpnimportrt</i>	(Optional)
<i>evpnexportrt</i>	(Optional)
<i>mvpnimportrt</i>	(Optional)
<i>mvpnexportrt</i>	(Optional)
<i>importrtv6</i>	(Optional)
<i>exportrtv6</i>	(Optional)
<i>evpnimportrtv6</i>	(Optional)
<i>evpnexportrtv6</i>	(Optional)
<i>mvpnimportrtv6</i>	(Optional)
<i>mvpnexportrtv6</i>	(Optional)

Command Mode

- /exec

show bgp extcommunity

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } extcommunity
{ <regex-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf<vrf-name-out> TABLE_afi<afi> TABLE_safi
<safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] [
<rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [
<prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync>
<locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [
<locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path<pathnr> { { <status> <best> <type> [
<origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } } {
<inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric> ] [ <localpref> ] }
} } | { [ <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled>
<pathhistory> <pathvermaxaslimit> <pathmultipath> <pathnolabeledrnh> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsource> [ <originalimportsource> ] ] [
<importdestscount> ] [ TABLE_importdests <importdest> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenaalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origrsgb_len> <psid_origrsgb_flag> <psid_origrsgb_base>
<psid_origrsgb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmssi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list<path_attr_list> [ TABLE_attr<attr_num><attr_code_str><attr_code_hex><attr_flags>
<attr_len> [ TABLE_attr_val<attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <rpki_origin_as_validity> } } } ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
labeled-unicast	Display BGP information for labeled-unicast address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
<i>regexp-str</i>	Regular expression to match the extcommunities
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)

<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)

<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)

<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)

<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)

<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgrb_len</i>	(Optional)
<i>psid_origsrgrb_flag</i>	(Optional)
<i>psid_origsrgrb_base</i>	(Optional)
<i>psid_origsrgrb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)

<i>rpki_origin_as_validity</i>	(Optional)
--------------------------------	------------

Command Mode

- /exec

show bgp l3vpn

```
show bgp l3vpn [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [
__readonly__ TABLE_vrf <vrf-name-out> [ <vrf-id> ] [ <vrf-rd> ] [ <vrf-state> ] [ <vrf-state-rsn> ] [
<vrf-pending-rd> ] [ { TABLE_af <af-id> [ <af-name> ] [ <af-table-id> ] [ <af-state> ] [ <af-state-rsn> ] [
<af-num-peers> ] [ <af-num-active-peers> ] [ <af-peer-routes> ] [ <af-peer-paths> ] [ <af-peer-networks> ]
[ <af-peer-aggregates> ] [ <af-export-rmap> ] [ <af-import-rmap> ] [ <af-retain-rt> ] [ TABLE_export_rt
<export-rt> ] [ TABLE_import_rt <import-rt> ] [ TABLE_evpn_export_rt <evpn-export-rt> ] [
TABLE_evpn_import_rt <evpn-import-rt> ] [ TABLE_mvpn_export_rt <mvpn-export-rt> ] [
TABLE_mvpn_import_rt <mvpn-import-rt> ] [ <af-label-mode> ] [ <af-aggregate-label> } } ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
l3vpn	BGP l3vpn information
vrf	(Optional) Virtual Router Context
detail	(Optional) Detailed information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional) Read Only
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional) VRF name
<i>vrf-id</i>	(Optional) VRF ID
<i>vrf-state</i>	(Optional) VRF State
<i>vrf-state-rsn</i>	(Optional) VRF State Reason
<i>vrf-rd</i>	(Optional) VRF RD
<i>vrf-pending-rd</i>	(Optional) VRF pending RD
TABLE_af	(Optional)
<i>af-id</i>	(Optional) AF ID
<i>af-table-id</i>	(Optional) AF table
<i>af-name</i>	(Optional) AF table name
<i>af-state</i>	(Optional) AF table state
<i>af-state-rsn</i>	(Optional) AF table state reason

<i>af-num-peers</i>	(Optional) No. of peers
<i>af-num-active-peers</i>	(Optional) No. of active peers
<i>af-peer-routes</i>	(Optional) No. of peer routes
<i>af-peer-paths</i>	(Optional) No. of peer paths
<i>af-peer-networks</i>	(Optional) No. of peer networks
<i>af-peer-aggregates</i>	(Optional) No. of aggregates
<i>af-export-rmap</i>	(Optional) Export route-map
<i>af-import-rmap</i>	(Optional) Import route-map
<i>af-retain-rt</i>	(Optional) Retain RT
TABLE_export_rt	(Optional)
<i>export-rt</i>	(Optional) Export route-target
TABLE_import_rt	(Optional)
<i>import-rt</i>	(Optional) Import route-target
TABLE_evpn_export_rt	(Optional)
<i>evpn-export-rt</i>	(Optional) Export EVPN route-target
TABLE_evpn_import_rt	(Optional)
<i>evpn-import-rt</i>	(Optional) Import EVPN route-target
TABLE_mvpn_export_rt	(Optional)
<i>mvpn-export-rt</i>	(Optional) Export MVPN route-target
TABLE_mvpn_import_rt	(Optional)
<i>mvpn-import-rt</i>	(Optional) Import MVPN route-target
<i>af-label-mode</i>	(Optional) Label allocation mode
<i>af-aggregate-label</i>	(Optional) Aggregate Label

Command Mode

- /exec

show bgp large-community

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } large-community
{ <regex-str> | { <large-comm-xyyzz> + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ _readonly_ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi
<safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] [
<rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [
<prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync>
<locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [
<locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status> <best> <type> [
<origin_as_validity_code> ] [ <statuscode> <bestcode> <typecode> { { <ipnexthop> | <ipv6nexthop> } } {
<inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric> ] [ <localpref> ] }
} } | { [ <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled>
<pathhistory> <pathvermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsource> [ <originalimportsource> ] ] [
<importdestscount> ] [ TABLE_importdests <importdest> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] [ <ipnexthop> | <ipv6nexthop> ] <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregators> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_orsgrgb_len> <psid_orsgrgb_flag> <psid_orsgrgb_base>
<psid_orsgrgb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <rpki_origin_as_validity> ] } } ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher

<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
large-community	Display routes matching the BGP large communities
<i>regexp-str</i>	Regular expression to match the large communities
<i>large-comm-xyyyzz</i>	Large Community value in xx:yy:zz format
exact-match	(Optional) Exact match of the large communities
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)

<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)

TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)

<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)

<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)

<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp neighbors

```

show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast |
link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn | ipv6 mvpn | ipv4 labeled-unicast } neighbors [ { <neighbor-id>
| <ipv6-neighbor-id> | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id> | <neighbor-interface> } ] [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ [ TABLE_neighbor
{ <neighbor> | <ipv6neighbor> | <templatepeer> | <ipv4prefixneighbor> | <ipv6prefixneighbor> |
<interfaceneighbor> } ] [ <remoteas> ] [ <localas> ] <link> [ <peertype> ] [ <index> ] [ { TABLE_conf-filter
<discard-attr> } ] [ { TABLE_filter <in-attr-type> <no-discard-attr> <dfilter-type> } ] [ { TABLE_conf-wfilter
<withdrawn-attr> } ] [ { TABLE_wfilter <in-wattr-type> <no-withdrawn-attr> <wfilter-type> } ] [ TABLE_peer
<peer> ] [ <maxprefixpeers> ] [ <configpeer> ] [ <inherit-template> ] [ <inherit-session-template> ] [ {
<prefix-parent> | <ipv6prefix-parent> | <interface-parent> } ] [ <description> ] [ <version> <remote-id>
<prevstate> <internalvpnclient> <state> <up> <vrf> [ <elapsedtime> ] [ <restarttime> ] ] [ <sourcecif> ] [
<updatesrc> ] [ <updatesrcname> ] [ <connectedif> ] [ <connectedcheck> ] [ <lowmemexempt> ] [ <bfd> ]
[ <bfdsessiontype> ] [ <bfdmintxinterval> ] [ <bfdminrxinterval> ] [ <bfdmultiplier> ] [ <bfdauthenticationtype>
] [ <ttlsecurity> ] [ <ttllimit> ] [ <dscp> ] [ <password> ] [ <passiveonly> ] [ <activepeers> <closingpeers>
<maxconcurrentpeers> ] [ <allocatedpeers> ] [ <totalpeersaccepted> ] [ <localas-inactive> ] <remove-privateas>
[ <gshut-activate> ] [ <gshut-map> ] { { [ <lastread> ] <holdtime> <keepalivetime> [ <lastwrite> ] [
<keepalive> ] <msgrecvd> <notificationsrcvd> <rcvbufbytesinq> <msgsent> <notificationssent>
<sentbytesoutstanding> <sentbytespacked> <enhancederr> <discardatrs> <connsestablished> <connsdropped>
[ <connattempts> ] [ <lastupdec> ] [ <lastupsent> ] { { [ <peerresetime> ] <peerresetreason> <errlenrcvd>
<errvalrcvd> <rstmajrcvd> <rstmnrcvd> [ <resetime> ] <resetreason> <errlensnt> <errvalsnt> <rstmajsent>
<rstmnsnt> } | { [ <resetime> ] <resetreason> <errlensnt> <errvalsnt> <rstmajsent> <rstmnsnt> [
<peerresetime> ] <peerresetreason> <errlenrcvd> <errvalrcvd> <rstmajrcvd> <rstmnrcvd> } } [
<capsnegotiated> <capmpadadvertised> [ <caprefreshadvertised> <capgrdynamicadvertised> ] [ <capmprecvd>
<caprefreshrcvd> <capgrdynamicrcvd> ] [ <capolddynamicadvertised> <capolddynamicrcvd>
<caprradvertised> <caprrrcvd> <capolddrradvertised> <capolddrrrcvd> <capas4advertised> <capas4rcvd>
] [ { TABLE_af <af-afi> TABLE_saf <af-safi> <af-advertised> <af-recvd> <af-name> } ] [ <capgradvertised>
<capgrrecvd> ] [ { TABLE_graf <gr-afi> TABLE_grsaf <gr-safi> <gr-af-name> <gr-adv> <gr-recv> <gr-fwd>
} ] [ <grrestarttime> <grstaletime> ] [ <grrecvdrestarttime> ] [ [ { TABLE_addpathscapaf <addpathscap-afi>
TABLE_addpathscapsaf <addpathscap-safi> <addpathscap-af-name> <addpathssendcap-adv>
<addpathsrecvcap-adv> <addpathssendcap-recv> <addpathsrecvcap-recv> } ] [ <capaddpathsadvertised>
<capaddpathsrecvd> ] ] [ <capextendednhadvertised> <capextendednhrecvd> ] [ { TABLE_capextendednhaf
<capextendednh-afi> TABLE_capextendednhsaf <capextendednh-safi> <capextendednh-af-name> } ] ] ] [
{ [ <configholdtime> <configkeepalivetime> } ] ] [ <epe> ] [ <epe-adj-sids> ] [ <epe-peer-rpc-set> ] [
<epe-peer-sid> ] [ <epe-peer-set-name> ] [ <epe-peer-set-rpc-set> ] [ <epe-peer-set-sid> ] [ { TABLE_epe-adj
{ { <epe-adj-ip-local> <epe-adj-ip-remote> } | { <epe-adj-ipv6-local> <epe-adj-ipv6-remote> } } ] [
<epe-adj-ifindex> <epe-adj-rpc-set> <epe-adj-sid> } ] [ <grstate> <gexpiry> ] [ <firstkeepalive> ] [
<openssent> <opensrecvd> <updatesent> <updatesrecvd> <keepalivesent> <keepaliverecvd> <rtrefreshsent>
<rtrefreshrecvd> <capabilitiesent> <capabilitiesrecvd> <bytesent> <bytesrecvd> ] [ TABLE_peraf <per-afi>
TABLE_persaf <per-safi> <per-af-name> [ <tableversion> ] [ <neighbortableversion> ] [ <pfxrecvd> ] [
<pathsrecvd> ] [ <pfxbytes> ] [ <pfxtreataswithdrawn> ] [ <pfxsent> ] [ <pathssent> ] [ <conditionmap>
<advertisemap> <advertisemapstatus> ] [ <insoftreconfigallowed> [ <insoftreconfigallowedalways> ] [
<sendcommunity> ] [ <sendextcommunity> ] [ { <localnexthop> | <ipv6localnexthop> } ] [ <thirdpartynexthop>
] [ <maxpfx> ] [ <maxpfx_threshold> ] [ <soo> ] [ <weight> ] [ <allowasin> ] [ <asoverride>
<peerascheckdisabled> [ <vplssignalingprotocol> ] [ { TABLE_inpolicy <inpolicynr> <inpolicytype>
<inpolicyname> [ <inpolicyhandle> } ] ] [ { TABLE_outpolicy <outpolicynr> <outpolicytype>
<outpolicyname> [ <outpolicyhandle> } ] ] [ <rrconfigured> <defaultoriginate> [ <defaultoriginatormap> ] [
<defaultsent> ] [ <grpathssaved> ] [ <firsteorrcvd> ] [ <firsteortime> ] [ <pathsflushed> ] [ <lasteorrcvtime>

```

```

]] [<lasteorsenttime> ] [<firstconvgttime> ] [<pfxsentfirstteor> ] [<unsuppress-map> ] [ {
TABLE_policy_template <preference> <inherit-policy-template> } ] ] [ [ <passivefd> ] [ { <localaddr> |
<ipv6localaddr> } <localport> { <remoteaddr> | <ipv6remoteaddr> } <remoteport> <fd> ] ] ] ]

```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	(Optional) Display details for a prefix peering
<i>neighbor-interface</i>	(Optional) Display details for BGP interface peering
ipv4	Display BGP information for IPv4 address family
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_neighbor	(Optional)
<i>neighbor</i>	(Optional)
<i>templatepeer</i>	(Optional)

<i>ipv4prefixneighbor</i>	(Optional)
<i>interfaceneighbor</i>	(Optional)
<i>remoteas</i>	(Optional)
<i>localas</i>	(Optional)
<i>link</i>	(Optional)
<i>index</i>	(Optional)
TABLE_conf-filter	(Optional)
<i>discard-attr</i>	(Optional) configured attributes those need to be discarded
TABLE_filter	(Optional)
<i>in-attr-type</i>	(Optional) matching discarded attribute
<i>no-discard-attr</i>	(Optional) number of matching attributes those are discarded
<i>dfilter-type</i>	(Optional) filter type in or out
TABLE_conf-wfilter	(Optional)
<i>withdrawn-attr</i>	(Optional) configured attributes those need to be withdrawn
TABLE_wfilter	(Optional)
<i>in-wattr-type</i>	(Optional) matching withdrawn attribute
<i>no-withdrawn-attr</i>	(Optional) number of matching attributes those are withdrawn
<i>wfilter-type</i>	(Optional) filter type in or out
TABLE_peer	(Optional)
<i>peer</i>	(Optional)
<i>maxprefixpeers</i>	(Optional)
<i>configpeer</i>	(Optional)
<i>inherit-template</i>	(Optional)
<i>inherit-session-template</i>	(Optional)
<i>prefix-parent</i>	(Optional)
<i>interface-parent</i>	(Optional)
<i>description</i>	(Optional)
<i>version</i>	(Optional)
<i>remote-id</i>	(Optional)

<i>state</i>	(Optional)
<i>prevstate</i>	(Optional)
<i>internalvpnclient</i>	(Optional)
<i>up</i>	(Optional)
<i>elapsedtime</i>	(Optional)
<i>restarttime</i>	(Optional)
<i>peertype</i>	(Optional)
<i>sourceif</i>	(Optional)
<i>updatesrc</i>	(Optional)
<i>updatesrcname</i>	(Optional)
<i>connectedif</i>	(Optional)
<i>connectedcheck</i>	(Optional)
<i>lowmemexempt</i>	(Optional)
<i>bfd</i>	(Optional)
<i>bfdsessiontype</i>	(Optional)
<i>bfdmintxinterval</i>	(Optional)
<i>bfdminrxinterval</i>	(Optional)
<i>bfdmultiplier</i>	(Optional)
<i>bfdauthenticationtype</i>	(Optional)
<i>ttlsecurity</i>	(Optional)
<i>ttllimit</i>	(Optional)
<i>dscp</i>	(Optional)
<i>localas-inactive</i>	(Optional)
<i>passiveonly</i>	(Optional)
<i>activepeers</i>	(Optional)
<i>closingpeers</i>	(Optional)
<i>maxconcurrentpeers</i>	(Optional)
<i>allocatedpeers</i>	(Optional)
<i>totalpeersaccepted</i>	(Optional)

<i>password</i>	(Optional)
<i>remove-privateas</i>	(Optional)
<i>gshut-activate</i>	(Optional)
<i>gshut-map</i>	(Optional)
<i>lastread</i>	(Optional)
<i>holdtime</i>	(Optional)
<i>keepalivetime</i>	(Optional)
<i>lastwrite</i>	(Optional)
<i>keepalive</i>	(Optional)
<i>msgrecvd</i>	(Optional)
<i>notificationsrcvd</i>	(Optional)
<i>recvbufbytesinq</i>	(Optional)
<i>msgsent</i>	(Optional)
<i>notificationssent</i>	(Optional)
<i>sentbytesoutstanding</i>	(Optional)
<i>sentbytespacked</i>	(Optional)
<i>enhancederr</i>	(Optional)
<i>discardattrs</i>	(Optional)
<i>connsestablished</i>	(Optional)
<i>connsdropped</i>	(Optional)
<i>connattempts</i>	(Optional)
<i>lastupdrecd</i>	(Optional)
<i>lastupdsent</i>	(Optional)
<i>peerresettime</i>	(Optional)
<i>peerresetreason</i>	(Optional)
<i>errlenrcvd</i>	(Optional)
<i>errvalrcvd</i>	(Optional)
<i>rstmajrcvd</i>	(Optional)
<i>rstminrcvd</i>	(Optional)

<i>errlensnt</i>	(Optional)
<i>errvalsnt</i>	(Optional)
<i>rstmajsnst</i>	(Optional)
<i>rstminsnt</i>	(Optional)
<i>resettime</i>	(Optional)
<i>resetreason</i>	(Optional)
<i>vrf</i>	(Optional)
<i>configholdtime</i>	(Optional)
<i>configkeepalivetime</i>	(Optional)
<i>grstate</i>	(Optional)
<i>gexpiry</i>	(Optional)
<i>firstkeepalive</i>	(Optional)
<i>epe</i>	(Optional)
<i>epe-adj-sids</i>	(Optional)
<i>epe-peer-rpc-set</i>	(Optional)
<i>epe-peer-sid</i>	(Optional)
<i>epe-peer-set-name</i>	(Optional)
<i>epe-peer-set-rpc-set</i>	(Optional)
<i>epe-peer-set-sid</i>	(Optional)
TABLE_ <i>epe-adj</i>	(Optional)
<i>epe-adj-ip-local</i>	(Optional)
<i>epe-adj-ip-remote</i>	(Optional)
<i>epe-adj-ifindex</i>	(Optional)
<i>epe-adj-rpc-set</i>	(Optional)
<i>epe-adj-sid</i>	(Optional)
<i>openssent</i>	(Optional)
<i>opensrecvd</i>	(Optional)
<i>updatesent</i>	(Optional)
<i>updatesrecvd</i>	(Optional)

<i>keepalivesent</i>	(Optional)
<i>keepaliverecvd</i>	(Optional)
<i>rtrefreshsent</i>	(Optional)
<i>rtrefreshrecvd</i>	(Optional)
<i>capabilitiesent</i>	(Optional)
<i>capabilitiesrecvd</i>	(Optional)
<i>bytessent</i>	(Optional)
<i>bytesrecvd</i>	(Optional)
<i>fd</i>	(Optional)
<i>passivefd</i>	(Optional)
<i>localaddr</i>	(Optional)
<i>localport</i>	(Optional)
<i>remoteaddr</i>	(Optional)
<i>remoteport</i>	(Optional)
<i>capsnegotiated</i>	(Optional)
<i>capmpadvertised</i>	(Optional)
<i>capgrdynamicadvertised</i>	(Optional)
<i>capaddpathsadvertised</i>	(Optional)
<i>caprefreshadvertised</i>	(Optional)
<i>capmprecvd</i>	(Optional)
<i>capgrdynamicrecvd</i>	(Optional)
<i>capaddpathsrecvd</i>	(Optional)
<i>caprefreshrecvd</i>	(Optional)
<i>capolddynamicadvertised</i>	(Optional)
<i>capolddynamicrecvd</i>	(Optional)
<i>caprradvertised</i>	(Optional)
<i>caprrrecvd</i>	(Optional)
<i>capoldrradvertised</i>	(Optional)
<i>capoldrrrecvd</i>	(Optional)

<i>capas4advertised</i>	(Optional)
<i>capas4recvd</i>	(Optional)
TABLE_af	(Optional)
<i>af-afi</i>	(Optional)
TABLE_saf	(Optional)
<i>af-safi</i>	(Optional)
<i>af-advertised</i>	(Optional)
<i>af-recvd</i>	(Optional)
<i>af-name</i>	(Optional)
<i>capgradvertised</i>	(Optional)
<i>capgrrecvd</i>	(Optional)
TABLE_graf	(Optional)
<i>gr-afi</i>	(Optional)
TABLE_grsaf	(Optional)
<i>gr-safi</i>	(Optional)
<i>gr-af-name</i>	(Optional)
<i>gr-adv</i>	(Optional)
<i>gr-recv</i>	(Optional)
<i>gr-fwd</i>	(Optional)
<i>grrestarttime</i>	(Optional)
<i>grstaletime</i>	(Optional)
<i>grrecvdrestarttime</i>	(Optional)
TABLE_addpathscapaf	(Optional)
<i>addpathscap-afi</i>	(Optional)
TABLE_addpathscapsaf	(Optional)
<i>addpathscap-safi</i>	(Optional)
<i>addpathscap-af-name</i>	(Optional)
<i>addpathssendcap-adv</i>	(Optional)
<i>addpathsrecvcap-adv</i>	(Optional)

<i>addpathssendcap-recv</i>	(Optional)
<i>addpathsrecvcap-recv</i>	(Optional)
<i>capextendednhadvertised</i>	(Optional)
<i>capextendednhrecvd</i>	(Optional)
TABLE_capextendednhaf	(Optional)
<i>capextendednh-afi</i>	(Optional)
TABLE_capextendednhsaf	(Optional)
<i>capextendednh-safi</i>	(Optional)
<i>capextendednh-af-name</i>	(Optional)
TABLE_peraf	(Optional)
<i>per-afi</i>	(Optional)
TABLE_persaf	(Optional)
<i>per-safi</i>	(Optional)
<i>per-af-name</i>	(Optional)
<i>tableversion</i>	(Optional)
<i>neighbortableversion</i>	(Optional)
<i>pfxrecvd</i>	(Optional)
<i>pathsrecvd</i>	(Optional)
<i>pfxbytes</i>	(Optional)
<i>pfxtreataswithdrawn</i>	(Optional)
<i>pfxsent</i>	(Optional)
<i>pathsent</i>	(Optional)
<i>conditionmap</i>	(Optional)
<i>advertisemap</i>	(Optional)
<i>advertisemapstatus</i>	(Optional)
<i>insoftreconfigallowed</i>	(Optional)
<i>insoftreconfigallowedalways</i>	(Optional)
<i>sendcommunity</i>	(Optional)
<i>sendextcommunity</i>	(Optional)

<i>maxpfx</i>	(Optional)
<i>maxpfx_threshold</i>	(Optional)
<i>localnexthop</i>	(Optional)
TABLE_inpolicy	(Optional)
<i>inpolicynr</i>	(Optional)
<i>inpolicytype</i>	(Optional)
<i>inpolicyname</i>	(Optional)
<i>inpolicyhandle</i>	(Optional)
TABLE_outpolicy	(Optional)
<i>outpolicynr</i>	(Optional)
<i>outpolicytype</i>	(Optional)
<i>outpolicyname</i>	(Optional)
<i>outpolicyhandle</i>	(Optional)
<i>rrconfigured</i>	(Optional)
<i>defaultoriginate</i>	(Optional)
<i>defaultoriginatemap</i>	(Optional)
<i>defaultsent</i>	(Optional)
<i>grpathssaved</i>	(Optional)
<i>firsteorrecvd</i>	(Optional)
<i>firsteortime</i>	(Optional)
<i>pathsflushed</i>	(Optional)
<i>lasteorrecvtime</i>	(Optional)
<i>lasteorsenttime</i>	(Optional)
<i>firstconvgttime</i>	(Optional)
<i>pfxsentfirsteor</i>	(Optional)
<i>unsuppress-map</i>	(Optional)
<i>thirdpartynexthop</i>	(Optional)
<i>soo</i>	(Optional)
<i>weight</i>	(Optional)

<i>allowasin</i>	(Optional)
<i>asoverride</i>	(Optional)
<i>peerascheckdisabled</i>	(Optional)
<i>vplssignalingprotocol</i>	(Optional)
TABLE_policy_template	(Optional)
<i>preference</i>	(Optional)
<i>inherit-policy-template</i>	(Optional)

Command Mode

- /exec

show bgp neighbors

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv4 labeled-unicast | ipv4
labeled-unicast | l2vpn evpn } neighbors { <neighbor-id> | <ipv6-neighbor-id> } { routes [ advertised | received
| dampened ] | advertised-routes | received-routes } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi
<safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] [
<rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [
<prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync>
<locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [
<locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status> <best> <type> [
<origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { { <ipnexthop> | <ipv6nexthop> } } {
<inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric> ] [ <localpref> ] }
} } | { [ <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled>
<pathhistory> <pathvermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsource> [ <originalimportsource> ] ] [
<importdestscount> ] [ TABLE_importdests <importdest> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenaalty> <dampenedtime> <flaps> <flaptime> <flapflaps> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <rpki_origin_as_validity> } } } ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family

vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 address family
labeled-unicast	Display BGP information for labeled-unicast address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
routes	Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
advertised-routes	Display all the routes advertised to this peer
received-routes	Display all the routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)

<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)

<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)

<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)

<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)

<i>psid_origrsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp neighbors commands

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpv4 unicast | vpv6 unicast | l2vpn evpn } neighbors {
<neighbor-id> | <ipv6-neighbor-id> } commands [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ __readonly__ [ { TABLE_sesscmd <sessioncmd> <sessioncmdstatus>
[ <sessioncmdtemplate> } ] ] [ TABLE_af <af-afi> TABLE_saf <af-safi> <af-name> [ { TABLE_polcmd
<policycmd> <policycmdstatus> [ <policycmdtemplate> } ] ] ] ] ] }
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
neighbors	Display all configured BGP neighbors
commands	Display details on commands
<code>__readonly__</code>	(Optional)
TABLE_sesscmd	(Optional)
<i>sessioncmd</i>	(Optional)
<i>sessioncmdstatus</i>	(Optional)
<i>sessioncmdtemplate</i>	(Optional)

TABLE_af	(Optional)
<i>af-afi</i>	(Optional)
TABLE_saf	(Optional)
<i>af-safi</i>	(Optional)
<i>af-name</i>	(Optional)
TABLE_polcmd	(Optional)
<i>polycmd</i>	(Optional)
<i>polycmdstatus</i>	(Optional)
<i>polycmdtemplate</i>	(Optional)

Command Mode

- /exec

show bgp neighbors flap-statistics

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } neighbors { <neighbor-id> | <ipv6-neighbor-id> } flap-statistics
[ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf
<vrf-name-out> [ TABLE_afi <afi> TABLE_safi <safi> <af-name> [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [
<rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ <dampening> <historypaths> <dampenedpaths> ] [
TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <status> ] [ <pathtype> ] [ <peer> | <ipv6peer>
] [ <flapcount> ] [ <duration> ] [ <reuse> ] [ <penalty> ] [ <suppresslimit> ] [ <reuselimit> ] [ <best> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
flap-statistics	Display flap statistics for routes received from this peer
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)

TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
<i>dampening</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>status</i>	(Optional)
<i>best</i>	(Optional)
<i>pathtype</i>	(Optional)
<i>peer</i>	(Optional)
<i>flapcount</i>	(Optional)
<i>duration</i>	(Optional)
<i>reuse</i>	(Optional)
<i>penalty</i>	(Optional)
<i>suppresslimit</i>	(Optional)
<i>reuselimit</i>	(Optional)

Command Mode

- /exec

show bgp neighbors paths

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] } { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | ipv4
labeled-unicast | link-state | l2vpn evpn } neighbors { <neighbor-id> | <ipv6-neighbor-id> } paths [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf
<vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ TABLE_id <id> <hashvalue> <refcount>
<metric> <aspath> ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
paths	Display AS paths learned from this peer
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)

TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
TABLE_id	(Optional)
<i>id</i>	(Optional)
<i>hashvalue</i>	(Optional)
<i>refcount</i>	(Optional)
<i>metric</i>	(Optional)
<i>aspath</i>	(Optional)

Command Mode

- /exec

show bgp path-attribute discard

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv4 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | link-state | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | l2vpn evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4
mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | ipv6 { unicast |
multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast
| ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } path-attribute { discard | unknown
} [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf
<vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd
[ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix>
| <ipv6prefix> | <nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist>
<suppressed> <needsresync> <locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist>
] [ <srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> [ <origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { <ipnexthop> |
<ipv6nexthop> } } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric>
] [ <localpref> ] } } } | { [ <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted>
<pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsource> [ <originalimportsource> ] ] [
<importdstscount> ] [ TABLE_importdsts <importdst> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <tpki_origin_as_validity> ] } } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name

<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
evpn	Display BGP information for L2VPN EVPN address family
mvpn	Display BGP information for MVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family
path-attribute	path attribute on a route
discard	discard the path attribute
unknown	unknown path attribute
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)

<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)

<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)

<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)

<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origrsrgb_len</i>	(Optional)

<i>psid_origrsrgb_flag</i>	(Optional)
<i>psid_origrsrgb_base</i>	(Optional)
<i>psid_origrsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp paths

```
show [ ip ] bgp paths [ __readonly__ TABLE_id <id> <hashvalue> <refcount> <metric> <aspath> <origin> ]
```

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
paths	Display Path information
__readonly__	(Optional)
TABLE_id	(Optional)
<i>id</i>	(Optional)
<i>hashvalue</i>	(Optional)
<i>refcount</i>	(Optional)
<i>metric</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)

Command Mode

- /exec

show bgp peer-template

```
show [ ip ] bgp peer-template [ <peer-template-name> ] [ __readonly__ { TABLE_neighbor <templatepeer>
[ <remotetas> ] [ <remoteasstype> ] [ <maxprefixpeers> ] [ <inherit-template> ] [ <inherit-session-template>
] [ { <prefix-parent> | <ipv6prefix-parent> | <interface-parent> } ] [ <description> ] [ <sourcecif> ] [ <updatesrc>
] [ <updatesrcname> ] [ <connectedcheck> ] [ <lowmemexempt> ] [ <bfd> ] [ <bfdsessiontype> ] [
<bfdmintxinterval> ] [ <bfdminrxinterval> ] [ <bfdmultiplier> ] [ <bfdauthenticationtype> ] [ <ttlsecurity> ]
[ <ttllimit> ] [ <dscp> ] [ <password> ] [ <passiveonly> ] <localas-inactive> [ <remove-privateas> ] [
<gshut-activate> ] [ <gshut-map> ] [ <configholdtime> <configkeepalivetime> ] [ TABLE_peraf <per-afi>
TABLE_persaf <per-safi> <per-af-name> [ <tableversion> ] [ <neighbortableversion> ] [ <pfxrecvd> ] [
<pathsrecvd> ] [ <pfxbytes> ] [ <pfxtreataswithdrawn> ] [ <pfxsent> ] [ <pathssent> ] [ <conditionmap>
<advertisemap> <advertisemapstatus> ] <insoftreconfigallowed> [ <insoftreconfigallowedalways> ] [
<sendcommunity> ] [ <sendextcommunity> ] [ { <localnexthop> | <ipv6localnexthop> } ] [ <thirdpartynexthop>
] [ <maxpfx> ] [ <maxpfx_threshold> ] [ <soo> ] [ <weight> ] [ <allowasin> ] <asoverride>
<peerascheckdisabled> [ <vplssignalingprotocol> ] [ { TABLE_inpolicy <inpolicynr> <inpolicytype>
<inpolicyname> [ <inpolicyhandle> } ] [ { TABLE_outpolicy <outpolicynr> <outpolicytype>
<outpolicyname> [ <outpolicyhandle> } ] [ <rrconfigured> <defaultoriginate> [ <defaultoriginatemap> ] [
<defaultsent> ] [ <grpatsaved> ] [ <firsteorecvd> ] [ <firsteortime> ] [ <pathsflushed> ] [ <lasteorrecoverytime>
] [ <lasteorsenttime> ] [ <firstconvtime> ] [ <pfxsentfirsteor> ] [ <unsuppress-map> ] [ {
TABLE_policy_template <preference> <inherit-policy-template> } ] [ TABLE_vrf <vrf-name> [
TABLE_inheritingpeer <inheritingpeer> [ <interface-parent> ] ] ] }
```

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-template	Display information about a peer-template
<i>peer-template-name</i>	(Optional) Peer-template name
<code>__readonly__</code>	(Optional)
TABLE_neighbor	(Optional)
<i>templatepeer</i>	(Optional)
<i>remotetas</i>	(Optional)
<i>remoteasstype</i>	(Optional)
<i>maxprefixpeers</i>	(Optional)
<i>inherit-template</i>	(Optional)
<i>inherit-session-template</i>	(Optional)
<i>prefix-parent</i>	(Optional)
<i>interface-parent</i>	(Optional)

<i>description</i>	(Optional)
<i>sourceif</i>	(Optional)
<i>updatesrc</i>	(Optional)
<i>updatesrcname</i>	(Optional)
<i>connectedcheck</i>	(Optional)
<i>lowmemexempt</i>	(Optional)
<i>bfd</i>	(Optional)
<i>bfdsessiontype</i>	(Optional)
<i>bfdmintxinterval</i>	(Optional)
<i>bfdminrxinterval</i>	(Optional)
<i>bfdmultiplier</i>	(Optional)
<i>bfdauthenticationtype</i>	(Optional)
<i>ttlsecurity</i>	(Optional)
<i>tllimit</i>	(Optional)
<i>dscp</i>	(Optional)
<i>passiveonly</i>	(Optional)
<i>password</i>	(Optional)
<i>localas-inactive</i>	(Optional)
<i>remove-privateas</i>	(Optional)
<i>gshut-activate</i>	(Optional)
<i>gshut-map</i>	(Optional)
<i>configholdtime</i>	(Optional)
<i>configkeepalivetime</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
TABLE_inheritingpeer	(Optional)
<i>inheritingpeer</i>	(Optional)
<i>interface-parent</i>	(Optional)
TABLE_peraf	(Optional)

<i>per-afi</i>	(Optional)
TABLE_persaf	(Optional)
<i>per-safi</i>	(Optional)
<i>per-af-name</i>	(Optional)
<i>tableversion</i>	(Optional)
<i>neighbortableversion</i>	(Optional)
<i>pxrcvd</i>	(Optional)
<i>pathsrcvd</i>	(Optional)
<i>pxbytes</i>	(Optional)
<i>pxtreataswithdrawn</i>	(Optional)
<i>pxsent</i>	(Optional)
<i>pathsent</i>	(Optional)
<i>conditionmap</i>	(Optional)
<i>advertisemap</i>	(Optional)
<i>advertisemapstatus</i>	(Optional)
<i>insoftreconfigallowed</i>	(Optional)
<i>insoftreconfigallowedalways</i>	(Optional)
<i>sendcommunity</i>	(Optional)
<i>sendextcommunity</i>	(Optional)
<i>maxpx</i>	(Optional)
<i>maxpx_threshold</i>	(Optional)
<i>localnexthop</i>	(Optional)
TABLE_inpolicy	(Optional)
<i>inpolicynr</i>	(Optional)
<i>inpolicytype</i>	(Optional)
<i>inpolicyname</i>	(Optional)
<i>inpolicyhandle</i>	(Optional)
TABLE_outpolicy	(Optional)
<i>outpolicynr</i>	(Optional)

<i>outpolicytype</i>	(Optional)
<i>outpolicyname</i>	(Optional)
<i>outpolicyhandle</i>	(Optional)
<i>rrconfigured</i>	(Optional)
<i>defaultoriginate</i>	(Optional)
<i>defaultoriginatemap</i>	(Optional)
<i>defaultsent</i>	(Optional)
<i>grpathssaved</i>	(Optional)
<i>firsteorrecvd</i>	(Optional)
<i>firsteortime</i>	(Optional)
<i>pathsflushed</i>	(Optional)
<i>lasteorrecvtime</i>	(Optional)
<i>lasteorsenttime</i>	(Optional)
<i>firstconvgttime</i>	(Optional)
<i>pfxsentfirsteor</i>	(Optional)
<i>unsuppress-map</i>	(Optional)
<i>thirdpartynexthop</i>	(Optional)
<i>soo</i>	(Optional)
<i>weight</i>	(Optional)
<i>allowasin</i>	(Optional)
<i>asoverride</i>	(Optional)
<i>peerascheckdisabled</i>	(Optional)
<i>vplssignalingprotocol</i>	(Optional)
TABLE_policy_template	(Optional)
<i>preference</i>	(Optional)
<i>inherit-policy-template</i>	(Optional)

Command Mode

- /exec

show bgp peer

```
show [ ip ] bgp { peer-session [ <session-template-name> ] | peer-policy [ <policy-template-name> ] } [
__readonly__ TABLE_template <template> <present> [ { TABLE_command <command> [ <polarity> ] [
<updatesource> ] [ <description> ] [ <multihop> ] [ <holdtime> ] [ <keepalive> ] [ <dscp> ] [ <routemapin>
] [ <routemapout> ] [ <filterlistin> ] [ <filterlistout> ] [ <prefixlistin> ] [ <prefixlistout> ] [ <maxprefixlimit>
] [ <defaultorigin> ] } ] [ { TABLE_vrf <vrf-name> { TABLE_peer <inheritingpeer> [ <interface-parent>
} } ] ] ]
```

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-session	Display information about a peer-session
peer-policy	Display information about a peer-policy
<i>session-template-name</i>	(Optional) Peer-session name
<i>policy-template-name</i>	(Optional) Peer-policy name
<i>__readonly__</i>	(Optional)
TABLE_template	(Optional)
<i>template</i>	(Optional)
<i>present</i>	(Optional)
TABLE_command	(Optional)
<i>command</i>	(Optional)
<i>polarity</i>	(Optional)
<i>updatesource</i>	(Optional)
<i>description</i>	(Optional)
<i>multihop</i>	(Optional)
<i>holdtime</i>	(Optional)
<i>keepalive</i>	(Optional)
<i>dscp</i>	(Optional)
<i>routemapin</i>	(Optional)
<i>routemapout</i>	(Optional)

<i>filterlistin</i>	(Optional)
<i>filterlistout</i>	(Optional)
<i>prefixlistin</i>	(Optional)
<i>prefixlistout</i>	(Optional)
<i>maxprefixlimit</i>	(Optional)
<i>defaultorigin</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
TABLE_peer	(Optional)
<i>inheritingpeer</i>	(Optional)
<i>interface-parent</i>	(Optional)

Command Mode

- /exec

show bgp prefix-list

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } } prefix-list { <prfxlist-name> | <test_pol_name> } [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out>
TABLE_afi <afi> TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [
<rd_vrf> ] [ <rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix>
| <nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed>
<needsresync> <locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [
<srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> [ <origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { <ipnexthop> |
<ipv6nexthop> } } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric>
] [ <localpref> ] } } } | { [ <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted>
<pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsource> [ <originalimportsource> ] ] [
<importdstscount> ] [ TABLE_importdsts <importdst> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <tpki_origin_as_validity> ] } } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
<i>test_pol_name</i>	An existing test-list policy
ipv4	Display BGP information for IPv4 address family

ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
rd-esi-desc	(Optional)
rd-esi	(Optional)
rd-seg-id	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)

<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)

<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregadoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)

<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)

<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)

<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp private attr

show bgp private attr [database | as-path | nve-peer | community | large-community | extcommunity | srte-policy | prefix-sid | srv6 | attrset] [brief]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
attr	Show BGP attributes
database	(Optional) Show attribute set table
as-path	(Optional) Show AS-PATH attribute table
nve-peer	(Optional) Show NVE peer attribute table
community	(Optional) Show community attribute table
large-community	(Optional) Show large community attribute table
extcommunity	(Optional) Show extended community attribute table
srte-policy	(Optional) Show SRTE policy attribute table
prefix-sid	(Optional) Show prefix SID attribute table
srv6	(Optional) Show SRv6 attribute table
attrset	(Optional) Show ATTRSET attribute table
brief	(Optional) Show brief info

Command Mode

- /exec

show bgp private debug history

show bgp private debug history { all | ead-es | es | mac | cloudsec }

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
debug	Debug
history	history
all	all
ead-es	ead-es
es	es
mac	mac
cloudsec	cloudsec

Command Mode

- /exec

show bgp process

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] process [ detail ] [
vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ [ <processid>
<protocolstartedreason> <protocoltag> <protocolasn> <protocolstate> [ <clibinarydone> <cliasciiidone> ]
<isolatemode> <gshut-aware> <gshut-activate> [ <gshut-map> ] <mmode> <memorystate> [
<mallocmemorystate> ] [ <platformmemorystate> ] [ <lowmemorytimer> ] [ <issu> ] <forwardingstatesaved>
<asformat> [ <fabricsoo> ] [ <srgbmin> <srgbmax> ] [ <epeconfiguredpeers> <epeactivepeers> ]
<attributeentries> <hwmattributeentries> <bytesused> <entriespendingdelete> <hwmentriespendingdelete>
<pathsperattribute> <aspathentries> <aspathbytes> ] TABLE_vrf <vrf-name-out> [ <vrf-id> ] [ <vrf-state>
] [ <vrf-state-rsn> ] [ <vrf-delete-pending> ] [ <vrf-evpn-mpls> ] [ <vrf-vni-id> ] [ <vrf-vni-id-valid> ] [
<vrf-topo-id> ] [ <vrf-encap-type> ] [ <vrf-vtep-ip> ] [ <vrf-vtep-virtual-ip> ] [ <vrf-vtep-vipr> ] [
<vrf-router-mac> ] [ <vrf-vip-router-mac> ] [ <vrf-vipr-router-mac> ] [ <vrf-router-id> ] [ <vrf-cfgd-id-auto>
] [ <vrf-cfgd-id> ] [ <vrf-if-router-id> ] [ <vrf-local-as> ] [ <vrf-confed-id> ] [ <vrf-cluster-id> ] [
<vrf-reconnect-interval> ] [ <vrf-peers> ] [ <vrf-pending-peers> ] [ <vrf-est-peers> ] [ <vrf-cfgd-max-as-limit>
] [ <vrf-max-as-limit> ] [ <vrf-rd-configured> ] [ <vrf-rd> ] [ <vrf-secondary-rd-configured> ] [
<vrf-secondary-rd> ] [ <vrf-pending-rd> ] [ <vrf-pending-secondary-rd> ] { TABLE_af <af-id> [ <af-name>
] [ <af-table-id> ] [ <af-state> ] [ <af-state-rsn> ] [ <af-num-peers> ] [ <af-num-active-peers> ] [
<af-peer-routes> ] [ <af-peer-paths> ] [ <af-peer-networks> ] [ <af-peer-aggregates> ] [ <af-export-rmap> ]
[ <af-import-rmap> ] [ <af-retain-rt> ] [ { TABLE_redist <protocol> <route-map> } ] <wait-igp-convergence>
[ { TABLE_add_paths_selection <route-map> } ] [ <af-retain-rt> ] [ TABLE_export_rt <export-rt> ] [
TABLE_import_rt <import-rt> ] [ TABLE_evpn_export_rt <evpn-export-rt> ] [ TABLE_evpn_import_rt
<evpn-import-rt> ] [ TABLE_mvpn_export_rt <mvpn-export-rt> ] [ TABLE_mvpn_import_rt <mvpn-import-rt>
] [ <af-label-mode> ] [ <af-aggregate-label> ] [ <af-alloc-index> ] [ <srv6-sid-locator-name> ] [
<srv6-sid-locator-id> ] [ <srv6-sid-locator-prefix> ] [ <srv6-sid-src-enc-address> ] [ <srv6-vrf-sid-alloc> ] [
<srv6-vrf-dt46-sid> ] [ <srv6-vrf-dt-sid-alloc-pending> ] [ <srv6-vrf-dt-sid-del-pending> ] [
<srv6-vrf-sid-alloc-pending-reason> ] [ <srv6-tbl-sid-alloc> ] [ <srv6-tbl-dt-type> ] [ <srv6-tbl-dt-sid> ] [
<srv6-tbl-dt-sid-alloc-pending> ] [ <srv6-tbl-dt-sid-del-pending> ] [ <srv6-tbl-dt-sid-alloc-pending-reason>
] [ <srv6-alloc-mode> ] [ <importdefault_prefixlimit> <importdefault_prefixcount> <importdefault_map>
<importdefault_advertisevpn> ] <import_vrf_advertisevpn> [ <exportdefault_prefixlimit>
<exportdefault_prefixcount> <exportdefault_map> <exportdefault_allowvpn> ] <export_vrf_allowvpn>
<af-rr> <default-information-enabled> [ <default-information-rd> <default-information-rt> ]
<nexthop-trigger-delay-critical> <nexthop-trigger-delay-non-critical> [ <nexthop-route-map> ] } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
process	BGP global information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<u>__readonly__</u>	(Optional) Read Only

<i>processid</i>	(Optional)
<i>protocolstartedreason</i>	(Optional)
<i>protocoltag</i>	(Optional)
<i>protocolasn</i>	(Optional)
<i>protocolstate</i>	(Optional)
<i>clibinarydone</i>	(Optional)
<i>cliasciidone</i>	(Optional)
<i>isolatemode</i>	(Optional)
<i>gshut-aware</i>	(Optional)
<i>gshut-activate</i>	(Optional)
<i>gshut-map</i>	(Optional)
<i>mmode</i>	(Optional)
<i>memorystate</i>	(Optional)
<i>mallocmemorystate</i>	(Optional)
<i>platformmemorystate</i>	(Optional)
<i>lowmemorytimer</i>	(Optional)
<i>issu</i>	(Optional)
<i>forwardingstatesaved</i>	(Optional)
<i>asformat</i>	(Optional)
<i>attributeentries</i>	(Optional)
<i>fabricsoo</i>	(Optional)
<i>srgbmin</i>	(Optional)
<i>srgbmax</i>	(Optional)
<i>epeconfiguredpeers</i>	(Optional)
<i>epeactivepeers</i>	(Optional)
<i>hwmattributeentries</i>	(Optional)
<i>bytesused</i>	(Optional)
<i>entriespendingdelete</i>	(Optional)
<i>hwmentriespendingdelete</i>	(Optional)

<i>pathsperattribute</i>	(Optional)
<i>aspathentries</i>	(Optional)
<i>aspathbytes</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional) VRF name
<i>vrf-id</i>	(Optional) VRF ID
<i>vrf-state</i>	(Optional) VRF State
<i>vrf-state-rsn</i>	(Optional) VRF State Reason
<i>vrf-delete-pending</i>	(Optional) VRF delete pending
<i>vrf-evpn-mpls</i>	(Optional) VRF EVPN L3 MPLS
<i>vrf-vni-id</i>	(Optional) VRF VNI ID
<i>vrf-vni-id-valid</i>	(Optional) VRF VNI ID validity
<i>vrf-topo-id</i>	(Optional) VRF Topo ID
<i>vrf-encap-type</i>	(Optional) VRF encapsulation type
<i>vrf-vtep-ip</i>	(Optional) VRF VTEP IP
<i>vrf-vtep-virtual-ip</i>	(Optional) VRF VTEP Virtual IP
<i>vrf-vtep-vipr</i>	(Optional) VRF VTEP Virtual IP for Re-origination
<i>vrf-router-mac</i>	(Optional) VRF Router MAC
<i>vrf-vip-router-mac</i>	(Optional) VRF VIP Router MAC
<i>vrf-vipr-router-mac</i>	(Optional) VRF VIPR Router MAC
<i>vrf-router-id</i>	(Optional) Router ID
<i>vrf-cfgd-id-auto</i>	(Optional) Configured Router-ID Auto
<i>vrf-cfgd-id</i>	(Optional) Configured Router-ID
<i>vrf-if-router-id</i>	(Optional) Interface Router-ID
<i>vrf-local-as</i>	(Optional) Local AS
<i>vrf-confed-id</i>	(Optional) Cluster-ID
<i>vrf-cluster-id</i>	(Optional) Cluster-ID
<i>vrf-reconnect-interval</i>	(Optional) VRF reconnect interval
<i>vrf-peers</i>	(Optional) No. of configured peers

<i>vrf-pending-peers</i>	(Optional) No. of pending peers
<i>vrf-est-peers</i>	(Optional) No. of established peers
<i>vrf-cfgd-max-as-limit</i>	(Optional) Configured maxas-limit
<i>vrf-max-as-limit</i>	(Optional) Active maxas-limit
<i>vrf-rd-configured</i>	(Optional) VRF RD Configured
<i>vrf-rd</i>	(Optional) VRF RD
<i>vrf-secondary-rd-configured</i>	(Optional) VRF Secondary RD Configured
<i>vrf-secondary-rd</i>	(Optional) VRF Secondary RD
<i>vrf-pending-rd</i>	(Optional) VRF pending RD
<i>vrf-pending-secondary-rd</i>	(Optional) VRF pending secondary RD
TABLE_af	(Optional)
<i>af-id</i>	(Optional) AF ID
<i>af-table-id</i>	(Optional) AF table
<i>af-name</i>	(Optional) AF table name
<i>af-state</i>	(Optional) AF table state
<i>af-state-rsn</i>	(Optional) AF table state reason
<i>af-num-peers</i>	(Optional) No. of peers
<i>af-num-active-peers</i>	(Optional) No. of active peers
<i>af-peer-routes</i>	(Optional) No. of peer routes
<i>af-peer-paths</i>	(Optional) No. of peer paths
<i>af-peer-networks</i>	(Optional) No. of peer networks
<i>af-peer-aggregates</i>	(Optional) No. of aggregates
<i>af-export-rmap</i>	(Optional) Export route-map
<i>af-import-rmap</i>	(Optional) Import route-map
<i>af-retain-rt</i>	(Optional) Retain RT
TABLE_redist	(Optional)
<i>protocol</i>	(Optional) Protocol
<i>route-map</i>	(Optional) Route Map
<i>wait-igp-convergence</i>	(Optional)

TABLE_add_paths_selection	(Optional)
<i>route-map</i>	(Optional) Route Map
<i>af-retain-rt</i>	(Optional) Retain route-target
TABLE_export_rt	(Optional)
<i>export-rt</i>	(Optional) Export route-target
TABLE_import_rt	(Optional)
<i>import-rt</i>	(Optional) Import route-target
TABLE_evpn_export_rt	(Optional)
<i>evpn-export-rt</i>	(Optional) Export EVPN route-target
TABLE_evpn_import_rt	(Optional)
<i>evpn-import-rt</i>	(Optional) Import EVPN route-target
TABLE_mvpn_export_rt	(Optional)
<i>mvpn-export-rt</i>	(Optional) Export MVPN route-target
TABLE_mvpn_import_rt	(Optional)
<i>mvpn-import-rt</i>	(Optional) Import MVPN route-target
<i>af-label-mode</i>	(Optional) Label allocation mode
<i>af-aggregate-label</i>	(Optional) Aggregate Label
<i>af-alloc-index</i>	(Optional) Allocate-Index
<i>srv6-alloc-mode</i>	(Optional) Srv6 sid allocation mode
<i>srv6-sid-locator-name</i>	(Optional) SRv6 SID Locator Name
<i>srv6-sid-locator-id</i>	(Optional) SRv6 SID Locator ID
<i>srv6-sid-src-enc-address</i>	(Optional) SRv6 Source Encap Address
<i>srv6-vrf-sid-alloc</i>	(Optional) SRv6 VRF SID Allocation Mode
<i>srv6-vrf-dt-sid-alloc-pending</i>	(Optional) Is SRv6 DT46 SID Allocation: Pending
<i>srv6-vrf-dt-sid-del-pending</i>	(Optional) Is SRv6 DT46 SID Deletion: Pending
<i>srv6-vrf-sid-alloc-pending-reason</i>	(Optional) SRv6 SID Allocation pending reason:
<i>srv6-tbl-sid-alloc</i>	(Optional) SRv6 table ctx SID allocation mode
<i>srv6-tbl-dt-type</i>	(Optional) SRv6 DT type
<i>srv6-tbl-dt-sid</i>	(Optional) SRv6 table per VRF SID :

<i>srv6-tbl-dt-sid-alloc-pending</i>	(Optional) SRv6 SID Allocation: Pending
<i>srv6-tbl-dt-sid-del-pending</i>	(Optional) SRv6 SID Deletion: Pending
<i>srv6-tbl-dt-sid-alloc-pending-reason</i>	(Optional) SRv6 SID Allocation Pending Reason
<i>importdefault_prefixlimit</i>	(Optional) Maximum number of prefixes allowed
<i>importdefault_prefixcount</i>	(Optional) Current number of prefixes
<i>importdefault_map</i>	(Optional) Configured route-map
<i>importdefault_advertisevpn</i>	(Optional) Advertise-vpn is enabled
<i>import_vrf_advertisevpn</i>	(Optional) Advertise-vpn is enabled
<i>exportdefault_prefixlimit</i>	(Optional) Maximum number of prefixes allowed
<i>exportdefault_prefixcount</i>	(Optional) Current number of prefixes
<i>exportdefault_map</i>	(Optional) Configured route-map
<i>exportdefault_allowvpn</i>	(Optional) Allow-vpn is enabled
<i>export_vrf_allowvpn</i>	(Optional) Allow-vpn is enabled
<i>af-rr</i>	(Optional) Is a Route-reflector
<i>default-information-enabled</i>	(Optional) Default-information originate is enabled
<i>default-information-rd</i>	(Optional) Default-information originate RD
<i>default-information-rt</i>	(Optional) Default-information originate RT
<i>nexthop-trigger-delay-critical</i>	(Optional)
<i>nexthop-trigger-delay-non-critical</i>	(Optional)
<i>nexthop-route-map</i>	(Optional)

Command Mode

- /exec

show bgp received-paths

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } received-paths
[ private ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__
TABLE_vrf<vrf-name-out> TABLE_afi<afi> TABLE_safi<safi> <af-name> [ <table-version> <router-id>
] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix
{ <ipprefix> | <ipv6prefix> | <nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist>
<on-xmitlist> <suppressed> <needsresync> <locked> ] [ <table-map-filtered> ] [ <export-on-newlist>
<export-on-xmitlist> ] [ <srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path
<pathnr> { { <status> <best> <type> [ <origin_as_validity_code> ] <statuscode> <bestcode> <typecode> {
<ipnexthop> | <ipv6nexthop> } } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath>
<origin> [ <metric> ] [ <localpref> ] } } } | [ { <policyincomplete> <pathvalid> <pathbest> <pathreoriginated>
<pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn>
<pathlocator> <path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> } [ <importsource> [
<originalimportsource> ] ] [ <importdestscount> ] [ TABLE_importdests <importdest> ] [ <existpath> ] [
<gwip> | <ipv6gwip> ] [ <aspath> <source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor>
| <ipv6neighbor> } <neighborid> <origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras>
<atomicaggregate> ] [ <inlabel> ] [ <originflag> ] [ { TABLE_community <community> } ] [ {
TABLE_largecommunity <largecommunity> } ] [ { TABLE_extcommunity <extcommunity> } ] [
<originatorid> { TABLE_clusterlist <clusterlist> } ] [ <flappenalty> <dampenedtime> <flaps> <flaptime>
<flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax> ] [ <con_type> <con_len>
<con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len> <psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len>
<psid_sub_type> <psid_v6sid> <psid_func_len> <psid_trans_len> <psid_trans_off> ] [ <psid_origrsrgb_len>
<psid_origrsrgb_flag> <psid_origrsrgb_base> <psid_origrsrgb_end> ] ] [ <remotenh> <remotenh_encap>
<remotenh_vnid> <remotenh_mac> ] [ <pmsi> ] [ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [
<tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [ TABLE_path_attr_list <path_attr_list> [ TABLE_attr
<attr_num> <attr_code_str> <attr_code_hex> <attr_flags> <attr_len> [ TABLE_attr_val <attr_value> ] ] ] [
<attrset_origin_as> <attrset_origin> <attrset_metric> <attrset_localpref> [ <attrset_aspath> ] [
<attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist> } ] ] [ <rpki_origin_as_validity> }
} ] [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto <scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
rd	(Optional) Display information for a route distinguisher

<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)

<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)

<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)

<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)

<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgh_len</i>	(Optional)

<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp regexp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } regexp <regexp-str> [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi>
TABLE_safi <safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [
<rd_vniid> ] [ <rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> |
<nonipprefix> } [ <prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed>
<needsresync> <locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [
<srv6-local-sid> ] [ <locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status>
<best> <type> [ <origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { <ipnexthop> |
<ipv6nexthop> } } { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [ <metric>
] [ <localpref> ] } } } | { <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted>
<pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> } [ <importsource> [ <originalimportsource> ] ] [
<importdstscount> ] [ TABLE_importdsts <importdst> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <rpki_origin_as_validity> ] } } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family

all	Display BGP information for all address families
regexp	Display routes matching the AS path regular expression
<i>regexp-str</i>	Regular expression to match the AS paths
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)

<i>scheduledto</i>	(Optional)
<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)

<i>importdestscount</i>	(Optional)
TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregators</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)

<i>outlabel</i>	(Optional)
<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)

<i>remotenh</i>	(Optional)
<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)

<i>attrset_origin</i>	(Optional)
<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp segment-routing srv6

```
show bgp segment-routing srv6 [ __readonly__ [ <locator-name> <locator-id> <locator-prefix> ] [ TABLE_vrf
<vrf-name-out> [ <vrf-srv6-sid> ] [ TABLE_af <af-name> <af-dt> <table-srv6-sid> ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
segment-routing	Display segment-routing informstion
srv6	Display segment-routing srv6 information
__readonly__	(Optional)
<i>locator-name</i>	(Optional)
<i>locator-id</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_af	(Optional)
<i>af-name</i>	(Optional)
<i>af-dt</i>	(Optional)

Command Mode

- /exec

show bgp self-originated

```

show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } self-originated [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi
<safi> <af-name> [ <table-version> <router-id> ] [ TABLE_rd [ <rd_val> [ <rd_vrf> ] [ <rd_vniid> ] [
<rd-esi-desc> <rd-esi> <rd-seg-id> ] ] [ TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [
<prefixversion> <totalpaths> <bestpathnr> [ <on-newlist> <on-xmitlist> <suppressed> <needsresync>
<locked> ] [ <table-map-filtered> ] [ <export-on-newlist> <export-on-xmitlist> ] [ <srv6-local-sid> ] [
<locallabel> ] [ <labelhldwstr> ] [ <mpath> ] ] { TABLE_path <pathnr> { { <status> <best> <type> [
<origin_as_validity_code> ] <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { {
<inlabel> <outlabel> <vpn> <hold_down> } } { <weight> <aspath> <origin> [ <metric> ] [ <localpref> ] }
} } | { [ <policyincomplete> <pathvalid> <pathbest> <pathreoriginated> <pathdeleted> <pathstaled>
<pathhistory> <pathvermaxaslimit> <pathmultipath> <pathnolabeledrn> <pathlocator>
<path-vpc-orphan-mac> <path-vpc-peer-orphan-mac> ] [ <importsource> [ <originalimportsource> ] ] [
<importdstscount> ] [ TABLE_importdsts <importdst> ] [ <existpath> ] [ <gwip> | <ipv6gwip> ] [ <aspath>
<source> ] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid>
<origin> [ <metric> ] <localpref> <weight> [ <aggregator> <aggregatoras> <atomicaggregate> ] [ <inlabel>
] [ <originflag> ] [ { TABLE_community <community> } ] [ { TABLE_largecommunity <largecommunity>
} ] [ { TABLE_extcommunity <extcommunity> } ] [ <originatorid> { TABLE_clusterlist <clusterlist> } ] [
<flappeny> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse>
<flapsuppress> <flapmax> ] [ <con_type> <con_len> <con_rd> <con_ip> ] [ <psid_len> [ <psid_lindx_len>
<psid_lindx_flag> <psid_lindx> ] [ <psid_v6sid_len> <psid_sub_type> <psid_v6sid> <psid_func_len>
<psid_trans_len> <psid_trans_off> ] [ <psid_origsrgrb_len> <psid_origsrgrb_flag> <psid_origsrgrb_base>
<psid_origsrgrb_end> ] ] [ <remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac> ] [ <pmsi> ]
[ <evpn-esi> ] [ <link-state-attr> <link-state-attr-len> ] [ <tunnel-encap-attr-len> ] [ <mdt_grp_addr> ] [
TABLE_path_attr_list <path_attr_list> [ TABLE_attr <attr_num> <attr_code_str> <attr_code_hex> <attr_flags>
<attr_len> [ TABLE_attr_val <attr_value> ] ] ] [ <attrset_origin_as> <attrset_origin> <attrset_metric>
<attrset_localpref> [ <attrset_aspath> ] [ <attrset_originatorid> { TABLE_attrset_clusterlist <attrset_clusterlist>
} ] ] [ <rpki_origin_as_validity> ] } } } [ TABLE_advertisedto <advertisedto> ] [ TABLE_scheduledto
<scheduledto> ] ] ] ]

```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family

all	Display BGP information for all address families
self-originated	Self originated routes
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi	(Optional)
<i>afi</i>	(Optional)
TABLE_safi	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>table-version</i>	(Optional)
<i>router-id</i>	(Optional)
TABLE_rd	(Optional)
<i>rd_val</i>	(Optional)
<i>rd_vrf</i>	(Optional)
<i>rd_vniid</i>	(Optional)
<i>rd-esi-desc</i>	(Optional)
<i>rd-esi</i>	(Optional)
<i>rd-seg-id</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>nonipprefix</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>bestpathnr</i>	(Optional)
<i>mpath</i>	(Optional)
TABLE_advertisedto	(Optional)
<i>advertisedto</i>	(Optional)
TABLE_scheduledto	(Optional)
<i>scheduledto</i>	(Optional)

<i>prefixversion</i>	(Optional)
<i>on-newlist</i>	(Optional)
<i>on-xmitlist</i>	(Optional)
<i>suppressed</i>	(Optional)
<i>needsresync</i>	(Optional)
<i>locked</i>	(Optional)
<i>table-map-filtered</i>	(Optional)
<i>export-on-newlist</i>	(Optional)
<i>export-on-xmitlist</i>	(Optional)
<i>locallabel</i>	(Optional)
<i>labelhldwstr</i>	(Optional)
TABLE_path	(Optional)
<i>pathnr</i>	(Optional)
<i>best</i>	(Optional)
<i>status</i>	(Optional)
<i>type</i>	(Optional)
<i>origin_as_validity_code</i>	(Optional)
<i>statuscode</i>	(Optional)
<i>bestcode</i>	(Optional)
<i>typecode</i>	(Optional)
<i>ipnexthop</i>	(Optional)
<i>neighbor</i>	(Optional)
<i>neighborid</i>	(Optional)
<i>metric</i>	(Optional)
<i>localpref</i>	(Optional)
<i>weight</i>	(Optional)
<i>importsource</i>	(Optional)
<i>originalimportsource</i>	(Optional)
<i>importdestscount</i>	(Optional)

TABLE_importdests	(Optional)
<i>importdest</i>	(Optional)
<i>existpath</i>	(Optional)
<i>gwip</i>	(Optional)
<i>aspath</i>	(Optional)
<i>origin</i>	(Optional)
<i>source</i>	(Optional)
<i>policyincomplete</i>	(Optional)
<i>pathvalid</i>	(Optional)
<i>pathbest</i>	(Optional)
<i>pathreoriginated</i>	(Optional)
<i>pathdeleted</i>	(Optional)
<i>pathstaled</i>	(Optional)
<i>pathhistory</i>	(Optional)
<i>pathmultipath</i>	(Optional)
<i>pathovermaxaslimit</i>	(Optional)
<i>pathnolabeledrn</i>	(Optional)
<i>pathlocator</i>	(Optional)
<i>path-vpc-orphan-mac</i>	(Optional)
<i>path-vpc-peer-orphan-mac</i>	(Optional)
<i>nexthopmetric</i>	(Optional)
<i>aggregator</i>	(Optional)
<i>aggregatoras</i>	(Optional)
<i>atomicaggregate</i>	(Optional)
<i>inlabel</i>	(Optional)
<i>originflag</i>	(Optional)
<i>vpn</i>	(Optional)
<i>hold_down</i>	(Optional)
<i>outlabel</i>	(Optional)

<i>flappenalty</i>	(Optional)
<i>dampenedtime</i>	(Optional)
<i>flaps</i>	(Optional)
<i>flaptime</i>	(Optional)
<i>flapflags</i>	(Optional)
<i>flapindex</i>	(Optional)
<i>flaphalflife</i>	(Optional)
<i>flapreuse</i>	(Optional)
<i>flapsuppress</i>	(Optional)
<i>flapmax</i>	(Optional)
<i>con_type</i>	(Optional)
<i>con_len</i>	(Optional)
<i>con_rd</i>	(Optional)
<i>con_ip</i>	(Optional)
<i>mdt_grp_addr</i>	(Optional)
<i>evpn-esi</i>	(Optional)
<i>link-state-attr</i>	(Optional)
<i>link-state-attr-len</i>	(Optional)
<i>tunnel-encap-attr-len</i>	(Optional)
TABLE_community	(Optional)
<i>community</i>	(Optional)
TABLE_largecommunity	(Optional)
<i>largecommunity</i>	(Optional)
TABLE_extcommunity	(Optional)
<i>extcommunity</i>	(Optional)
<i>originatorid</i>	(Optional)
TABLE_clusterlist	(Optional)
<i>clusterlist</i>	(Optional)
<i>remotenh</i>	(Optional)

<i>remotenh_encap</i>	(Optional)
<i>remotenh_vnid</i>	(Optional)
<i>remotenh_mac</i>	(Optional)
<i>pmsi</i>	(Optional)
<i>psid_len</i>	(Optional)
<i>psid_lindx_len</i>	(Optional)
<i>psid_lindx_flag</i>	(Optional)
<i>psid_lindx</i>	(Optional)
<i>psid_v6sid_len</i>	(Optional)
<i>psid_sub_type</i>	(Optional)
<i>psid_func_len</i>	(Optional)
<i>psid_trans_len</i>	(Optional)
<i>psid_trans_off</i>	(Optional)
<i>psid_origsrgb_len</i>	(Optional)
<i>psid_origsrgb_flag</i>	(Optional)
<i>psid_origsrgb_base</i>	(Optional)
<i>psid_origsrgb_end</i>	(Optional)
TABLE_path_attr_list	(Optional)
<i>path_attr_list</i>	(Optional)
TABLE_attr	(Optional)
<i>attr_num</i>	(Optional)
<i>attr_code_str</i>	(Optional)
<i>attr_code_hex</i>	(Optional)
<i>attr_len</i>	(Optional)
<i>attr_flags</i>	(Optional)
TABLE_attr_val	(Optional)
<i>attr_value</i>	(Optional)
<i>attrset_origin_as</i>	(Optional)
<i>attrset_origin</i>	(Optional)

<i>attrset_metric</i>	(Optional)
<i>attrset_localpref</i>	(Optional)
<i>attrset_aspath</i>	(Optional)
<i>attrset_originatorid</i>	(Optional)
TABLE_attrset_clusterlist	(Optional)
<i>attrset_clusterlist</i>	(Optional)
<i>rpki_origin_as_validity</i>	(Optional)

Command Mode

- /exec

show bgp sessions

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] sessions [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__ <totalpeers>
<totalestablishedpeers> <localas> TABLE_vrf <vrf-name-out> <local-as> <vrfpeers> <vrfestablishedpeers>
<router-id> [ TABLE_neighbor <neighbor-id> <connectionsdropped> [ <interface-parent> ] <remoteas> [
<lastflap> ] [ <lastread> ] [ <lastwrite> ] <state> <localport> <remoteport> <notificationssent>
<notificationreceived> ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
sessions	Display session information for all peers
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>local-as</i>	(Optional)
<i>totalpeers</i>	(Optional)
<i>totalestablishedpeers</i>	(Optional)
<i>router-id</i>	(Optional)
<i>localas</i>	(Optional)
<i>vrfpeers</i>	(Optional)
<i>vrfestablishedpeers</i>	(Optional)
TABLE_neighbor	(Optional)
<i>neighbor-id</i>	(Optional)
<i>connectionsdropped</i>	(Optional)
<i>remoteas</i>	(Optional)
<i>interface-parent</i>	(Optional)
<i>lastflap</i>	(Optional)

<i>lastread</i>	(Optional)
<i>lastwrite</i>	(Optional)
<i>state</i>	(Optional)
<i>localport</i>	(Optional)
<i>remoteport</i>	(Optional)
<i>notificationssent</i>	(Optional)
<i>notificationsreceived</i>	(Optional)

Command Mode

- /exec

show bgp statistics

```
show bgp statistics [ __readonly__ <msgsent> <msgrcvd> <bytesent> <bytercvd> <opensent> <openrcvd>
<updatesent> <updaterecvd> <kasent> <karecvd> <notifsent> <notifrcvd> <rrefreshsent> <rrefreshrcvd>
<capsent> <caprcvd> ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
statistics	BGP global statistics
<i>__readonly__</i>	(Optional)
<i>msgsent</i>	(Optional)
<i>msgrcvd</i>	(Optional)
<i>bytesent</i>	(Optional)
<i>bytercvd</i>	(Optional)
<i>opensent</i>	(Optional)
<i>openrcvd</i>	(Optional)
<i>updatesent</i>	(Optional)
<i>updaterecvd</i>	(Optional)
<i>kasent</i>	(Optional)
<i>karecvd</i>	(Optional)
<i>notifsent</i>	(Optional)
<i>notifrcvd</i>	(Optional)
<i>rrefreshsent</i>	(Optional)
<i>rrefreshrcvd</i>	(Optional)
<i>capsent</i>	(Optional)
<i>caprcvd</i>	(Optional)

Command Mode

- /exec

show bgp summary

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } summary [ __readonly__ TABLE_vrf <vrf-name-out> [ <vrf-id>
] [ <vrf-state> ] [ <vrf-state-rsn> ] [ <vrf-delete-pending> ] [ <vrf-evpn-mpls> ] [ <vrf-vni-id> ] [
<vrf-vni-id-valid> ] [ <vrf-topo-id> ] [ <vrf-encap-type> ] [ <vrf-vtep-ip> ] [ <vrf-vtep-virtual-ip> ] [
<vrf-vtep-vip> ] [ <vrf-router-mac> ] [ <vrf-vip-router-mac> ] [ <vrf-vipr-router-mac> ] [ <vrf-router-id> ]
[ <vrf-cfgd-id-auto> ] [ <vrf-cfgd-id> ] [ <vrf-if-router-id> ] [ <vrf-local-as> ] [ <vrf-confed-id> ] [
<vrf-cluster-id> ] [ <vrf-reconnect-interval> ] [ <vrf-peers> ] [ <vrf-pending-peers> ] [ <vrf-est-peers> ] [
<vrf-cfgd-max-as-limit> ] [ <vrf-max-as-limit> ] [ <vrf-rd-configured> ] [ <vrf-rd> ] [
<vrf-secondary-rd-configured> ] [ <vrf-secondary-rd> ] [ <vrf-pending-rd> ] [ <vrf-pending-secondary-rd>
] [ TABLE_af <af-id> [ <af-name> ] [ <af-table-id> ] [ <af-state> ] [ <af-state-rsn> ] [ <af-num-peers> ] [
<af-num-active-peers> ] [ <af-peer-routes> ] [ <af-peer-paths> ] [ <af-peer-networks> ] [ <af-peer-aggregates>
] [ <af-export-rmap> ] [ <af-import-rmap> ] [ <af-retain-rt> ] TABLE_saf <safi> [ <af-name> ] [ <tableversion>
] [ <configuredpeers> ] [ <capablepeers> ] [ <totalnetworks> ] [ <totalpaths> ] [ <memoryused> ] [
<numberattrs> ] [ <bytesattrs> ] [ <numberpaths> ] [ <bytespaths> ] [ <numbercommunities> ] [
<bytescommunities> ] [ <numberclusterlist> ] [ <bytesclusterlist> ] [ <dampening> ] [ <historypaths> ] [
<dampenedpaths> ] [ <softreconfigrecvdpaths> ] [ <softreconfigidenticalpaths> ] [ <softreconfigcombopath>
] [ <softreconfigfilteredrecvd> ] [ <softreconfigbytes> ] [ TABLE_neighbor <neighborid> [ <neighborversion>
] [ <msgrecvd> ] [ <msgsent> ] [ <neighbortableversion> ] [ <inq> ] [ <outq> ] [ <neighbors> ] [ <time> ]
[ <state> ] [ <prefixreceived> ] [ <interface-parent> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional) VRF name
<i>vrf-id</i>	(Optional) VRF ID

<i>vrf-state</i>	(Optional) VRF State
<i>vrf-state-rsn</i>	(Optional) VRF State Reason
<i>vrf-delete-pending</i>	(Optional) VRF delete pending
<i>vrf-evpn-mpls</i>	(Optional) VRF EVPN L3 MPLS
<i>vrf-vni-id</i>	(Optional) VRF VNI ID
<i>vrf-vni-id-valid</i>	(Optional) VRF VNI ID validity
<i>vrf-topo-id</i>	(Optional) VRF Topo ID
<i>vrf-encap-type</i>	(Optional) VRF encapsulation type
<i>vrf-vtep-ip</i>	(Optional) VRF VTEP IP
<i>vrf-vtep-virtual-ip</i>	(Optional) VRF VTEP Virtual IP
<i>vrf-vtep-vipr</i>	(Optional) VRF VTEP Virtual IP for Re-origination
<i>vrf-router-mac</i>	(Optional) VRF Router MAC
<i>vrf-vip-router-mac</i>	(Optional) VRF VIP Router MAC
<i>vrf-vipr-router-mac</i>	(Optional) VRF VIPR Router MAC
<i>vrf-router-id</i>	(Optional) Router ID
<i>vrf-cfgd-id-auto</i>	(Optional) Configured Router-ID Auto
<i>vrf-cfgd-id</i>	(Optional) Configured Router-ID
<i>vrf-if-router-id</i>	(Optional) Interface Router-ID
<i>vrf-local-as</i>	(Optional) Local AS
<i>vrf-confed-id</i>	(Optional) Cluster-ID
<i>vrf-cluster-id</i>	(Optional) Cluster-ID
<i>vrf-reconnect-interval</i>	(Optional) VRF reconnect interval
<i>vrf-peers</i>	(Optional) No. of configured peers
<i>vrf-pending-peers</i>	(Optional) No. of pending peers
<i>vrf-est-peers</i>	(Optional) No. of established peers
<i>vrf-cfgd-max-as-limit</i>	(Optional) Configured maxas-limit
<i>vrf-max-as-limit</i>	(Optional) Active maxas-limit
<i>vrf-rd-configured</i>	(Optional) VRF RD Configured
<i>vrf-rd</i>	(Optional) VRF RD

<i>vrf-secondary-rd-configured</i>	(Optional) VRF Secondary RD Configured
<i>vrf-secondary-rd</i>	(Optional) VRF Secondary RD
<i>vrf-pending-rd</i>	(Optional) VRF pending RD
<i>vrf-pending-secondary-rd</i>	(Optional) VRF pending secondary RD
TABLE_af	(Optional)
<i>af-id</i>	(Optional) AF ID
<i>af-table-id</i>	(Optional) AF table
<i>af-name</i>	(Optional) AF table name
<i>af-state</i>	(Optional) AF table state
<i>af-state-rsn</i>	(Optional) AF table state reason
<i>af-num-peers</i>	(Optional) No. of peers
<i>af-num-active-peers</i>	(Optional) No. of active peers
<i>af-peer-routes</i>	(Optional) No. of peer routes
<i>af-peer-paths</i>	(Optional) No. of peer paths
<i>af-peer-networks</i>	(Optional) No. of peer networks
<i>af-peer-aggregates</i>	(Optional) No. of aggregates
<i>af-export-rmap</i>	(Optional) Export route-map
<i>af-import-rmap</i>	(Optional) Import route-map
<i>af-retain-rt</i>	(Optional) Retain RT
TABLE_saf	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>tableversion</i>	(Optional)
<i>configuredpeers</i>	(Optional)
<i>capablepeers</i>	(Optional)
<i>totalnetworks</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>memoryused</i>	(Optional)
<i>numberattrs</i>	(Optional)

<i>bytesattrs</i>	(Optional)
<i>numberpaths</i>	(Optional)
<i>bytespaths</i>	(Optional)
<i>numbercommunities</i>	(Optional)
<i>bytescommunities</i>	(Optional)
<i>numberclusterlist</i>	(Optional)
<i>bytesclusterlist</i>	(Optional)
<i>dampening</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
<i>softreconfigrecvdpaths</i>	(Optional)
<i>softreconfigidenticalpaths</i>	(Optional)
<i>softreconfigcombopaths</i>	(Optional)
<i>softreconfigfilteredrecvd</i>	(Optional)
<i>softreconfigbytes</i>	(Optional)
TABLE_neighbor	(Optional)
<i>neighborid</i>	(Optional)
<i>neighborversion</i>	(Optional)
<i>neighboras</i>	(Optional)
<i>msgrecvd</i>	(Optional)
<i>msgsent</i>	(Optional)
<i>neighbortableversion</i>	(Optional)
<i>inq</i>	(Optional)
<i>outq</i>	(Optional)
<i>time</i>	(Optional)
<i>state</i>	(Optional)
<i>prefixreceived</i>	(Optional)
<i>interface-parent</i>	(Optional)

Command Mode

- /exec

show bgp summary

```
show bgp { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt | vpnv4 unicast | vpnv6 unicast
| ipv6 labeled-unicast | link-state | l2vpn vpls | ipv4 mvpn | ipv6 mvpn | l2vpn evpn | ipv4 labeled-unicast | all
} summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ __readonly__
TABLE_vrf <vrf-name-out> ] [ <vrf-id> ] [ <vrf-state> ] [ <vrf-state-rsn> ] [ <vrf-delete-pending> ] [
<vrf-evpn-mpls> ] [ <vrf-vni-id> ] [ <vrf-vni-id-valid> ] [ <vrf-topo-id> ] [ <vrf-encap-type> ] [ <vrf-vtep-ip>
] [ <vrf-vtep-virtual-ip> ] [ <vrf-vtep-vipr> ] [ <vrf-router-mac> ] [ <vrf-vip-router-mac> ] [
<vrf-vipr-router-mac> ] [ <vrf-router-id> ] [ <vrf-cfgd-id-auto> ] [ <vrf-cfgd-id> ] [ <vrf-if-router-id> ] [
<vrf-local-as> ] [ <vrf-confed-id> ] [ <vrf-cluster-id> ] [ <vrf-reconnect-interval> ] [ <vrf-peers> ] [
<vrf-pending-peers> ] [ <vrf-est-peers> ] [ <vrf-cfgd-max-as-limit> ] [ <vrf-max-as-limit> ] [
<vrf-rd-configured> ] [ <vrf-rd> ] [ <vrf-secondary-rd-configured> ] [ <vrf-secondary-rd> ] [ <vrf-pending-rd>
] [ <vrf-pending-secondary-rd> ] [ TABLE_af <af-id> [ <af-name> ] [ <af-table-id> ] [ <af-state> ] [
<af-state-rsn> ] [ <af-num-peers> ] [ <af-num-active-peers> ] [ <af-peer-routes> ] [ <af-peer-paths> ] [
<af-peer-networks> ] [ <af-peer-aggregates> ] [ <af-export-rmap> ] [ <af-import-rmap> ] [ <af-retain-rt> ]
TABLE_saf <safi> [ <af-name> ] [ <tableversion> ] [ <configuredpeers> ] [ <capablepeers> ] [ <totalnetworks>
] [ <totalpaths> ] [ <memoryused> ] [ <numberattrs> ] [ <bytesattrs> ] [ <numberpaths> ] [ <bytespaths> ] [
<numbercommunities> ] [ <bytescommunities> ] [ <numberclusterlist> ] [ <bytesclusterlist> ] [ <dampening>
] [ <historypaths> ] [ <dampenedpaths> ] [ <softreconfigrecvdpaths> ] [ <softreconfigidenticalpaths> ] [
<softreconfigcombopath> ] [ <softreconfigfilteredrecvd> ] [ <softreconfigbytes> ] [ TABLE_neighbor
<neighborid> [ <neighborversion> ] [ <msgrecvd> ] [ <msgsent> ] [ <neighbortableversion> ] [ <inq> ] [
<outq> ] [ <neighboras> ] [ <time> ] [ <state> ] [ <prefixreceived> ] [ <interface-parent> ] ] ] ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
mdt	Display BGP information for multicast distribution tree

link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional) VRF name
vrf-id	(Optional) VRF ID
vrf-state	(Optional) VRF State
vrf-state-rsn	(Optional) VRF State Reason
vrf-delete-pending	(Optional) VRF delete pending
vrf-evpn-mpls	(Optional) VRF EVPN L3 MPLS
vrf-vni-id	(Optional) VRF VNI ID
vrf-vni-id-valid	(Optional) VRF VNI ID validity
vrf-topo-id	(Optional) VRF Topo ID
vrf-encap-type	(Optional) VRF encapsulation type
vrf-vtep-ip	(Optional) VRF VTEP IP
vrf-vtep-virtual-ip	(Optional) VRF VTEP Virtual IP
vrf-vtep-vipr	(Optional) VRF VTEP Virtual IP for Re-origination
vrf-router-mac	(Optional) VRF Router MAC
vrf-vip-router-mac	(Optional) VRF VIP Router MAC
vrf-vipr-router-mac	(Optional) VRF VIPR Router MAC
vrf-router-id	(Optional) Router ID
vrf-cfgd-id-auto	(Optional) Configured Router-ID Auto
vrf-cfgd-id	(Optional) Configured Router-ID
vrf-if-router-id	(Optional) Interface Router-ID
vrf-local-as	(Optional) Local AS

<i>vrf-confed-id</i>	(Optional) Cluster-ID
<i>vrf-cluster-id</i>	(Optional) Cluster-ID
<i>vrf-reconnect-interval</i>	(Optional) VRF reconnect interval
<i>vrf-peers</i>	(Optional) No. of configured peers
<i>vrf-pending-peers</i>	(Optional) No. of pending peers
<i>vrf-est-peers</i>	(Optional) No. of established peers
<i>vrf-cfgd-max-as-limit</i>	(Optional) Configured maxas-limit
<i>vrf-max-as-limit</i>	(Optional) Active maxas-limit
<i>vrf-rd-configured</i>	(Optional) VRF RD Configured
<i>vrf-rd</i>	(Optional) VRF RD
<i>vrf-secondary-rd-configured</i>	(Optional) VRF Secondary RD Configured
<i>vrf-secondary-rd</i>	(Optional) VRF Secondary RD
<i>vrf-pending-rd</i>	(Optional) VRF pending RD
<i>vrf-pending-secondary-rd</i>	(Optional) VRF pending secondary RD
TABLE_af	(Optional)
<i>af-id</i>	(Optional) AF ID
<i>af-table-id</i>	(Optional) AF table
<i>af-name</i>	(Optional) AF table name
<i>af-state</i>	(Optional) AF table state
<i>af-state-rsn</i>	(Optional) AF table state reason
<i>af-num-peers</i>	(Optional) No. of peers
<i>af-num-active-peers</i>	(Optional) No. of active peers
<i>af-peer-routes</i>	(Optional) No. of peer routes
<i>af-peer-paths</i>	(Optional) No. of peer paths
<i>af-peer-networks</i>	(Optional) No. of peer networks
<i>af-peer-aggregates</i>	(Optional) No. of aggregates
<i>af-export-rmap</i>	(Optional) Export route-map
<i>af-import-rmap</i>	(Optional) Import route-map
<i>af-retain-rt</i>	(Optional) Retain RT

TABLE_saf	(Optional)
<i>safi</i>	(Optional)
<i>af-name</i>	(Optional)
<i>tableversion</i>	(Optional)
<i>configuredpeers</i>	(Optional)
<i>capablepeers</i>	(Optional)
<i>totalnetworks</i>	(Optional)
<i>totalpaths</i>	(Optional)
<i>memoryused</i>	(Optional)
<i>numberattrs</i>	(Optional)
<i>bytesattrs</i>	(Optional)
<i>numberpaths</i>	(Optional)
<i>bytespaths</i>	(Optional)
<i>numbercommunities</i>	(Optional)
<i>bytescommunities</i>	(Optional)
<i>numberclusterlist</i>	(Optional)
<i>bytesclusterlist</i>	(Optional)
<i>dampening</i>	(Optional)
<i>historypaths</i>	(Optional)
<i>dampenedpaths</i>	(Optional)
<i>softreconfigrecvdpaths</i>	(Optional)
<i>softreconfigidenticalpaths</i>	(Optional)
<i>softreconfigcombopaths</i>	(Optional)
<i>softreconfigfilteredrecvd</i>	(Optional)
<i>softreconfigbytes</i>	(Optional)
TABLE_neighbor	(Optional)
<i>neighborid</i>	(Optional)
<i>neighborversion</i>	(Optional)
<i>neighboras</i>	(Optional)

<i>msgrecvd</i>	(Optional)
<i>msgsent</i>	(Optional)
<i>neighbortableversion</i>	(Optional)
<i>inq</i>	(Optional)
<i>outq</i>	(Optional)
<i>time</i>	(Optional)
<i>state</i>	(Optional)
<i>prefixreceived</i>	(Optional)
<i>interface-parent</i>	(Optional)

Command Mode

- /exec

show boot

```
show boot [ __readonly__ { [ TABLE_bootvar_show <Str1> ] [ TABLE_Current_Bootvar
<current_sup_module> <current_image> [ <current_sup_module> ] [ <current_image> ] <current_poap_status>
+ [ <current_exclude_cfg> ] ] [ TABLE_Startup_Bootvar <start_sup_module> <start_image> [
<start_sup_module> ] [ <start_image> ] <start_poap_status> + [ <configured_exclude_cfg> ] ] } ]
```

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
__readonly__	(Optional)
TABLE_bootvar_show	(Optional) Bootvar table
TABLE_Current_Bootvar	(Optional) Table for current boot variables
TABLE_Startup_Bootvar	(Optional) Table for boot variables on next reload
<i>Str1</i>	(Optional)
<i>current_sup_module</i>	(Optional) Current boot variable supervisor module
<i>current_image</i>	(Optional) Current image set for boot variable
<i>current_poap_status</i>	(Optional) Current status for poap
<i>current_exclude_cfg</i>	(Optional) current value of exclude_cfg
<i>start_sup_module</i>	(Optional) Next reload supervisor module
<i>start_image</i>	(Optional) Next reload boot variable
<i>start_poap_status</i>	(Optional) Next reload poap status
<i>configured_exclude_cfg</i>	(Optional) configured value of exclude_cfg in running config

Command Mode

- /exec

show boot auto-copy

```
show boot auto-copy [ __readonly__ { [ TABLE_auto_copy <Str1> <status> ] } ]
```

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autocopy is turned on
__readonly__	(Optional)
TABLE_auto_copy	(Optional) Auto copy table
<i>Str1</i>	(Optional)
<i>status</i>	(Optional) status of auto copy is enable/disable

Command Mode

- /exec

show boot auto-copy list

show boot auto-copy list [__readonly__ { [TABLE_auto_copy_list <Str1> <file>] }]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autcopy is turned on
list	Show the list of files to be auto-copied
__readonly__	(Optional)
TABLE_auto_copy_list	(Optional) Auto copy table
<i>Str1</i>	(Optional)
<i>file</i>	(Optional) file in the auto copy list

Command Mode

- /exec

show boot current

```
show boot current [ __readonly__ { [ TABLE_bootvar_current <Str1> ] [ TABLE_current_bootvar
<current_sup_module> <current_image> [ <current_sup_module> ] [ <current_image> ] ] } ]
```

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
current	Show Current Bootvar Variables
<i>__readonly__</i>	(Optional)
<i>TABLE_bootvar_current</i>	(Optional) Bootvar current table
<i>TABLE_current_bootvar</i>	(Optional) Current booted image table
<i>Str1</i>	(Optional)
<i>current_sup_module</i>	(Optional) Current boot variable supervisor module
<i>current_image</i>	(Optional) Current image set for boot variable

Command Mode

- /exec

show boot mode

```
show boot mode [ __readonly__ { [ TABLE_mode <Str1> <current_boot_mode> [ <configured_boot_mode> ] ] } ]
```

Syntax Description

show	Show boot mode information
boot	Show boot mode
mode	See if lxc boot is turned on
<i>__readonly__</i>	(Optional)
<i>TABLE_mode</i>	(Optional) boot mode table
<i>Str1</i>	(Optional)
<i>current_boot_mode</i>	(Optional) current running boot mode
<i>configured_boot_mode</i>	(Optional) configured boot mode in running config

Command Mode

- /exec

show boot order

```
show boot order [ __readonly__ { [ TABLE_bootvar_order <Str1> ] [ TABLE_boot_order <current_order>
<next_order> ] } ]
```

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
order	Show Boot Order
__readonly__	(Optional)
TABLE_bootvar_order	(Optional) Boot order table
TABLE_boot_order	(Optional) Current boot order table
<i>Str1</i>	(Optional)
<i>current_order</i>	(Optional) order of the boot location
<i>next_order</i>	(Optional) order of the boot location

Command Mode

- /exec

show boot timings

show [system internal] boot timings [detail]

Syntax Description

show	Show running system information
system	(Optional) System-related show commands
internal	(Optional) Commands for internal use
boot	show boot information
timings	show boot timings
detail	(Optional) show detailed time statistics

Command Mode

- /exec

show boot variables

```
show boot variables [ __readonly__ { [ TABLE_boot_vars <Str1> <boot_variable> } ] ]
```

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
variables	Display the list of boot variables
__readonly__	(Optional)
TABLE_boot_vars	(Optional) Show boot variables table
<i>Str1</i>	(Optional)
<i>boot_variable</i>	(Optional) available boot variable

Command Mode

- /exec

show buffer-drop detail

```
show buffer-drop detail [ __readonly__ <system-monitor-name> <monitor-name> <collector-name>
<v4-acl-name> <v6-acl-name> <queue-id> <sampler-prob-rate> <sampler-mb-rate> <sampler-mb-pkts> ]
```

Syntax Description

show	Show running system information
buffer-drop	Show Buffer Drop information
detail	Show Session Configuration
<i>__readonly__</i>	(Optional) Read only
<i>system-monitor-name</i>	(Optional) system monitor name
<i>monitor-name</i>	(Optional) monitor name
<i>collector-name</i>	(Optional) collector name
<i>v4-acl-name</i>	(Optional) v4 acl name
<i>v6-acl-name</i>	(Optional) v6 acl name
<i>queue-id</i>	(Optional) queue id
<i>sampler-prob-rate</i>	(Optional) sampler probabilistic rate
<i>sampler-mb-rate</i>	(Optional) sampler mb rate
<i>sampler-mb-pkts</i>	(Optional) sampler mb max pkts

Command Mode

- /exec

show buffer-latency detail

```
show buffer-latency detail [ __readonly__ <system-monitor-name> <monitor-name> <collector-name>
<record-name> <v4-acl-name> <v6-acl-name> <queue-id> <interface> <latency-threshold>
<sampler-prob-rate> <sampler-mb-rate> <sampler-mb-pkts> ]
```

Syntax Description

show	Show running system information
buffer-latency	Show Buffer Drop information
detail	Show Session Configuration
<i>__readonly__</i>	(Optional) Read only
<i>system-monitor-name</i>	(Optional) system monitor name
<i>monitor-name</i>	(Optional) monitor name
<i>collector-name</i>	(Optional) collector name
<i>record-name</i>	(Optional) record name
<i>v4-acl-name</i>	(Optional) v4 acl name
<i>v6-acl-name</i>	(Optional) v6 acl name
<i>queue-id</i>	(Optional) queue id
<i>interface</i>	(Optional) interface
<i>latency-threshold</i>	(Optional) latency threshold
<i>sampler-prob-rate</i>	(Optional) sampler probabilistic rate
<i>sampler-mb-rate</i>	(Optional) sampler mb rate
<i>sampler-mb-pkts</i>	(Optional) sampler mb max pkts

Command Mode

- /exec

show buffer-latency detail



C Show Commands

- [show callhome](#), on page 247
- [show callhome destination-profile](#), on page 249
- [show callhome destination-profile profile](#), on page 250
- [show callhome destination-profile profile CiscoTAC-1](#), on page 251
- [show callhome destination-profile profile full-txt-destination](#), on page 252
- [show callhome destination-profile profile short-txt-destination](#), on page 253
- [show callhome transport-email](#), on page 254
- [show callhome transport](#), on page 255
- [show callhome user-def-cmds](#), on page 257
- [show cdp](#), on page 258
- [show cdp all](#), on page 260
- [show cdp global](#), on page 261
- [show cdp neighbors](#), on page 262
- [show cdp neighbors detail](#), on page 263
- [show cdp traffic interface2](#), on page 265
- [show cdp traffic interface2 all](#), on page 266
- [show cfs application](#), on page 267
- [show cfs lock](#), on page 268
- [show cfs lock](#), on page 269
- [show cfs merge status](#), on page 270
- [show cfs merge status](#), on page 271
- [show cfs peers](#), on page 273
- [show cfs peers](#), on page 274
- [show cfs regions](#), on page 275
- [show cfs static peers](#), on page 277
- [show cfs status](#), on page 278
- [show checkpoint](#), on page 279
- [show checkpoint](#), on page 280
- [show checkpoint summary](#), on page 281
- [show class-map](#), on page 282
- [show class-map type control-plane](#), on page 284
- [show class-map type network-qos](#), on page 285
- [show cli alias](#), on page 286

- [show cli dynamic integers](#), on page 287
- [show cli dynamic strings](#), on page 288
- [show cli history](#), on page 289
- [show cli interface table](#), on page 290
- [show cli list](#), on page 291
- [show cli syntax](#), on page 292
- [show cli variables](#), on page 293
- [show clock-interface](#), on page 294
- [show clock](#), on page 295
- [show config-profile](#), on page 296
- [show config-profile applied](#), on page 297
- [show config-replace log exec](#), on page 298
- [show config-replace status](#), on page 300
- [show configuration](#), on page 301
- [show configuration](#), on page 302
- [show configuration commit](#), on page 303
- [show configuration failed](#), on page 304
- [show configuration file](#), on page 305
- [show configuration session](#), on page 306
- [show configuration session](#), on page 307
- [show configuration session global-info](#), on page 308
- [show configuration session status](#), on page 309
- [show configuration session summary](#), on page 310
- [show configuration session vsh](#), on page 311
- [show consistency-checker copp](#), on page 312
- [show consistency-checker copp extended module](#), on page 313
- [show consistency-checker dme interfaces](#), on page 314
- [show consistency-checker dvif-sharing vlan](#), on page 315
- [show consistency-checker egress-xlate private-vlan](#), on page 316
- [show consistency-checker ehm interface](#), on page 317
- [show consistency-checker fcoe](#), on page 318
- [show consistency-checker fex-interfaces fabric](#), on page 320
- [show consistency-checker fex-interfaces fabric egress-xlate private-vlan](#), on page 321
- [show consistency-checker fex-interfaces fex](#), on page 322
- [show consistency-checker forwarding](#), on page 323
- [show consistency-checker forwarding ipv6](#), on page 325
- [show consistency-checker forwarding single-route ipv4 vrf](#), on page 327
- [show consistency-checker fsync](#), on page 328
- [show consistency-checker gwmacdb](#), on page 329
- [show consistency-checker hardware-telemetry inband brief](#), on page 330
- [show consistency-checker hardware-telemetry postcard brief](#), on page 331
- [show consistency-checker itd](#), on page 332
- [show consistency-checker itd ingress interface source destination](#), on page 333
- [show consistency-checker kim](#), on page 334
- [show consistency-checker kim interface](#), on page 335
- [show consistency-checker l2-tahoe mac-address](#), on page 336

- [show consistency-checker l2-tahoe sub-interface](#), on page 337
- [show consistency-checker l2-tahoe sub-interface vlan](#), on page 338
- [show consistency-checker l2-tahoe switchport](#), on page 339
- [show consistency-checker l2 module](#), on page 340
- [show consistency-checker l2 multicast group source vlan](#), on page 341
- [show consistency-checker l2 multicast mac vlan](#), on page 342
- [show consistency-checker l3-interface](#), on page 343
- [show consistency-checker l3 multicast group source vrf](#), on page 344
- [show consistency-checker link-state fabric-ieth](#), on page 345
- [show consistency-checker link-state module](#), on page 346
- [show consistency-checker macsec interface](#), on page 347
- [show consistency-checker membership port-channels](#), on page 348
- [show consistency-checker membership vlan](#), on page 349
- [show consistency-checker monitor session](#), on page 350
- [show consistency-checker multicast nlb cluster-ip vrf](#), on page 351
- [show consistency-checker multicast vlan](#), on page 352
- [show consistency-checker niv-datapath interface](#), on page 353
- [show consistency-checker pacl extended ingress ip module](#), on page 354
- [show consistency-checker pacl extended ingress ipv6 module](#), on page 355
- [show consistency-checker pacl extended ingress ip interface](#), on page 356
- [show consistency-checker pacl extended ingress ipv6 interface](#), on page 357
- [show consistency-checker pacl extended ingress mac interface](#), on page 358
- [show consistency-checker pacl extended ingress mac module](#), on page 359
- [show consistency-checker pacl extended module](#), on page 360
- [show consistency-checker pacl module](#), on page 361
- [show consistency-checker pacl port-channels](#), on page 362
- [show consistency-checker port-state](#), on page 363
- [show consistency-checker port-state fabric-ieth](#), on page 364
- [show consistency-checker qinq](#), on page 365
- [show consistency-checker racl extended egress ip interface](#), on page 366
- [show consistency-checker racl extended egress ip module](#), on page 367
- [show consistency-checker racl extended egress ipv6 module](#), on page 368
- [show consistency-checker racl extended egress ipv6 interface](#), on page 369
- [show consistency-checker racl extended ingress ipv6 module](#), on page 370
- [show consistency-checker racl extended ingress ip module](#), on page 371
- [show consistency-checker racl extended ingress ip interface](#), on page 372
- [show consistency-checker racl extended ingress ipv6 interface](#), on page 373
- [show consistency-checker racl extended module](#), on page 374
- [show consistency-checker racl module](#), on page 375
- [show consistency-checker racl port-channels](#), on page 376
- [show consistency-checker racl svi interface](#), on page 377
- [show consistency-checker segment-routing mpls](#), on page 378
- [show consistency-checker selective-qinq](#), on page 379
- [show consistency-checker selective-qinq interface](#), on page 380
- [show consistency-checker sflow](#), on page 381
- [show consistency-checker storm-control](#), on page 382

- [show consistency-checker stp-state vlan](#), on page 383
- [show consistency-checker tap-aggregation qinq](#), on page 384
- [show consistency-checker tap-aggregation qinq interface](#), on page 385
- [show consistency-checker transceiver](#), on page 386
- [show consistency-checker vacl](#), on page 387
- [show consistency-checker vacl extended ingress ipv6 vlan](#), on page 388
- [show consistency-checker vacl extended ingress ip vlan](#), on page 389
- [show consistency-checker vacl extended ingress mac vlan](#), on page 390
- [show consistency-checker vpc](#), on page 391
- [show consistency-checker vpgrouping interface](#), on page 392
- [show consistency-checker vxlan config-check](#), on page 393
- [show consistency-checker vxlan infra](#), on page 394
- [show consistency-checker vxlan l2 mac-address module](#), on page 395
- [show consistency-checker vxlan l2 module](#), on page 396
- [show consistency-checker vxlan l3 single-route ipv4 vrf](#), on page 397
- [show consistency-checker vxlan l3 vrf start](#), on page 398
- [show consistency-checker vxlan mh mac-addresses](#), on page 399
- [show consistency-checker vxlan mh pathlist](#), on page 400
- [show consistency-checker vxlan pv](#), on page 401
- [show consistency-checker vxlan qinq-qinvni](#), on page 402
- [show consistency-checker vxlan qinvni](#), on page 403
- [show consistency-checker vxlan selective-qinvni](#), on page 404
- [show consistency-checker vxlan selective-qinvni interface](#), on page 405
- [show consistency-checker vxlan vlan](#), on page 406
- [show consistency-checker vxlan xconnect](#), on page 407
- [show controller accounting log](#), on page 408
- [show copp diff profile profile2](#), on page 409
- [show copp profile](#), on page 410
- [show copp status](#), on page 415
- [show copyright](#), on page 416
- [show cores](#), on page 417
- [show crypto ca certificates](#), on page 418
- [show crypto ca certificates](#), on page 419
- [show crypto ca certstore](#), on page 420
- [show crypto ca crt](#), on page 421
- [show crypto ca remote-certstore](#), on page 422
- [show crypto ca trustpoints](#), on page 423
- [show crypto ca trustpool](#), on page 424
- [show crypto ca trustpool last download status](#), on page 425
- [show crypto ca trustpool policy](#), on page 426
- [show crypto certificatemap](#), on page 427
- [show crypto key mypubkey rsa](#), on page 428
- [show crypto ssh-auth-map](#), on page 429
- [show cts](#), on page 430
- [show current](#), on page 431

show callhome

```
show callhome [ __readonly__ <output_state> <info> <per_name> [ <name> ] <email_info> [ <email_conf>
] <ph_info> [ <ph_conf> ] <str_addr> [ <str_conf> ] <site_id> [ <site_id_conf> ] <cust_id> [ <cus_id_conf>
] <contr_id> [ <contr_id_conf> ] <swi_pri> [ <swi_pri_value> ] <dup_mess> <per_inv> <per_time>
<per_timeofday> <dist> ]
```

Syntax Description

show	Show running system information
callhome	Show callhome information
<i>__readonly__</i>	(Optional)
<i>output_state</i>	(Optional)
<i>info</i>	(Optional)
<i>per_name</i>	(Optional)
<i>name</i>	(Optional)
<i>email_info</i>	(Optional)
<i>email_conf</i>	(Optional)
<i>ph_info</i>	(Optional)
<i>ph_conf</i>	(Optional)
<i>str_addr</i>	(Optional)
<i>str_conf</i>	(Optional)
<i>site_id</i>	(Optional)
<i>site_id_conf</i>	(Optional)
<i>cust_id</i>	(Optional)
<i>cus_id_conf</i>	(Optional)
<i>contr_id</i>	(Optional)
<i>contr_id_conf</i>	(Optional)
<i>swi_pri</i>	(Optional)
<i>swi_pri_value</i>	(Optional)
<i>dup_mess</i>	(Optional)
<i>per_inv</i>	(Optional)

<i>per_time</i>	(Optional)
<i>per_timeofday</i>	(Optional)
<i>dist</i>	(Optional)

Command Mode

- /exec

show callhome destination-profile

```
show callhome destination-profile [ __readonly__ { TABLE_call_info [ <dest_full_info> ] [ <dest_short_info> ] [ <dest_xml_info> ] [ <dest_def_info> ] <max_mess_size> <mess_format> <mess_level> <trans_method> <email_info> [ <index> <email_conf> ] <url_info> [ <index> <url_conf> ] <alert_groups> [ <alert_conf> ] } ]
```

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
<i>__readonly__</i>	(Optional)
<i>TABLE_call_info</i>	(Optional)
<i>dest_full_info</i>	(Optional)
<i>dest_short_info</i>	(Optional)
<i>dest_xml_info</i>	(Optional)
<i>dest_def_info</i>	(Optional)
<i>max_mess_size</i>	(Optional)
<i>mess_format</i>	(Optional)
<i>mess_level</i>	(Optional)
<i>trans_method</i>	(Optional)
<i>index</i>	(Optional)
<i>email_info</i>	(Optional)
<i>email_conf</i>	(Optional)
<i>url_info</i>	(Optional)
<i>url_conf</i>	(Optional)
<i>alert_groups</i>	(Optional)
<i>alert_conf</i>	(Optional)

Command Mode

- /exec

show callhome destination-profile profile

```
show callhome destination-profile profile <s0> [ __readonly__ <user_txt_info> <max_mess_size>
<mess_format> <mess_level> <trans_method> <email_info> [ TABLE_email [ <email_index> <email_conf>
] ] <url_info> [ TABLE_url [ <url_index> <url_conf> ] ] <alert_groups> [ TABLE_alert [ <alert_conf> ] ] ]
```

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
s0	Show information for user defined destination profile
__readonly__	(Optional)
user_txt_info	(Optional)
max_mess_size	(Optional)
mess_format	(Optional)
mess_level	(Optional)
trans_method	(Optional)
email_info	(Optional)
TABLE_email	(Optional)
email_index	(Optional)
email_conf	(Optional)
url_info	(Optional)
TABLE_url	(Optional)
url_index	(Optional)
url_conf	(Optional)
alert_groups	(Optional)
TABLE_alert	(Optional)
alert_conf	(Optional)

Command Mode

- /exec

show callhome destination-profile profile CiscoTAC-1

```
show callhome destination-profile profile CiscoTAC-1 [ __readonly__ <tac_xml_info> <max_mess_size>
<mess_level> <trans_method> <email_info> [ <index> <email_conf> ] <url_info> [ <index> <url_conf> ]
<alert_groups> [ <alert_conf> ] ]
```

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
CiscoTAC-1	Show information for CiscoTAC-1 destination profile
<i>__readonly__</i>	(Optional)
<i>tac_xml_info</i>	(Optional)
<i>max_mess_size</i>	(Optional)
<i>mess_level</i>	(Optional)
<i>trans_method</i>	(Optional)
<i>email_info</i>	(Optional)
<i>index</i>	(Optional)
<i>email_conf</i>	(Optional)
<i>url_info</i>	(Optional)
<i>url_conf</i>	(Optional)
<i>alert_groups</i>	(Optional)
<i>alert_conf</i>	(Optional)

Command Mode

- /exec

show callhome destination-profile profile full-txt-destination

```
show callhome destination-profile profile full-txt-destination [ __readonly__ <full_txt_info> <max_mess_size>
<mess_level> <trans_method> <email_info> [ <index> <email_conf> ] <url_info> [ <index> <url_conf> ]
<alert_groups> [ <alert_conf> ] ]
```

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
full-txt-destination	Show information for full-txt-destination destination profile
<i>__readonly__</i>	(Optional)
<i>full_txt_info</i>	(Optional)
<i>max_mess_size</i>	(Optional)
<i>mess_level</i>	(Optional)
<i>trans_method</i>	(Optional)
<i>email_info</i>	(Optional)
<i>index</i>	(Optional)
<i>email_conf</i>	(Optional)
<i>url_info</i>	(Optional)
<i>url_conf</i>	(Optional)
<i>alert_groups</i>	(Optional)
<i>alert_conf</i>	(Optional)

Command Mode

- /exec

show callhome destination-profile profile short-txt-destination

```
show callhome destination-profile profile short-txt-destination [ __readonly__ <shrt_txt_info>
<max_mess_size> <mess_level> <trans_method> <email_info> [ <index> <email_conf> ] <url_info> [
<index> <url_conf> ] <alert_groups> [ <alert_conf> ] ]
```

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
short-txt-destination	Show information for short-txt-destination destination profile
<i>__readonly__</i>	(Optional)
<i>shrt_txt_info</i>	(Optional)
<i>max_mess_size</i>	(Optional)
<i>mess_level</i>	(Optional)
<i>trans_method</i>	(Optional)
<i>email_info</i>	(Optional)
<i>index</i>	(Optional)
<i>email_conf</i>	(Optional)
<i>url_info</i>	(Optional)
<i>url_conf</i>	(Optional)
<i>alert_groups</i>	(Optional)
<i>alert_conf</i>	(Optional)

Command Mode

- /exec

show callhome transport-email

```
show callhome transport-email [ __readonly__ { <from_email> } [ <reply_to_email> ] [ <return_receipt_addr>
] { <smtp_server> } [ <smtp_server_port> ] ]
```

Syntax Description

<code>__readonly__</code>	(Optional)
<code>show</code>	Show running system information
<code>callhome</code>	Show callhome information
<code>transport-email</code>	Show callhome email transport configuration
<code>from_email</code>	(Optional)
<code>reply_to_email</code>	(Optional)
<code>return_receipt_addr</code>	(Optional)
<code>smtp_server</code>	(Optional)
<code>smtp_server_port</code>	(Optional)

Command Mode

- /exec

show callhome transport

```
show callhome transport [ __readonly__ <vrf> <from_email> [ <rep_email> ] [ <ret_email> ] [ <smtp_ser>
] [ <smtp_ser_port> ] [ <smtp_ser_vrf> ] [ <smtp_ser_prior> ] [ <smtp_ser_do> ] [ <smtp_ser_port_do> ] [
<smtp_ser_vrf_do> ] [ <smtp_ser_prior_do> ] [ <smtp_ser_got> ] [ <smtp_ser_port_got> ] [
<smtp_ser_vrf_got> ] [ <smtp_ser_prior_got> ] <http_prox> <http_port> <http_state> ]
```

Syntax Description

show	Show running system information
callhome	Show callhome information
transport	Show callhome transport configuration (email and http)
<i>__readonly__</i>	(Optional)
<i>vrf</i>	(Optional)
<i>from_email</i>	(Optional)
<i>rep_email</i>	(Optional)
<i>ret_email</i>	(Optional)
<i>smtp_ser</i>	(Optional)
<i>smtp_ser_port</i>	(Optional)
<i>smtp_ser_vrf</i>	(Optional)
<i>smtp_ser_prior</i>	(Optional)
<i>smtp_ser_do</i>	(Optional)
<i>smtp_ser_port_do</i>	(Optional)
<i>smtp_ser_vrf_do</i>	(Optional)
<i>smtp_ser_prior_do</i>	(Optional)
<i>smtp_ser_got</i>	(Optional)
<i>smtp_ser_port_got</i>	(Optional)
<i>smtp_ser_vrf_got</i>	(Optional)
<i>smtp_ser_prior_got</i>	(Optional)
<i>http_prox</i>	(Optional)
<i>http_port</i>	(Optional)
<i>http_state</i>	(Optional)

Command Mode

- /exec

show callhome user-def-cmds

```
show callhome user-def-cmds [ __readonly__ { <user_configured_cmds> } [ { TABLE_user_def_cmds
<alert_group> <index> <user_defined_cmds> } ] ]
```

Syntax Description

show	Show running system information
callhome	Show callhome information
user-def-cmds	Show the cli commands configured for each alert group
<i>__readonly__</i>	(Optional)
<i>user_configured_cmds</i>	(Optional) List of user configured commands
TABLE_user_def_cmds	(Optional)
<i>index</i>	(Optional)
<i>alert_group</i>	(Optional)
<i>user_defined_cmds</i>	(Optional)

Command Mode

- /exec

show cdp

```
show cdp { entry { all | name <s0> } } [ __readonly__ TABLE_cdp_entry_all <device_id> [ <sysname> ]
<numaddr> [ { <v4addr> | <v6addr> } + ] <platform_id> <capability> + <intf_id> <port_id> <ttl> <version>
<version_no> [ <nativevlan> ] [ <vtpname> ] [ <duplexmode> ] [ <syslocation> ] [ <num_mgmtaddr> [ {
<v4mgmtaddr> | <v6mgmtaddr> } + ] ] ]
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
entry	Show CDP entries in database
all	Show all CDP entries in database
name	Show a specific CDP entry matching a name
s0	
__readonly__	(Optional) Read only
TABLE_cdp_entry_all	(Optional) output of show cdp entry all
device_id	(Optional) Device Identifier
sysname	(Optional) System Name
numaddr	(Optional) No of IP Address configured
v4addr	(Optional) Interface IP V4 Address
v6addr	(Optional) Interface IP V6 Address
platform_id	(Optional) Platform Id
capability	(Optional) Capability
intf_id	(Optional) Interface Id
port_id	(Optional) Port Identifier
ttl	(Optional) Hold Time
version	(Optional) Software Version
version_no	(Optional) CDP version number
nativevlan	(Optional) NativeVLAN
vtpname	(Optional) Vtp Management Domain Name
duplexmode	(Optional) Duplex Mode

<i>syslocation</i>	(Optional) System Location
<i>num_mgmtaddr</i>	(Optional) No of Mgmt Address configured
<i>v4mgmtaddr</i>	(Optional) IP V4 Mgmt Address
<i>v6mgmtaddr</i>	(Optional) IP V6 Mgmt Address

Command Mode

- /exec

show cdp all

```
show cdp { all | interface <if0> } [ __readonly__ TABLE_cdp_all <intf_id> <port_up> [ <cdp_global_enabled>
] <cdp_intf_enabled> [ <oper_mode> ] <refresh_time> <ttl> ]
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
all	Show all interfaces in CDP database
interface	Show CDP parameters for an interface
<i>if0</i>	
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_cdp_all</i>	(Optional) output of show cdp all
<i>intf_id</i>	(Optional) Interface Id
<i>port_up</i>	(Optional) Port status
<i>cdp_global_enabled</i>	(Optional) CDP global status
<i>cdp_intf_enabled</i>	(Optional) CDP interface status
<i>oper_mode</i>	(Optional) CDP operation mode
<i>refresh_time</i>	(Optional) Refresh Time
<i>ttl</i>	(Optional) Hold Time

Command Mode

- /exec

show cdp global

```
show cdp global [ __readonly__ <cdp_global_enabled> <refresh_time> <ttl> <v2_advertisement>
<deviceid_format> ]
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
global	Show CDP global parameters
<i>__readonly__</i>	(Optional) Read only
<i>cdp_global_enabled</i>	(Optional) CDP global status
<i>refresh_time</i>	(Optional) Refresh Time
<i>ttl</i>	(Optional) Hold Time
<i>v2_advertisement</i>	(Optional) Show v2 advertisement
<i>deviceid_format</i>	(Optional) Show deviceId Format

Command Mode

- /exec

show cdp neighbors

```
show cdp neighbors [ interface <if> ] [ __readonly__ { TABLE_cdp_neighbor_brief_info <ifindex>
<device_id> <intf_id> <ttl> <capability> + <platform_id> <port_id> } { <neigh_count> } ]
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
neighbors	Show CDP neighbors
interface	(Optional) Show CDP neighbors on an interface
<i>if</i>	(Optional) Specify Interface
<i>__readonly__</i>	(Optional) Read only
TABLE_cdp_neighbor_brief_info	(Optional) output of show cdp neighbor - in brief
<i>ifindex</i>	(Optional) Interface index
<i>device_id</i>	(Optional) System Name (or) Device Identifier
<i>intf_id</i>	(Optional) Interface Id
<i>port_id</i>	(Optional) Port Identifier
<i>platform_id</i>	(Optional) Platform Id
<i>ttl</i>	(Optional) Hold Time
<i>capability</i>	(Optional) Capability
<i>neigh_count</i>	(Optional) Neighbor Count

Command Mode

- /exec

show cdp neighbors detail

```
show cdp neighbors [ interface <if> ] detail [ __readonly__ TABLE_cdp_neighbor_detail_info <ifindex>
<device_id> [ <sysname> ] [ <vtpname> ] <numaddr> [ { <v4addr> | <v6addr> } + ] <platform_id>
<capability> + <intf_id> <port_id> <ttl> <version> <version_no> [ <nativevlan> ] [ <duplexmode> ] [ <mtu>
] [ <syslocation> ] [ <num_mgmtaddr> [ { <v4mgmtaddr> | <v6mgmtaddr> } + ] ] <local_intf_mac>
<remote_intf_mac> ]
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
neighbors	Show CDP neighbors
detail	Show CDP neighbors detailed
interface	(Optional) Show CDP neighbors on an interface
<i>if</i>	(Optional) Specify Interface
<i>__readonly__</i>	(Optional) Read only
TABLE_cdp_neighbor_detail_info	(Optional) output of show cdp neighbor detail
<i>ifindex</i>	(Optional) Interface index
<i>device_id</i>	(Optional) Device Identifier
<i>sysname</i>	(Optional) System Name
<i>vtpname</i>	(Optional) Vtp Management Domain Name
<i>numaddr</i>	(Optional) No of IP Address configured
<i>v4addr</i>	(Optional) Interface IP V4 Address
<i>v6addr</i>	(Optional) Interface IP V6 Address
<i>platform_id</i>	(Optional) Platform Id
<i>capability</i>	(Optional) Capability
<i>intf_id</i>	(Optional) Interface Id
<i>port_id</i>	(Optional) Port Identifier
<i>ttl</i>	(Optional) Hold Time
<i>version</i>	(Optional) Software Version
<i>version_no</i>	(Optional) CDP version number
<i>nativevlan</i>	(Optional) NativeVLAN

<i>duplexmode</i>	(Optional) Duplex Mode
<i>mtu</i>	(Optional) MTU
<i>syslocation</i>	(Optional) System Location
<i>num_mgmtaddr</i>	(Optional) No of Mgmt Address configured
<i>v4mgmtaddr</i>	(Optional) IP V4 Mgmt Address
<i>v6mgmtaddr</i>	(Optional) IP V6 Mgmt Address
<i>local_intf_mac</i>	(Optional) Local interface MAC
<i>remote_intf_mac</i>	(Optional) Remote interface MAC

Command Mode

- /exec

show cdp traffic interface2

```
show cdp traffic interface2 <if2> [ __readonly__ <intf_id> <total_input_packets> <valid_cdp_packets>
<input_v1_packets> <input_v2_packets> <invalid_cdp_packets> <unsupported_version> <checksum_errors>
<malformed_packets> <total_output_packets> <output_v1_packets> <output_v2_packets> <send_errors>
<flap_cnt> ]
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
traffic	Show CDP traffic statistics
interface2	Show CDP traffic statistics on an interface
<i>if2</i>	
<i>__readonly__</i>	(Optional) Read only
<i>intf_id</i>	(Optional) Interface Id
<i>total_input_packets</i>	(Optional) Total input cdp packets
<i>valid_cdp_packets</i>	(Optional) Total valid cdp packets
<i>input_v1_packets</i>	(Optional) Input vesrion1 packets
<i>input_v2_packets</i>	(Optional) Input vesrion2 packets
<i>invalid_cdp_packets</i>	(Optional) Invalid cdp packets
<i>unsupported_version</i>	(Optional) Packets having unsupported version
<i>checksum_errors</i>	(Optional) Packets having checksum errors
<i>malformed_packets</i>	(Optional) Total malformed packets
<i>total_output_packets</i>	(Optional) Total output packets
<i>output_v1_packets</i>	(Optional) Output vesrion1 packets
<i>output_v2_packets</i>	(Optional) Output vesrion2 packets
<i>send_errors</i>	(Optional) Number of send errors
<i>flap_cnt</i>	(Optional) Number of PDU timeout

Command Mode

- /exec

show cdp traffic interface2 all

```
show cdp traffic interface2 all [ __readonly__ TABLE_cdp_traffic <intf_id> <total_input_packets>
<valid_cdp_packets> <input_v1_packets> <input_v2_packets> <invalid_cdp_packets> <unsupported_version>
<checksum_errors> <malformed_packets> <total_output_packets> <output_v1_packets> <output_v2_packets>
<send_errors> <flap_cnt> ]
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
traffic	Show CDP traffic statistics
interface2	Show CDP traffic statistics on an interface
all	Display all interface traffic
__readonly__	(Optional) Read only
TABLE_cdp_traffic	(Optional) output of show cdp traffic
intf_id	(Optional) Interface Id
total_input_packets	(Optional) Total input cdp packets
valid_cdp_packets	(Optional) Total valid cdp packets
input_v1_packets	(Optional) Input vesrion1 packets
input_v2_packets	(Optional) Input vesrion2 packets
invalid_cdp_packets	(Optional) Invalid cdp packets
unsupported_version	(Optional) Packets having unsupported version
checksum_errors	(Optional) Packets having checksum errors
malformed_packets	(Optional) Total malformed packets
total_output_packets	(Optional) Total output packets
output_v1_packets	(Optional) Output vesrion1 packets
output_v2_packets	(Optional) Output vesrion2 packets
send_errors	(Optional) Number of send errors
flap_cnt	(Optional) Number of PDU timeout

Command Mode

- /exec

show cfs application

```
show cfs application [ { name <cfs-dyn-app-name> | sap <i0> } ] [ __readonly__ [ <enabled> <timeout>
<merge_capable> <scope> <region> ] [ { TABLE_apps <app_name> <app_enabled> <app_scope> } ] ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
application	Show locally registered applications
name	(Optional) Show local application information by name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i0</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
<i>enabled</i>	(Optional) whether application is CFS enabled
<i>timeout</i>	(Optional) timeout
<i>merge_capable</i>	(Optional) merge_capable
<i>scope</i>	(Optional) scope
<i>region</i>	(Optional) region
TABLE_apps	(Optional) all cfs applications
<i>app_name</i>	(Optional) name of cfs application
<i>app_enabled</i>	(Optional) whether application is cfs enabled
<i>app_scope</i>	(Optional) distribution scope of cfs application

Command Mode

- /exec

show cfs lock

```
show cfs lock [ { name <cfs-dyn-app-name> [ vsan <i0> ] | sap <i1> [ vsan1 <i2> ] } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
lock	Show state of application's logical/physical locks
name	(Optional) Application name for which the lock status is required
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
vsan	(Optional) Show application's locks per vsan
<i>i0</i>	(Optional) Vsan Range
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vsan1	(Optional) Show application's locks per vsan
<i>i2</i>	(Optional) Vsan Range

Command Mode

- /exec

show cfs lock

```
show cfs lock [ { name <cfs-dyn-app-name> | sap <i1> } ] [ __readonly__ [ { TABLE_locks [ <app_name>
] <app_scope> [ <vsan> ] [ <domain> ] [ <wwn> ] <ip_addr> <u_name> <u_type> [ <hostname> } ] ] ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
lock	Show state of application's logical/physical locks
name	(Optional) Application name for which the lock status is required
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_locks	(Optional) table of all CFS locks
<i>app_name</i>	(Optional) name of CFS application
<i>app_scope</i>	(Optional) scope of CFS application
<i>vsan</i>	(Optional) vsan
<i>domain</i>	(Optional) domain
<i>wwn</i>	(Optional) wwn of switch holding CFS lock
<i>ip_addr</i>	(Optional) ip address of switch holding CFS lock
<i>u_name</i>	(Optional) user name
<i>u_type</i>	(Optional) user type
<i>hostname</i>	(Optional) hostname

Command Mode

- /exec

show cfs merge status

show cfs merge status [{ name <cfs-dyn-app-name> [vsan <i0>] | sap <i1> [vsan1 <i2>] }]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
merge	Show cfs merge information
status	Show status of merge
name	(Optional) Show merge status by name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
vsan	(Optional) Show merge information based on vsan
<i>i0</i>	(Optional) Vsan Range
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vsan1	(Optional) Show merge information based on vsan
<i>i2</i>	(Optional) Vsan Range

Command Mode

- /exec

show cfs merge status

```
show cfs merge status [ { name <cfs-dyn-app-name> [ detail ] | sap <i1> [ detail2 ] } ] [ __readonly__ [ {
scope <scope> } ] [ { merge_status <status> } ] [ { failure_reason <reason> } ] [ { TABLE_all_merge
<app_name> <scope> <vsan> <status> } ] [ { TABLE_local_fabric [ <domain> ] <wwn> <ip_addr>
<app_scope> [ <master> ] [ <hostname> ] } ] [ { TABLE_remote_fabric [ <domain> ] <wwn> <ip_addr>
<app_scope> [ <master> ] [ <hostname> ] } ] [ { TABLE_remaining_fabric [ <domain> ] <wwn> <ip_addr>
[ <hostname> ] } ] ] ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
merge	Show cfs merge information
status	Show status of merge
name	(Optional) Show merge status by name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
detail	(Optional) Show merge status by name in detail
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail2	(Optional) Show merge status by sap in detail
<u>__readonly__</u>	(Optional)
scope	(Optional) distribution scope of application
<i>scope</i>	(Optional) scope
merge_status	(Optional) status
<i>status</i>	(Optional) status
failure_reason	(Optional) reason
<i>reason</i>	(Optional) reason
TABLE_all_merge	(Optional) all
<i>app_name</i>	(Optional) name
<i>scope</i>	(Optional) scope
<i>vsan</i>	(Optional) vsan
<i>status</i>	(Optional) status

TABLE_local_fabric	(Optional) local fabric
<i>domain</i>	(Optional) domain
<i>wwn</i>	(Optional) wwn
<i>ip_addr</i>	(Optional) ip_addr
<i>app_scope</i>	(Optional) scope
<i>master</i>	(Optional) master
<i>hostname</i>	(Optional) hname
TABLE_remote_fabric	(Optional) remote fabric
<i>domain</i>	(Optional) domain
<i>wwn</i>	(Optional) wwn
<i>ip_addr</i>	(Optional) ip_addr
<i>app_scope</i>	(Optional) scope
<i>master</i>	(Optional) master
<i>hostname</i>	(Optional) hname
TABLE_remaining_fabric	(Optional) remote fabric
<i>domain</i>	(Optional) domain
<i>wwn</i>	(Optional) wwn
<i>ip_addr</i>	(Optional) ip_addr
<i>hostname</i>	(Optional) hname

Command Mode

- /exec

show cfs peers

```
show cfs peers [ { name <cfs-dyn-app-name> | sap <i1> } ] [ __readonly__ [ { scope <scope> } ] ] [ {
TABLE_peers <wwn> <ip_addr> [ <local> ] [ <hostname> ] [ <domain> } ] ] ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
peers	Show all the peers in the physical fabric
name	(Optional) Show peers for given application name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
scope	(Optional) scope
<i>scope</i>	(Optional) scope
TABLE_peers	(Optional) all peers
<i>wwn</i>	(Optional) wwn
<i>ip_addr</i>	(Optional) ip_addr
<i>local</i>	(Optional) local
<i>hostname</i>	(Optional) hname
<i>domain</i>	(Optional) domain

Command Mode

- /exec

show cfs peers

```
show cfs peers [ { name <cfs-dyn-app-name> [ vsan <i0> ] | sap <i1> [ vsan1 <i2> ] } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
peers	Show all the peers in the physical fabric
name	(Optional) Show peers for given application name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
vsan	(Optional) Show peers for a specified vsan(s)
<i>i0</i>	(Optional) Vsan Range
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vsan1	(Optional) Show peers for a specified vsan(s)
<i>i2</i>	(Optional) Vsan Range

Command Mode

- /exec

show cfs regions

```
show cfs regions [ { brief [ region <i0> ] | name <cfs-dyn-app-name> | region1 <i1> } ] [ __readonly__ [ {
region <id> } ] [ { application <name> } ] [ { scope <scope> } ] [ { TABLE_PEERS <wwn> <ip_addr>
<local> [ <hostname> ] [ <domain> } ] [ { TABLE_switches [ <wwn> ] [ <ip_addr> ] <region> <app_name>
<enabled> [ <scope> } ] ] ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
regions	Show all the applications with peers and region information
brief	(Optional) Show all configured regions and applications(no peers)
region	(Optional) Show all configured applications(no peers)
<i>i0</i>	(Optional) Region Id
name	(Optional) Show peers and region information for a given application
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
region1	(Optional) Show all configured applications with peers
<i>i1</i>	(Optional) Region Id
__readonly__	(Optional)
region	(Optional) region
<i>id</i>	(Optional) id
application	(Optional) app
<i>name</i>	(Optional) name
scope	(Optional) scope
<i>scope</i>	(Optional) scope
TABLE_PEERS	(Optional) all region peers
<i>wwn</i>	(Optional) wwn
<i>ip_addr</i>	(Optional) ip_address
<i>local</i>	(Optional) local
<i>hostname</i>	(Optional) hname
<i>domain</i>	(Optional) domain

<i>TABLE_switches</i>	(Optional) all switches in region
<i>wwn</i>	(Optional) wwn
<i>ip_addr</i>	(Optional) ip_addr
<i>region</i>	(Optional) region
<i>app_name</i>	(Optional) name
<i>enabled</i>	(Optional) enabled
<i>scope</i>	(Optional) scope

Command Mode

- /exec

show cfs static peers

show cfs static peers

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
static	Show all static peers with status
peers	Show all configured static peers with status

Command Mode

- /exec

show cfs status

```
show cfs status [ __readonly__ <distribution> <dist_over_ip> <ipv4_mcast_addr> <ipv6_mcast_addr>
<dist_over_eth> ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
status	Show current status of CFS
<i>__readonly__</i>	(Optional)
<i>distribution</i>	(Optional) operational status of CFS distribution
<i>dist_over_ip</i>	(Optional) operational status of CFS overIP
<i>ipv4_mcast_addr</i>	(Optional) ipv4 multicast address
<i>ipv6_mcast_addr</i>	(Optional) ipv6 multicast address
<i>dist_over_eth</i>	(Optional) operations status of CFSoE

Command Mode

- /exec

show checkpoint

```
show checkpoint [ all ] [ user | system ] [ __readonly__ TABLE_checkpoint_details <name>
<checkpoint_config> + ]
```

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoints
all	(Optional) Show default config
user	(Optional) Show only user configuration rollback checkpoints
system	(Optional) Show only system configuration rollback checkpoints
__readonly__	(Optional) Read only
TABLE_checkpoint_details	(Optional) checkpoint details
<i>name</i>	(Optional) Checkpoint name
<i>checkpoint_config</i>	(Optional) Configuration entry from checkpoint

Command Mode

- /exec

show checkpoint

show checkpoint <chkpoint_name> [all] [__readonly__ TABLE_checkpoint_details <name1>
<checkpoint_config> +]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoint contents
<i>chkpoint_name</i>	Checkpoint name
all	(Optional) Show default config
__readonly__	(Optional) Read only
TABLE_checkpoint_details	(Optional) Checkpoint details
<i>name1</i>	(Optional) Checkpoint name
<i>checkpoint_config</i>	(Optional) Configuration entry from checkpoint

Command Mode

- /exec

show checkpoint summary

```
show checkpoint summary [ user | system ] [ __readonly__ TABLE_checkpoint_header_info <name>
<user_name> <timestamp> <file_path> <chkpt_type> <description> ]
```

Syntax Description

<code>show</code>	Show running system information
<code>checkpoint</code>	Show configuration rollback checkpoints
<code>summary</code>	Show configuration rollback checkpoints summary
<code>user</code>	(Optional) Show only user configuration rollback checkpoints summary
<code>system</code>	(Optional) Show only system configuration rollback checkpoints summary
<code>__readonly__</code>	(Optional) Read only
<code>TABLE_checkpoint_header_info</code>	(Optional) Checkpoint header info
<code>user_name</code>	(Optional) Username
<code>name</code>	(Optional) Checkpoint name
<code>file_path</code>	(Optional) Checkpoint name
<code>timestamp</code>	(Optional) Timestamp of checkpoint creation
<code>chkpt_type</code>	(Optional) Type of checkpoint either user or system
<code>description</code>	(Optional) Checkpoint description

Command Mode

- /exec

show class-map

```
show class-map [ { [ type qos ] [ <omap-name> | xxx <color-map-enum-name> ] } | { type queuing [ yyy
<omap-enum-name> | zzz <default-omap-enum-name> | <omap-dce-name> | <omap-name-hque> ] } ] [
__readonly__ { [ <display-all> ] [ TABLE_omap [ <omap-key> ] [ <nq-omap-key> ] [ <nq-omap-name> ] [
<nq-cos-list> ] [ <nq-qos-group-list> ] [ <protocol> ] [ <id> ] <xqos-or-q> [ <any_or_all> ] <omap-name-out>
[ <desc> ] [ <nq-desc> ] [ TABLE_match <match-key> [ <not> ] [ <dscp-list> ] [ <precedence-list> ] [
<cos-list> ] [ <qos-group-list> ] [ <discard-class-list> ] [ <vlan-list> ] [ <match-omap-name> ] [
<match-acl-name> ] [ <note-string> ] [ <pkt-len-list> ] [ <rtp-port-list> ] [ <roce-port-list> ] [ <prot> ] [
<input-iface-list> ] [ <exp-list> ] [ <cl-def> ] ] ] ] }
```

Syntax Description

xxx	(Optional) xxx
yyy	(Optional) yyy
zzz	(Optional) zzz
show	Show running system information
class-map	Show class maps
type	(Optional) Type of the class-map
qos	(Optional) type qos
queuing	(Optional) type queuing
<i>omap-name</i>	(Optional) class map name
<i>omap-enum-name</i>	(Optional)
<i>default-omap-enum-name</i>	(Optional)
<i>omap-dce-name</i>	(Optional) Queuing class-map name
<i>omap-name-hque</i>	(Optional) Hierarchical class-map name
<i>color-map-enum-name</i>	(Optional)
<i>__readonly__</i>	(Optional)
<i>display-all</i>	(Optional) Display all kinds of class-maps
TABLE_omap	(Optional) all omap xml sessions
<i>omap-key</i>	(Optional) Class-map name: xml key
<i>nq-omap-key</i>	(Optional) Class-map name nq: xml key
<i>nq-omap-name</i>	(Optional) Class-map xname
<i>protocol</i>	(Optional) protocol

<i>TABLE_match</i>	(Optional) all match xml sessions
<i>match-key</i>	(Optional) match count: xml key
<i>cmap-name-out</i>	(Optional) Class-map name
<i>xqos-or-q</i>	(Optional)
<i>any_or_all</i>	(Optional) Enter match-any or match-all
<i>id</i>	(Optional) Class-map ID
<i>desc</i>	(Optional) Description string
<i>nq-desc</i>	(Optional) Description xstring
<i>not</i>	(Optional) Negate this match result
<i>dscp-list</i>	(Optional) List of DSCP values
<i>precedence-list</i>	(Optional) List of precedence values
<i>cos-list</i>	(Optional) List of class-of-service values
<i>nq-cos-list</i>	(Optional) List of class-of-service values
<i>qos-group-list</i>	(Optional) List of qos-group values
<i>nq-qos-group-list</i>	(Optional) List of qos-group values
<i>discard-class-list</i>	(Optional) List of discard-class values
<i>vlan-list</i>	(Optional) List of vlan-ids
<i>match-cmap-name</i>	(Optional) class-map name
<i>match-acl-name</i>	(Optional) Match class-map name
<i>note-string</i>	(Optional) Placeholder string param to display any info in string format
<i>pkt-len-list</i>	(Optional) Packet length multi-range
<i>rtp-port-list</i>	(Optional) IP RTP UDP port multi-range
<i>roce-port-list</i>	(Optional) IP ROCE UDP port multi-range
<i>prot</i>	(Optional) Protocol
<i>input-iface-list</i>	(Optional) Input Interface multi-range
<i>exp-list</i>	(Optional) List of MPLS exp values
<i>cl-def</i>	(Optional) Match any criteria for class-default only

Command Mode

- /exec

show class-map type control-plane

```
show class-map type control-plane [ <omap-name> ] [ __readonly__ [ { TABLE_cmap <omap-key>
<omap-name-out> <opt_any_or_all> [ TABLE_match <match-key> [ access_grp <acc_grp_name> ] [ redirect
<opt_match_redirect> ] [ exception <opt_match_except> ] [ protocol <opt_match_protocol> ] } ] ] ]
```

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
control-plane	This is for copp policy
<i>omap-name</i>	(Optional) Name of the class-map
<i>__readonly__</i>	(Optional)
TABLE_cmap	(Optional) all cmap xml sessions
<i>omap-name-out</i>	(Optional) Name of the class-map
<i>omap-key</i>	(Optional) Class-map name: xml key
<i>opt_any_or_all</i>	(Optional) Enter match-any or match-all
TABLE_match	(Optional) all match xml sessions
<i>match-key</i>	(Optional) match count: xml key
access_grp	(Optional)
<i>acc_grp_name</i>	(Optional)
redirect	(Optional)
<i>opt_match_redirect</i>	(Optional) Match criteria for redirected packets
exception	(Optional)
<i>opt_match_except</i>	(Optional) Match criteria for exception packets
protocol	(Optional)
<i>opt_match_protocol</i>	(Optional) Match criteria for protocol packets

Command Mode

- /exec

show class-map type network-qos

```
show class-map type network-qos [ <omap-name-nq> ] [ __readonly__ { [ <display-all> ] [ TABLE_omap
<omap-key> <xomap-name> [ <desc> ] [ <cos-list> ] [ <qos-group-list> ] [ <protocol> ] [ TABLE_xmatch
<xmatch-key> [ <xcos-list> ] [ <xqos-group-list> ] [ <xprotocol> ] ] ] } ]
```

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
<i>omap-name-nq</i>	(Optional) Class-map name
network-qos	type network-qos
<i>__readonly__</i>	(Optional)
<i>display-all</i>	(Optional) Display all network-qos class-maps
TABLE_omap	(Optional) all network-qos omap xml sessions
<i>omap-key</i>	(Optional) Class-map name: xml key
<i>xomap-name</i>	(Optional) Class-map name
<i>desc</i>	(Optional) Description string
TABLE_xmatch	(Optional) all match xml sessions
<i>xmatch-key</i>	(Optional) match count: xml key
<i>cos-list</i>	(Optional) List of class-of-service values
<i>qos-group-list</i>	(Optional) List of qos-group values
<i>protocol</i>	(Optional) protocol
<i>xcos-list</i>	(Optional) List of class-of-service values
<i>xqos-group-list</i>	(Optional) List of qos-group values
<i>xprotocol</i>	(Optional) xprotocol

Command Mode

- /exec

show cli alias

```
show cli alias [ name <s0> ] [ __readonly__ { TABLE_cli_alias <alias> <name> } ]
```

Syntax Description

show	Show running system information
cli	Show CLI information
alias	Display the alias configuration
name	(Optional) Display a specific alias
s0	(Optional) Specify the alias
__readonly__	(Optional)
TABLE_cli_alias	(Optional) cli alias table
alias	(Optional) alias
name	(Optional) name

Command Mode

- /exec

show cli dynamic integers

```
show cli dynamic integers [ <name> ] [ __readonly__ TABLE_dynamic_integers <name-o> <min> <max> ]
```

Syntax Description

<i>show</i>	Show running system information
<i>cli</i>	CLI commands
<i>dynamic</i>	Display current range of dynamic parameters
<i>integers</i>	Display current range of dynamic integer parameters
<i>name</i>	(Optional) name of the dynamic parameter
<i>__readonly__</i>	(Optional)
<i>TABLE_dynamic_integers</i>	(Optional)
<i>name-o</i>	(Optional)
<i>min</i>	(Optional)
<i>max</i>	(Optional)

Command Mode

- /exec

show cli dynamic strings

show cli dynamic strings [<name>] [__readonly__ TABLE_dynamic_strings <name-o> <value> +]

Syntax Description

show	Show running system information
cli	CLI commands
dynamic	Display current range of dynamic parameters
strings	Display current range of dynamic string parameters
<i>name</i>	(Optional) name of the dynamic parameter
<i>__readonly__</i>	(Optional)
TABLE_dynamic_strings	(Optional)
<i>name-o</i>	(Optional)
<i>value</i>	(Optional)

Command Mode

- /exec

show cli history

show cli history [this-mode-only | exec-mode | config-mode] [<count> | unformatted] +

Syntax Description

show	Show running system information
cli	debug cli
history	history of cli commands
<i>count</i>	(Optional) number of lines to display (from end)
unformatted	(Optional) display just the commands
this-mode-only	(Optional) display history from current mode only
exec-mode	(Optional) display history of exec commands only
config-mode	(Optional) display history of config commands only

Command Mode

- /exec

show cli interface table

show cli interface table

Syntax Description

show	show
cli	cli
interface	interface
table	table

Command Mode

- /exec

show cli list

show cli list [detail | recurse | <component> | <max-per-cmd> | has-xml-out] +

Syntax Description

show	Show running system information
cli	Show CLI information
list	show
<i>component</i>	(Optional) component
<i>max-per-cmd</i>	(Optional) max
has-xml-out	(Optional) show
recurse	(Optional) go
detail	(Optional) formats

Command Mode

- /exec

show cli syntax

show cli syntax [long | recurse] + [has-xml-out | has-no-xml-out | is-data-modeled] [roles [network-admin | network-operator | <roles-mask>]]

Syntax Description

show	Show running system information
cli	Show CLI information
syntax	show
long	(Optional) use
recurse	(Optional) also
has-xml-out	(Optional) show
has-no-xml-out	(Optional) show
is-data-modeled	(Optional) show
roles	(Optional) show
network-admin	(Optional) show
network-operator	(Optional) show
<i>roles-mask</i>	(Optional) show

Command Mode

- /exec

show cli variables

```
show cli variables [ __readonly__ <switchname> <timestamp> <currentuser> [ { TABLE_variable <key>
<value> } ] [ { TABLE_session_variable <key> <value> } ] ]
```

Syntax Description

show	Show running system information
cli	Show CLI information
variables	Show CLI variables
<i>__readonly__</i>	(Optional)
<i>switchname</i>	(Optional) Switch Name
<i>timestamp</i>	(Optional) Timestamp
<i>currentuser</i>	(Optional) Current User
TABLE_variable	(Optional) Variable table
<i>key</i>	(Optional) key
<i>value</i>	(Optional) value
TABLE_session_variable	(Optional) Session variable table
<i>key</i>	(Optional) key
<i>value</i>	(Optional) value

Command Mode

- /exec

show clock-interface

```
show clock-interface [ __readonly__ [ TABLE_clockintf <if-id> <if-name> <capabilities> <dir> <state>
<port-10M> <port-1pps> <pps-input> <port-tod> <tod-format-enum> <tod-baudrate> <tod-offset>
<port-dir-cap> ] <clkintf-end> ]
```

Syntax Description

clock-interface	Show clock-interface information
<i>__readonly__</i>	(Optional) Read Only
TABLE_clockintf	(Optional) Clock Interfaces Table
<i>if-id</i>	(Optional) Interface-Id
<i>if-name</i>	(Optional) Interface Name
<i>capabilities</i>	(Optional) Intf Capabilities
<i>dir</i>	(Optional) Direction
<i>state</i>	(Optional) State of the link
<i>port-10M</i>	(Optional) 10Mhz Port supported
<i>port-1pps</i>	(Optional) 1PPS Port supported
<i>pps-input</i>	(Optional) 1PPS Format
<i>port-tod</i>	(Optional) ToD Port supported
<i>tod-format-enum</i>	(Optional) tod-format
<i>tod-baudrate</i>	(Optional) ToD port baud-rate
<i>tod-offset</i>	(Optional) ToD Offset type
<i>port-dir-cap</i>	(Optional) I/O Capabilities
<i>clkintf-end</i>	(Optional) End of Clock I/f display

Command Mode

- /exec

show clock

```
show clock [ detail ] [ __readonly__ { <simple_time> <time_source> [ <daylight_zone> <daylight_start_week>
<daylight_start_weekday> <daylight_start_month> <daylight_start_time> <daylight_end_week>
<daylight_end_weekday> <daylight_end_month> <daylight_end_time> <daylight_utc_min_offset> ] } ]
```

Syntax Description

show	Show running system information
clock	Display current Date
detail	(Optional) Display current date and summertime configuration
__readonly__	(Optional)
<i>simple_time</i>	(Optional) simple clock format
<i>time_source</i>	(Optional) Time source
<i>daylight_zone</i>	(Optional) summer-time daylight zone
<i>daylight_start_week</i>	(Optional) daylight start week
<i>daylight_start_weekday</i>	(Optional) daylight start weekday
<i>daylight_start_month</i>	(Optional) daylight start month
<i>daylight_start_time</i>	(Optional) daylight start time
<i>daylight_end_week</i>	(Optional) daylight end week
<i>daylight_end_weekday</i>	(Optional) daylight end weekday
<i>daylight_end_month</i>	(Optional) daylight end month
<i>daylight_end_time</i>	(Optional) daylight end time
<i>daylight_utc_min_offset</i>	(Optional) daylight utc offset

Command Mode

- /exec

show config-profile

```
show config-profile [ name <all_conf_profile_name> ] [ __readonly__ TABLE_conf_profile_all
<conf_profile_name> { [ <conf_profile_desc> ] <conf_profile_cfg> + [ <conf_profile_applied> ] + [
<conf_profile_include> ] + } ]
```

Syntax Description

show	Show running system information
config-profile	Show config-profiles
name	(Optional) config-profile name
<i>all_conf_profile_name</i>	(Optional) Enter the name of configuration profile
<i>__readonly__</i>	(Optional)
<i>TABLE_conf_profile_all</i>	(Optional)
<i>conf_profile_name</i>	(Optional)
<i>conf_profile_desc</i>	(Optional)
<i>conf_profile_cfg</i>	(Optional)
<i>conf_profile_applied</i>	(Optional)
<i>conf_profile_include</i>	(Optional)

Command Mode

- /exec

show config-profile applied

```
show config-profile { applied [ auto | manually ] | non-applied } [ match-name <profile_substring> ] [
__readonly__ [ <profiles> ] + ]
```

Syntax Description

show	Show running system information
config-profile	Show config-profiles
applied	List of config-profiles that are applied
auto	(Optional) List of config-profiles that are applied via auto-config
manually	(Optional) List of all config-profiles which were applied directly from cli
non-applied	List of config-profiles that are not applied
match-name	(Optional) List of all config-profiles that have matching sub-string
__readonly__	(Optional)
<i>profiles</i>	(Optional)
<i>profile_substring</i>	(Optional) Enter a substring to match with config-profile name

Command Mode

- /exec

show config-replace log exec

```
show config-replace log { exec | verify } [ __readonly__ [ <last_operation> ] [ <checkpoint_name> ] [
<scheme> ] [ <user> ] [ <config_replace_type> ] [ <verbose> ] [ <start_time> ] [ <start_time_utc> ] [
<log_entry> + ] [ <end_time> ] [ <end_time_utc> ] [ <status> ] [ <restoring_previous_status> + ] [
<executing_switch_profile_patch> + ] [ <tobe_removed_present> + ] [ <tobe_added_missing> + ] [
<executing_patch> + ] [ <validating_patch> + ] [ <executing_patch_post_validation> + ] [ <retrying_patch>
+ ] [ <restore_previous_config> + ] [ <undo_end_time> ] [ <undo_end_time_utc> ] [ <undo_status> ] ]
```

Syntax Description

show	Show running system information
config-replace	Show config-replace
log	show config-replace log
exec	show config-replace execution log
verify	show config-replace verify log
<i>__readonly__</i>	(Optional) Read only
<i>last_operation</i>	(Optional) last operation
<i>checkpoint_name</i>	(Optional) checkpoint name
<i>scheme</i>	(Optional) scheme
<i>user</i>	(Optional) user
<i>config_replace_type</i>	(Optional) config-replace type
<i>verbose</i>	(Optional) verbose
<i>start_time</i>	(Optional) Start Time
<i>start_time_utc</i>	(Optional) Start Time UTC
<i>log_entry</i>	(Optional) log entry from configure replace log
<i>end_time</i>	(Optional) End Time
<i>end_time_utc</i>	(Optional) End Time UTC
<i>status</i>	(Optional) status
<i>restoring_previous_status</i>	(Optional) Restoring Previous Config Status
<i>executing_switch_profile_patch</i>	(Optional) Executing Switch profile Patch
<i>tobe_removed_present</i>	(Optional) log entry from configure replace log
<i>tobe_added_missing</i>	(Optional) log entry from configure replace log

<i>undo_end_time</i>	(Optional) Undo End Time
<i>undo_end_time_utc</i>	(Optional) Undo End Time UTC
<i>executing_patch</i>	(Optional) Executing Patch
<i>validating_patch</i>	(Optional) Validating Patch
<i>executing_patch_post_validation</i>	(Optional) Executing Patch post validation
<i>retrying_patch</i>	(Optional) Retrying Rollback Patch
<i>restore_previous_config</i>	(Optional) Restoring previous config
<i>undo_status</i>	(Optional) undo status

Command Mode

- /exec

show config-replace status

```
show config-replace status [ __readonly__ <last_operation> [ <config_replace_type> ] [ <name> ] [
<start_time> ] [ <end_time> ] [ <operation_status> ] [ <commit_status> ] [ <commit_timeout_remaining> ]
]
```

Syntax Description

show	Show running system information
config-replace	show config-replace
status	show status of last configure replace operation
<i>__readonly__</i>	(Optional) Read only
<i>last_operation</i>	(Optional) last operation
<i>config_replace_type</i>	(Optional) config-replace type
<i>name</i>	(Optional) name
<i>start_time</i>	(Optional) start time
<i>end_time</i>	(Optional) end time
<i>operation_status</i>	(Optional) operation status
<i>commit_status</i>	(Optional) Commit status
<i>commit_timeout_remaining</i>	(Optional) commit timeout remaining

Command Mode

- /exec

show configuration

show configuration { commit list | dual-stage sessions }

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
commit	commit information
list	Information about commit-id
dual-stage	Active dual stage session
sessions	Users with active configuration sessions

Command Mode

- /exec

show configuration

show configuration

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions

Command Mode

- /exec

show configuration commit

show configuration commit { changes <conf-commit-id> | <conf-commit-id> | log }

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
commit	commit information
changes	difference in committed configs
<i>conf-commit-id</i>	commit ID
log	Displays execution logs of last commit

Command Mode

- /exec

show configuration failed

show configuration failed [noerrors]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
failed	Contents of failed configuration
noerrors	(Optional) Failed items in last commit (exclude error reasons)

Command Mode

- /exec

show configuration file

show configuration file <uri0> [clear-text]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
file	Displays content of files
<i>uri0</i>	Filename to be displayed
clear-text	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show configuration session

```
show configuration session [ __readonly__ [ TABLE_session_all <ssn-name> [ TABLE_session_all_cmd [
<ssn-cmd-num> ] [ <command> ] ] ] <activesesscnt> ]
```

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
__readonly__	(Optional) Read only
TABLE_session_all	(Optional) Show session table
<i>ssn-name</i>	(Optional)
TABLE_session_all_cmd	(Optional) Show session related commands
<i>ssn-cmd-num</i>	(Optional)
<i>command</i>	(Optional)
<i>activesesscnt</i>	(Optional) Number of active configuration sessions

Command Mode

- /exec

show configuration session

```
show configuration session <s3> [ __readonly__ <ssn-name> [ TABLE_session_details [ <ssn-cmd-num> ]
[ <command> ] ] ]
```

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
<i>s3</i>	Shows configuration session given a name
<i>__readonly__</i>	(Optional) Read only
<i>ssn-name</i>	(Optional)
TABLE_session_details	(Optional) Show session details for given name
<i>ssn-cmd-num</i>	(Optional)
<i>command</i>	(Optional)

Command Mode

- /exec

show configuration session global-info

```
show configuration session global-info [ __readonly__ <max-ssns> <max-cmds> <curr-num-ssns>
<curr-num-cmds> ]
```

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
global-info	Show configuration sessions global-info
__readonly__	(Optional) Read only
<i>max-ssns</i>	(Optional)
<i>max-cmds</i>	(Optional)
<i>curr-num-ssns</i>	(Optional)
<i>curr-num-cmds</i>	(Optional)

Command Mode

- /exec

show configuration session status

```
show configuration session status [ <s3> ] [ __readonly__ [ TABLE_session_status <ssn-name> <last-action>
<ac-status> <ac-reason> <ac-tstamp> [ <failed-cmd-num> ] [ <failed-cmd> ] [ <last-vfy-cmd-num> ] [
<last-vfy-cmd> ] [ <last-vfy-tstamp> ] [ <rollback-status> ] ] ]
```

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
status	Show configuration session-mgr status
s3	(Optional) Shows configuration session status given a name
__readonly__	(Optional) Read only
TABLE_session_status	(Optional) Show session status table
ssn-name	(Optional)
last-action	(Optional) Last Action
ac-status	(Optional) Last Action Status
ac-reason	(Optional) Last Action Reason
ac-tstamp	(Optional) Last Action Timestamp
failed-cmd-num	(Optional) Failed Command Number
failed-cmd	(Optional) Failed Command
last-vfy-cmd-num	(Optional) Last Verified Command Number
last-vfy-cmd	(Optional) Last Verified Command
last-vfy-tstamp	(Optional) Last Verified Command Timestamp
rollback-status	(Optional) Rollback Status

Command Mode

- /exec

show configuration session summary

```
show configuration session summary [ __readonly__ [ TABLE_session_summary <ssn-name> <username>
<tstamp> ] [ <activesesscnt> ] ]
```

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
summary	Show summary of the active configuration sessions
__readonly__	(Optional) Read only
TABLE_session_summary	(Optional) Show session summary table
<i>ssn-name</i>	(Optional)
<i>username</i>	(Optional) Session Owner
<i>tstamp</i>	(Optional) Creation Time
<i>activesesscnt</i>	(Optional) Number of active configuration sessions

Command Mode

- /exec

show configuration session vsh

```
show configuration session <s3> vsh [ __readonly__ <ssn-name> [ TABLE_session_details_vsh [
<ssn-cmd-num> ] [ <command> ] ] ]
```

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
<i>s3</i>	Shows configuration session given a name
vsh	
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_session_details_vsh</i>	(Optional) Show session details for given name on vsh
<i>ssn-name</i>	(Optional)
<i>ssn-cmd-num</i>	(Optional)
<i>command</i>	(Optional)

Command Mode

- /exec

show consistency-checker copp

show consistency-checker copp

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
copp	Verify copp programming from software context

Command Mode

- /exec

show consistency-checker copp extended module

show consistency-checker copp extended module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
copp	Verify copp programming from software context
extended	extended
module	Limit display to this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker dme interfaces

show consistency-checker dme interfaces

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
dme	DME (ObjectStore)
interfaces	interfaces oper data

Command Mode

- /exec

show consistency-checker dvif-sharing vlan

show consistency-checker dvif-sharing vlan <vlanid> [group <group_ip> | destination-mac <dst_mac>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
dvif-sharing	Verifies dvif-sharing feature
vlan	Consistency check for vlan flood
<i>vlanid</i>	Enter vlan id
group	(Optional) Consistency check for a mcast group
<i>group_ip</i>	(Optional) Multicast IP address of single group to display
destination-mac	(Optional) Consistency check for a destination-mac
<i>dst_mac</i>	(Optional) Multicast Destination mac Address for Vlan to display

Command Mode

- /exec

show consistency-checker egress-xlate private-vlan

show consistency-checker egress-xlate private-vlan <vlan>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
egress-xlate	Check PVLAN egress-xlate
private-vlan	Verifies private-vlan egress-xlate in the hardware
<i>vlan</i>	Enter private-vlan id

Command Mode

- /exec

show consistency-checker ehm interface

show consistency-checker ehm interface { <intf> | all }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
ehm	Show EHM Info
interface	Show interface status and information
<i>intf</i>	Virtual Interface
all	Display All Interfaces

Command Mode

- /exec

show consistency-checker fcoe

```
show consistency-checker fcoe [ { interface <ifl> [ { exclude ping } ] } | { npv [ server-interface <svr_ifl>
external-interface <ext_ifl> ] } | { hw-table { pif | vif | ucpcfg | vsan | acl | fib [ flogi | domain [ local | remote
] ] | fcf | zone | mac } } | { [ exclude ] ping } | { drop [ ingress | egress ] } ] [ verbose [ detail ] ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fcoe	FCoE manager
interface	(Optional) Interface Test
<i>ifl</i>	(Optional) Interface name
npv	(Optional) NPV server to external interface pinning test
server-interface	(Optional) Server Interface Name
<i>svr_ifl</i>	(Optional) Server Interface name
external-interface	(Optional) External Interface Name
<i>ext_ifl</i>	(Optional) External Interface name
hw-table	(Optional) Consistency checker for Hardware Tables
pif	(Optional) PIF Table Test
vif	(Optional) VIF Table Test
ucpcfg	(Optional) Port-channel Program Table Test
vsan	(Optional) VSAN VLAN related tables
acl	(Optional) ACL Test
fib	(Optional) FIB Test
flogi	(Optional) FIB Test for FLOGIs
domain	(Optional) FIB Test for domains
local	(Optional) FIB Test for local domains
remote	(Optional) FIB Test for remote domains
fcf	(Optional) FCF Test
zone	(Optional) ZONE Test
mac	(Optional) MAC Table Test

exclude	(Optional) Exclude given test
ping	(Optional) FCPING Test
drop	(Optional) Hardware drops
ingress	(Optional) Ingress Drop Test
egress	(Optional) Egress Drop Test
verbose	(Optional) To get debugs
detail	(Optional) To get detailed debugs

Command Mode

- /exec

show consistency-checker fex-interfaces fabric

show consistency-checker fex-interfaces fabric <ch-id> [membership { vlan <vlan-id> } | stp-state { vlan <vlan-id> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces
fabric	Limits display for fabric port-channel
<i>ch-id</i>	Port-Channel name
membership	(Optional) Check various memberships
stp-state	(Optional) Verify spanning tree state in the hardware
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fex-interfaces fabric egress-xlate private-vlan

show consistency-checker fex-interfaces fabric <fabric-po> egress-xlate private-vlan <vlan> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces
fabric	Fex Fabric poort-channel
<i>fabric-po</i>	Port-Channel name
egress-xlate	Check PVLAN egress-xlate
private-vlan	Verifies private-vlan egress-xlate in the hardware
<i>vlan</i>	Enter private-vlan id
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fex-interfaces fex

show consistency-checker fex-interfaces { fex <id> | interface <ifid> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces
fex	Limit display to interfaces on this fex
<i>id</i>	Enter module number
interface	Limit display to FEX interface
<i>ifid</i>	FEX interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker forwarding

```
show consistency-checker forwarding [ ip | ipv4 ] [ unicast ] [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs
} ] [ module { <module> | all_modules } ] [ __readonly__ [ <err_str> ] [ <cc_header> ] [ <table_id> ] [
<slot_id> ] [ <exec_time> ] [ <elapsed_time> ] [ <inconsis_adj> ] [ TABLE_inconsistency_adj { <id>
<slot> [ <unit> ] <vrf> [ <ipaddr> ] [ <ipprefix> ] [ <interface> ] <reason> } ] [ <inconsis_routes> ] [
TABLE_inconsistency_routes { <id> <slot> [ <unit> ] <vrf> [ <ipaddr> ] [ <ipprefix> ] [ <interface> ]
<reason> } ] [ <run_status> ] ]
```

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
unicast	(Optional) unicast
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's
__readonly__	(Optional)
<i>err_str</i>	(Optional)
<i>cc_header</i>	(Optional)
<i>table_id</i>	(Optional)
<i>slot_id</i>	(Optional)
<i>exec_time</i>	(Optional)
<i>elapsed_time</i>	(Optional)
<i>inconsis_adj</i>	(Optional)
TABLE_inconsistency_adj	(Optional)

<i>id</i>	(Optional)
<i>slot</i>	(Optional)
<i>unit</i>	(Optional)
<i>vrf</i>	(Optional)
<i>ipaddr</i>	(Optional)
<i>ipprefix</i>	(Optional)
<i>interface</i>	(Optional)
<i>reason</i>	(Optional)
<i>inconsis_routes</i>	(Optional)
TABLE_inconsistency_routes	(Optional)
<i>id</i>	(Optional)
<i>slot</i>	(Optional)
<i>unit</i>	(Optional)
<i>vrf</i>	(Optional)
<i>ipaddr</i>	(Optional)
<i>ipprefix</i>	(Optional)
<i>interface</i>	(Optional)
<i>reason</i>	(Optional)
<i>run_status</i>	(Optional)

Command Mode

- /exec

show consistency-checker forwarding ipv6

```
show consistency-checker forwarding ipv6 [ unicast ] [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ]
[ module { <module> | all_modules } ] [ __readonly__ [ <err_str> ] [ <cc_header> ] [ <table_id> ] [ <slot_id> ]
] [ <exec_time> ] [ <elapsed_time> ] [ <inconsis_adjsts> ] [ TABLE_inconsistency_adjsts { <idipv6> <slotipv6>
[ <unitipv6> ] <vrfipv6> [ <ipv6addr> ] [ <ipv6prefix> ] [ <interfaceipv6> ] <reasonipv6> } ] [
<inconsis_routes> ] [ TABLE_inconsistency_routes { <idipv6> <slotipv6> [ <unitipv6> ] <vrfipv6> [
<ipv6addr> ] [ <ipv6prefix> ] [ <interfaceipv6> ] <reasonipv6> } ] [ <run_status> ] ]
```

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
ipv6	ipv6
unicast	(Optional) unicast
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's
<i>__readonly__</i>	(Optional)
<i>err_str</i>	(Optional)
<i>cc_header</i>	(Optional)
<i>table_id</i>	(Optional)
<i>slot_id</i>	(Optional)
<i>exec_time</i>	(Optional)
<i>elapsed_time</i>	(Optional)
<i>inconsis_adjsts</i>	(Optional)
TABLE_inconsistency_adjsts	(Optional)
<i>idipv6</i>	(Optional)

<i>slotipv6</i>	(Optional)
<i>unitipv6</i>	(Optional)
<i>vrfipv6</i>	(Optional)
<i>interfaceipv6</i>	(Optional)
<i>reasonipv6</i>	(Optional)
<i>inconsis_routes</i>	(Optional)
TABLE_inconsistency_routes	(Optional)
<i>idipv6</i>	(Optional)
<i>slotipv6</i>	(Optional)
<i>unitipv6</i>	(Optional)
<i>vrfipv6</i>	(Optional)
<i>interfaceipv6</i>	(Optional)
<i>reasonipv6</i>	(Optional)
<i>run_status</i>	(Optional)

Command Mode

- /exec

show consistency-checker forwarding single-route ipv4 vrf

```
show consistency-checker forwarding single-route { ipv4 | ipv6 } <ip-prefix> vrf { <vrf-name> |
<vrf-known-name> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
single-route	Run the consistency checker for a single route
ipv4	IPv4 address
ipv6	IPv6 address
<i>ip-prefix</i>	Specify an IP prefix/mask
vrf	check routes for a specific VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fsync

show consistency-checker fsync [debug-logs] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fsync	Do consistency check for frequency synchronization
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker gwmacdb

show consistency-checker gwmacdb [interface { <int-id> | <ch-id> | <vlan-id> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
gwmacdb	Check gateway mac table
interface	(Optional) interface
<i>int-id</i>	(Optional) Physical or Logical interface
<i>ch-id</i>	(Optional) Port-Channel name
<i>vlan-id</i>	(Optional) SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker hardware-telemetry inband brief

show consistency-checker hardware-telemetry inband { brief | detail }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
hardware-telemetry	feature hardware-telemetry
inband	inband-telemetry version
brief	Show consistency checker structured output in brief
detail	Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker hardware-telemetry postcard brief

show consistency-checker hardware-telemetry postcard { brief | detail }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
hardware-telemetry	feature hardware-telemetry
postcard	postcard-telemetry version
brief	Show consistency checker structured output in brief
detail	Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker itd

show consistency-checker itd { <svcName> | all } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
itd	Intelligent traffic director
<i>svcName</i>	ITD service name
all	check all ITD services
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker itd ingress interface source destination

```
show consistency-checker itd ingress interface <intf> source { <src-address> | <src-ipv6-address> } destination
{ <dst-address> | <dst-ipv6-address> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
itd	Intelligent traffic director
ingress	ingress direction
interface	ITD ingress interface
<i>intf</i>	
source	Do consistency check for source
<i>src-address</i>	source IP address
destination	Do consistency check for destination
<i>dst-address</i>	destination IP address
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker kim

show consistency-checker kim

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
kim	Kernel Interface

Command Mode

- /exec

show consistency-checker kim interface

show consistency-checker kim { interface <ifid> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
kim	kernel interface
interface	Limit display to interface
<i>ifid</i>	Interface
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2-tahoe mac-address

show consistency-checker l2-tahoe mac-address <mac-addr> [module <module>] [unit <unit>] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 mac programming in the hardware
mac-address	MAC address
<i>mac-addr</i>	address
module	(Optional) Module to run the consistency-checker on
<i>module</i>	(Optional) Module number
unit	(Optional) Unit to run the consistency checker on
<i>unit</i>	(Optional) Enter Unit Number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2-tahoe sub-interface

show consistency-checker l2-tahoe sub-interface { <if_name> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 sub-interface programming in the hardware
sub-interface	sub-interface
<i>if_name</i>	Physical or Logical interface
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2-tahoe sub-interface vlan

show consistency-checker l2-tahoe sub-interface vlan <vlan-id>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 sub-interface programming in the hardware
sub-interface	sub-interface
vlan	Do consistency check for vlan
<i>vlan-id</i>	vlan number

Command Mode

- /exec

show consistency-checker l2-tahoe switchport

show consistency-checker l2-tahoe switchport { interface { <if_name> | all } | module { <module> | all } } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 mac programming in the hardware
switchport	Switchport Interface
interface	interface
<i>if_name</i>	Physical or Logical interface
all	All switchport interfaces
module	Module to run the consistency-checker on
<i>module</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2 module

show consistency-checker { l2-tahoe | l2-mtc } module <module> [unit <unit>] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 mac programming in the hardware
l2-mtc	Verify l2 mac programming in the hardware
module	Module to run the consistency-checker on
<i>module</i>	Enter module number
unit	(Optional) Unit to run the consistency checker on
<i>unit</i>	(Optional) Enter unit number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2 multicast group source vlan

show consistency-checker l2 multicast group { <grp-address> | <grp-ipv6-address> } source { <src-address> | <src-ipv6-address> } vlan <vlan-id> [debug-logs] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2	Verify l2 mac programming in the hardware
multicast	multicast related information
group	Do consistency check for group
<i>grp-address</i>	group IP address
source	Do consistency check for source
<i>src-address</i>	source IP address
vlan	Do consistency check for vlan
<i>vlan-id</i>	vlan number
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2 multicast mac vlan

show consistency-checker l2 multicast mac <mac-address> vlan <vlan-id> [debug-logs] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2	Verify l2 mac programming in the hardware
multicast	multicast related information
mac	Do consistency check for multicast mac address lookup
<i>mac-address</i>	mac address
vlan	Do consistency check for vlan
<i>vlan-id</i>	vlan number
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l3-interface

```
show consistency-checker l3-interface { all | module <moduleid> [ brief | detail ] | interface { <ifid> | <ch-id>
| <vlan-id> } [ brief | detail ] }
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l3-interface	Compares software and hardware properties of L3 interfaces
all	Run on all modules on the switch
module	Limit display to interfaces on module
<i>moduleid</i>	Module number
interface	Limit display to interface
<i>ifid</i>	Interface name
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l3 multicast group source vrf

```
show consistency-checker l3 multicast group { <grp-address> [ <mask> ] | <gprefix> | <grp-ipv6-address> }
source { <src-address> | <src-ipv6-address> } vrf { <vrf-name> | <vrf-known-name> } [ debug-logs ] [ brief
| detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l3	l3 consistency
multicast	multicast related information
group	Do consistency check for group
<i>grp-address</i>	group IP address
<i>mask</i>	(Optional) mask for group ip address
<i>gprefix</i>	IPv4 Multicast Group Prefix
source	Do consistency check for source
<i>src-address</i>	source IP address
vrf	Do consistency check for vrf
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker link-state fabric-ieth

```
show consistency-checker link-state fabric-ieth { [ module <module> ] } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
link-state	Compares software and hardware link state of interfaces
fabric-ieth	Internal Fabric ports
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker link-state module

show consistency-checker link-state { module <module> | interface <ifid> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
link-state	Compares software and hardware link state of interfaces
module	Limit display to interfaces on module
<i>module</i>	Module number
interface	Limit display to interface
<i>ifid</i>	Interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker macsec interface

show consistency-checker macsec interface { <if_name> | all } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
macsec	Check macsec
interface	interface info
<i>if_name</i>	Physical or Logical interface
all	All switchport interfaces
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker membership port-channels

show consistency-checker membership port-channels [interface <ch-id>] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
membership	Check various memberships
port-channels	Verifies port channel membership in the hardware
interface	(Optional) Port-channel number
<i>ch-id</i>	(Optional) Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker membership vlan

```
show consistency-checker membership vlan <vlanid> [ [ interface [ <intf-id> | <ch-id> ] ] ] [ private-vlan [
interface [ <int-id> | <ch-id> ] ] ] [ native-vlan ] [ brief | detail ]
```

Syntax Description

show	Show running system information
vlan	Verifies vlan membership in the hardware
<i>vlanid</i>	Enter vlan id
consistency-checker	Consistency Checker
membership	Check various memberships
interface	(Optional) Interface
<i>intf-id</i>	(Optional) Interface
<i>ch-id</i>	(Optional) Port-Channel name
private-vlan	(Optional) Check private-vlan primary vlan
interface	(Optional) Interface
<i>int-id</i>	(Optional) Interface name
<i>ch-id</i>	(Optional) Port-Channel name
native-vlan	(Optional) Check for native vlans
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker monitor session

show consistency-checker monitor session { <session-id> | all } [debug]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session-id</i>	Enter monitor session id
all	All sessions
debug	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show consistency-checker multicast nlb cluster-ip vrf

```
show consistency-checker multicast nlb cluster-ip <ip-address> vrf { <vrf-name> | <vrf-known-name> } [
debug-logs ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
multicast	multicast related information
nlb	Do consistency check for Multicast NLB
cluster-ip	Cluster virtual unicast IP address
<i>ip-address</i>	Cluster IP address
vrf	Do consistency check for vrf
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker multicast vlan

show consistency-checker multicast vlan <vlanid> [group <group_ip> | destination-mac <dst_mac>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
multicast	Verify Multicast
vlan	Verifies vlan flood sharing
<i>vlanid</i>	Enter vlan id
group	(Optional) Do consistency check for a group
<i>group_ip</i>	(Optional) Multicast IP address of single group to display
destination-mac	(Optional) Do consistency check for a destination-mac
<i>dst_mac</i>	(Optional) Multicast Destination mac Address for Vlan to display

Command Mode

- /exec

show consistency-checker niv-datapath interface

show consistency-checker niv-datapath interface [<intf> | veth-all]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
niv-datapath	Verify NIV Datapath for a given interface
interface	Show interface status and information
<i>intf</i>	(Optional) Virtual interface
veth-all	(Optional) Run consistency-checker for all Veths

Command Mode

- /exec

show consistency-checker pacl extended ingress ip module

show consistency-checker pacl extended ingress ip module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
module	Limit display to L2 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress ipv6 module

show consistency-checker pacl extended ingress ipv6 module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
module	Limit display to L2 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress ip interface

show consistency-checker pacl extended ingress ip interface { <int-id> | <ch-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress ipv6 interface

show consistency-checker pacl extended ingress ipv6 interface { <int-id> | <ch-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress mac interface

show consistency-checker pacl extended ingress mac interface { <int-id> | <ch-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
mac	ethernet protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress mac module

show consistency-checker pacl extended ingress mac module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
mac	ethernet protocol
module	Limit display to L2 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended module

show consistency-checker pacl extended module { all | <module-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
module	Limit display to L2 interfaces on this module
all	To run cc across all the modules
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl module

show consistency-checker pacl module <module>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
module	Limit display to L2 interfaces on this module
<i>module</i>	Enter module number

Command Mode

- /exec

show consistency-checker pacl port-channels

show consistency-checker pacl port-channels [interface <ch-id>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
port-channels	Verifies port channel pacl programming in the hardware
interface	(Optional) Port-channel number
<i>ch-id</i>	(Optional) Port-Channel name

Command Mode

- /exec

show consistency-checker port-state

show consistency-checker port-state [{ module <module> | interface <ifid> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
port-state	Validates SI, MTU and IPG Settings
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
interface	(Optional) Limit display to interface
<i>ifid</i>	(Optional) Interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker port-state fabric-ieth

```
show consistency-checker port-state fabric-ieth [ module <module> [ ieth-port <ieth-port> ] ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
port-state	Validates SI, FEC and MTU Settings
fabric-ieth	Internal Fabric ports
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
ieth-port	(Optional) Enter ieth-port number
<i>ieth-port</i>	(Optional) Enter ieth-port number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker qinq

```
show consistency-checker qinq [ interface [ <int-id> | <ch-id> ] ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
qinq	QinQ consistency checker
interface	(Optional) Interface
<i>int-id</i>	(Optional) Eth Interface
<i>ch-id</i>	(Optional) Port-Channel

Command Mode

- /exec

show consistency-checker racl extended egress ip interface

show consistency-checker racl extended egress ip interface { <int-id> | <ch-id> | <vlan-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ip	ip protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended egress ip module

show consistency-checker racl extended egress ip module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ip	ip protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended egress ipv6 module

show consistency-checker racl extended egress ipv6 module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ipv6	ipv6 protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended egress ipv6 interface

show consistency-checker racl extended egress ipv6 interface { <int-id> | <ch-id> | <vlan-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ipv6	ipv6 protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ipv6 module

show consistency-checker racl extended ingress ipv6 module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ip module

show consistency-checker racl extended ingress ip module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ip interface

```
show consistency-checker racl extended ingress ip interface { <int-id> | <ch-id> | <vlan-id> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ipv6 interface

show consistency-checker racl extended ingress ipv6 interface { <int-id> | <ch-id> | <vlan-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended module

show consistency-checker racl extended module { all | <module-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
module	Limit display to L3 interfaces on this module
all	To run CC across all the modules
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl module

show consistency-checker racl module <module>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
module	Limit display to L3 interfaces on this module
<i>module</i>	Enter module number

Command Mode

- /exec

show consistency-checker racl port-channels

show consistency-checker racl port-channels [interface <ch-id>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
port-channels	Verifies port channel racl programming in the hardware
interface	(Optional) Port-channel number
<i>ch-id</i>	(Optional) Port-Channel name

Command Mode

- /exec

show consistency-checker racl svi interface

show consistency-checker racl svi interface <vlan-id>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
svi	Verifies SVI racl programming in the hardware
interface	SVI number
<i>vlan-id</i>	SVI VLAN

Command Mode

- /exec

show consistency-checker segment-routing mpls

show consistency-checker segment-routing mpls { ip <ip-address> mask <ip-mask> vrf <vrf-name> | label <label> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
segment-routing	Segment-routing
mpls	MPLS Information
ip	IP Information
<i>ip-address</i>	IP Address
mask	Mask Information
<i>ip-mask</i>	Mask Length
vrf	VRF Information
<i>vrf-name</i>	VRF Name
label	Label Information
<i>label</i>	Label Name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker selective-qinq

show consistency-checker selective-qinq

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
selective-qinq	Selective QinQ consistency checker

Command Mode

- /exec

show consistency-checker selective-qinq interface

show consistency-checker selective-qinq interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
selective-qinq	Selective QinQ consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker sflow

show consistency-checker sflow [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
sflow	Compares software and hardware sflow details
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker storm-control

show consistency-checker storm-control

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
storm-control	Storm control consistency checker

Command Mode

- /exec

show consistency-checker stp-state vlan

```
show consistency-checker stp-state vlan <vlan> [ interface <int-id> ] [ brief | detail ]
```

Syntax Description

show	Show running system information
vlan	Verifies spanning tree state in the hardware for all interfaces in the vlan
<i>vlan</i>	Enter vlan id
interface	(Optional) Interface
<i>int-id</i>	(Optional) Interface
consistency-checker	Consistency Checker
stp-state	Verify spanning tree state in the hardware
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker tap-aggregation qinq

show consistency-checker tap-aggregation qinq

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
tap-aggregation	Tap Aggregation Feature
qinq	QinQ consistency checker

Command Mode

- /exec

show consistency-checker tap-aggregation qinq interface

show consistency-checker tap-aggregation qinq interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
tap-aggregation	Tap Aggregation Feature
qinq	QinQ consistency checker
interface	Interface
<i>int-id</i>	Eth Interface
<i>ch-id</i>	Port-Channel

Command Mode

- /exec

show consistency-checker transceiver

show consistency-checker transceiver [{ module <module> | interface <ifid> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
transceiver	Validates transceiver Settings
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
interface	(Optional) Limit display to interface
<i>ifid</i>	(Optional) Interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vacl

show consistency-checker vacl

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware

Command Mode

- /exec

show consistency-checker vacl extended ingress ipv6 vlan

show consistency-checker vacl extended ingress ipv6 vlan <vlan-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
vlan	VLAN
<i>vlan-id</i>	vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vACL extended ingress ip vlan

show consistency-checker vACL extended ingress ip vlan <vlan-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vACL	Verify vACL programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
vlan	VLAN
<i>vlan-id</i>	vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vacl extended ingress mac vlan

show consistency-checker vacl extended ingress mac vlan <vlan-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware
extended	extended
ingress	ingress direction
mac	ethernet protocol
vlan	VLAN
<i>vlan-id</i>	vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vpc

```
show consistency-checker vpc [ source-interface [ <int-id> | <ch-id> ] ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vpc	vPC related information
source-interface	(Optional) Source vPC member
<i>int-id</i>	(Optional) Eth Interface
<i>ch-id</i>	(Optional) Port-Channel
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vpgrouping interface

show consistency-checker vpgrouping interface { <intf> | all }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vpgrouping	Show VP Grouping Info
interface	Show interface status and information
<i>intf</i>	Physical or Logical Interface
all	Display All Interfaces

Command Mode

- /exec

show consistency-checker vxlan config-check

show consistency-checker vxlan config-check [verbose-mode] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
config-check	Check the inconsistencies in the config
verbose-mode	(Optional) config-check verbose
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan infra

show consistency-checker vxlan infra [verbose-mode] [brief | detail]

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
infra	infra
verbose-mode	(Optional) detailed CC output
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l2 mac-address module

show consistency-checker vxlan l2 mac-address <mac-addr> module <module> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l2	l2
mac-address	MAC address
<i>mac-addr</i>	address
module	Module to run the consistency-checker on
<i>module</i>	Module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l2 module

show consistency-checker vxlan l2 module <module> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l2	Check L2 inconsistencies
module	Module to run the consistency-checker on
<i>module</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l3 single-route ipv4 vrf

```
show consistency-checker vxlan l3 single-route { ipv4 | ipv6 } <ip-prefix> vrf { <vrf-name> |
<vrf-known-name> } [ debug-logs ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l3	l3
single-route	Run the consistency checker for a single route
ipv4	IPv4 address
ipv6	IPv6 address
<i>ip-prefix</i>	Overlay L3 Route IP Address in prefix/mask format
vrf	Do consistency check for vrf
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
debug-logs	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l3 vrf start

show consistency-checker vxlan l3 vrf { <vrf-name> | all } { start-scan | report }

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
l3	l3
vrf	VRF
<i>vrf-name</i>	vrf name
all	All VRFs
start-scan	Start Route CC
report	Show Route CC report

Command Mode

- /exec

show consistency-checker vxlan mh mac-addresses

show consistency-checker vxlan mh mac-addresses [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
mh	VxLAN BGP EVPN Multi Homing CC commands
mac-addresses	Check mac address consistency between L2RIB and L2FM
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan mh pathlist

show consistency-checker vxlan mh pathlist [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
mh	VxLAN BGP EVPN Multi Homing CC commands
pathlist	Check Vxlan BGP EVPN MH Control plane and resultant pathlists consistency
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan pv

show consistency-checker vxlan pv

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
pv	pv consistency checker

Command Mode

- /exec

show consistency-checker vxlan qinq-qinvni

show consistency-checker vxlan qinq-qinvni

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
qinq-qinvni	QinQ consistency checker

Command Mode

- /exec

show consistency-checker vxlan qinvni

show consistency-checker vxlan qinvni

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
qinvni	QinVNI consistency checker

Command Mode

- /exec

show consistency-checker vxlan selective-qinvni

show consistency-checker vxlan selective-qinvni

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
selective-qinvni	Selective QinVNI consistency checker

Command Mode

- /exec

show consistency-checker vxlan selective-qinvni interface

show consistency-checker vxlan selective-qinvni interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
selective-qinvni	Selective QinVNI consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker vxlan vlan

show consistency-checker vxlan vlan { <vlanid> | all } [verbose-mode] [brief | detail]

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
vlan	Verifies flood list programming for vxlan vlans
consistency-checker	Consistency Checker
<i>vlanid</i>	Enter vlan id
all	Check CC for all vxlans
verbose-mode	(Optional) detailed CC output
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan xconnect

show consistency-checker vxlan xconnect

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
xconnect	Cross-Connect consistency checker

Command Mode

- /exec

show controller accounting log

show controller <ctrl-id> accounting log

Syntax Description

show	Show running system information
controller	Controller command
<i>ctrl-id</i>	Controller id value
accounting	Accounting
log	Show log information

Command Mode

- /exec

show copp diff profile profile2

```
show copp diff profile <profile_type> [ prior-ver ] profile2 <profile_type2>
```

Syntax Description

show	Show running system information
copp	Control-Plane Policing
diff	Difference between CoPP Profiles
profile	CoPP Profile
<i>profile_type</i>	CoPP Profile Types
prior-ver	(Optional) Previous Configured Version
profile2	CoPP Profile
<i>profile_type2</i>	CoPP Profile Types

Command Mode

- /exec

show copp profile

```
show copp profile { strict | moderate | lenient | dense } [ __readonly__ { TABLE_coppconf <acl-type> {
<acl-grp-name> { TABLE_sequence <permitdeny> [ { <proto_str> | <proto> | <ip> | <ipv6> } ] [ { <src_any>
| <src_ip_prefix> | <src_ip_addr> <src_ip_mask> | <src_ipv6_prefix> | <src_addrgrp> | <src_mac_any> |
<src_mac_addr> <src_mac_mask> } ] [ <src_port_op> { <src_port1_str> | <src_port1_num> } [ <src_port2_str>
| <src_port2_num> ] | <src_portgrp> } ] { <dest_any> | <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> |
<dest_ipv6_prefix> | <dest_addrgrp> | <dest_mac_any> | <dest_mac_addr> <dest_mac_mask> } [
<dest_port_op> { <dest_port1_str> | <dest_port1_num> } [ <dest_port2_str> | <dest_port2_num> ] |
<dest_portgrp> ] [ { <icmp_type> [ <icmp_code> ] | <icmp_str> } | { <icmpv6_type> [ <icmpv6_code> ] |
<icmpv6_str> } ] [ <eth_proto> ] } } <newline> [ { TABLE_classmap <opt_any_or_all> [ <cmap_name>
] [ { access_grp <acc_grp_name> + } ] [ { redirect <opt_match_redirect> + } ] [ { exception <opt_match_except>
+ } ] [ { protocol <opt_match_protocol> + } ] } ] [ { TABLE_policymap [ <class-name> ] [ <pmap_name>
] [ <set_vld_flg> ] [ { cos [ inner ] <cos-val> } ] [ { dscp [ tunnel ] [ <dscp-val> } ] } ] [ { precedence [ tunnel1
] [ <prec-val> } ] } ] [ <policer_show_flags> ] [ <cir> ] [ <opt_kbps_mbps_gbps_pps_cir> ] [ { percent <cir-perc>
} ] [ <bc> + ] [ <opt_kbytes_mbytes_gbytes_bc> + ] [ <pir> ] [ <opt_kbps_mbps_gbps_pps_pir> ] [ { percent1
<pir-perc> } ] [ <be> ] [ <opt_kbytes_mbytes_gbytes_be> ] [ <opt_drop_transmit_conform> ] [
<opt_drop_transmit_violate> ] [ { { <opt_drop_transmit_conform1> } } ] | { set-cos-transmit [ <set-cos-val>
] } | { set-dscp-transmit [ <set-dscp-val> ] } | { set-prec-transmit [ <set-prec-val> ] } } ] [ { { [
<opt_drop_transmit_exceed> ] } } ] | { set dscp1 dscp2 table cir-markdown-map } } ] [ { { [
<opt_drop_transmit_violate1> ] } } ] | { set1 dscp3 dscp4 table1 pir-markdown-map } } } ] ] ]
```

Syntax Description

show	Show running system information
copp	Control-Plane Policing
profile	CoPP Profile
strict	display strict profile
moderate	display moderate profile
lenient	display lenient profile
dense	display dense profile
__readonly__	(Optional) Read Only
acl-type	(Optional) access-list type
TABLE_coppconf	(Optional) copp profile
acl-grp-name	(Optional) name of the access-list
TABLE_sequence	(Optional) ACE RULE SYNTAX TABLE
permitdeny	(Optional) permit/deny
proto	(Optional) A protocol number
proto_str	(Optional) Protocol name

<i>ip</i>	(Optional) IP
<i>ipv6</i>	(Optional) IPV6
<i>src_any</i>	(Optional) SRCAny
<i>dest_any</i>	(Optional) DESTAny
<i>src_ip_prefix</i>	(Optional) Source IP prefix
<i>src_ip_addr</i>	(Optional) Source IP address
<i>src_ip_mask</i>	(Optional) Source IP mask
<i>src_mac_addr</i>	(Optional) Source MAC address
<i>src_mac_mask</i>	(Optional) Source MAC mask
<i>src_mac_any</i>	(Optional) SRCMACAny
<i>dest_ip_prefix</i>	(Optional) Destination IP prefix
<i>dest_ip_addr</i>	(Optional) Destination IP address
<i>dest_ip_mask</i>	(Optional) Destination IP mask
<i>dest_mac_addr</i>	(Optional) Destination MAC address
<i>dest_mac_mask</i>	(Optional) Destination MAC mask
<i>dest_mac_any</i>	(Optional) DESTMACAny
<i>src_port_op</i>	(Optional) Source Port operator
<i>dest_port_op</i>	(Optional) Destination Port operator
<i>src_port1_str</i>	(Optional) Source port name
<i>src_port1_num</i>	(Optional) Source port number
<i>src_port2_str</i>	(Optional) Source port name
<i>src_port2_num</i>	(Optional) Source port number
<i>dest_port1_str</i>	(Optional) Destination port name
<i>dest_port1_num</i>	(Optional) Destination port number
<i>dest_port2_str</i>	(Optional) Destination port name
<i>dest_port2_num</i>	(Optional) Destination port number
<i>icmp_type</i>	(Optional) ICMP type
<i>icmp_code</i>	(Optional) ICMP code
<i>icmp_str</i>	(Optional) ICMP message

<i>icmpv6_type</i>	(Optional) ICMP type
<i>icmpv6_code</i>	(Optional) ICMP code
<i>icmpv6_str</i>	(Optional) ICMP message
<i>src_addrgrp</i>	(Optional) Source address group
<i>dest_addrgrp</i>	(Optional) Destination address group
<i>src_portgrp</i>	(Optional) Source port group
<i>dest_portgrp</i>	(Optional) Destination port group
<i>eth_proto</i>	(Optional) MAC protocol number
<i>newline</i>	(Optional) newline between access-list and cmaps
TABLE_classmap	(Optional) Class Map
<i>opt_any_or_all</i>	(Optional) Enter match-any or match-all
<i>cmap_name</i>	(Optional) Name of the class-map
access_grp	(Optional) Access Group
<i>acc_grp_name</i>	(Optional)
redirect	(Optional)
<i>opt_match_redirect</i>	(Optional) Match criteria for redirected packets
exception	(Optional)
<i>opt_match_excpt</i>	(Optional) Match criteria for exception packets
protocol	(Optional)
<i>opt_match_protocol</i>	(Optional) Match criteria for protocol packets
TABLE_policymap	(Optional) Policy Map table
<i>class-name</i>	(Optional) Name if the policy member
<i>pmap_name</i>	(Optional) Name of the Policy-map
<i>set_vld_flg</i>	(Optional) Set valid flag
<i>cos-val</i>	(Optional) Set cos val
<i>opt_kbps_mbps_gbps_pps_cir</i>	(Optional) Units
percent	(Optional)
<i>opt_kbytes_mbytes_gbytes_bc</i>	(Optional) Units
<i>opt_drop_transmit_conform</i>	(Optional) Set the action

<i>opt_drop_transmit_violate</i>	(Optional) Set the action
<i>opt_kbps_mbps_gbps_pps_pir</i>	(Optional) Units
percent1	(Optional)
<i>opt_kbytes_mbytes_gbytes_be</i>	(Optional) Units
<i>opt_drop_transmit_conform1</i>	(Optional) Set the action
set-cos-transmit	(Optional)
<i>set-cos-val</i>	(Optional) Conform action cos val
set-dscp-transmit	(Optional)
<i>set-dscp-val</i>	(Optional) Conform action dscp val
set-prec-transmit	(Optional)
<i>set-prec-val</i>	(Optional) Conform action prec val
<i>policer_show_flags</i>	(Optional) Policer show flags
<i>opt_drop_transmit_exceed</i>	(Optional) Set the action
set	(Optional)
dscp1	(Optional)
dscp2	(Optional)
table	(Optional)
cir-markdown-map	(Optional)
<i>opt_drop_transmit_violate1</i>	(Optional) Set the action
set1	(Optional)
dscp3	(Optional)
dscp4	(Optional)
table1	(Optional)
pir-markdown-map	(Optional)
cos	(Optional)
inner	(Optional)
dscp	(Optional)
tunnel	(Optional)
<i>dscp-val</i>	(Optional) Set dscp val

precedence	(Optional)
tunnel	(Optional)
<i>prec-val</i>	(Optional) Set prec val

Command Mode

- /exec

show copp status

```
show copp status [ __readonly__ { last_config_operation <last_cfg_oper> } { last_config_operation_time
<last_cfg_oper_time> } { last_config_operation_status <last_cfg_oper_status> } [
last_config_operation_error_time <last_cfg_oper_error_time> ] [ last_config_operation_error
<last_cfg_oper_error> ] { service_policy <srv_policy> } ]
```

Syntax Description

show	Show running system information
copp	Control-Plane Policing
status	Show the internal status of CoPP
<i>__readonly__</i>	(Optional)
last_config_operation	(Optional) last config operation
<i>last_cfg_oper</i>	(Optional) last config operation
last_config_operation_time	(Optional) timestamp of last config operation
<i>last_cfg_oper_time</i>	(Optional) timestamp of last config operation
last_config_operation_status	(Optional) status of last config operation
<i>last_cfg_oper_status</i>	(Optional) status of last config operation
last_config_operation_error_time	(Optional) timestamp of last config operation's error
<i>last_cfg_oper_error_time</i>	(Optional) timestamp of last config operation's error
last_config_operation_error	(Optional) last config operation's error
<i>last_cfg_oper_error</i>	(Optional) last config operation's error
service_policy	(Optional) policy-map attached to control-plane
<i>srv_policy</i>	(Optional) policy-map attached to control-plane

Command Mode

- /exec

show copyright

show copyright [__readonly__ { <content> }]

Syntax Description

show	Show running system information
copyright	Copyright information
__readonly__	(Optional)
<i>content</i>	(Optional) Copyrigh information

Command Mode

- /exec

show cores

```
show cores [ vdc-all | { vdc [ <e-vdc2> | <vdc-id> ] } ] [ __readonly__ { [ TABLE_cores <vdc_id>
<module_id> <instance> <process_name> <pid> <sys_time> ] } ]
```

Syntax Description

show	Show running system information
cores	show all core dumps for the current vdc
vdc-all	(Optional) show core dumps from all vdc's
vdc	(Optional) show all core dumps for the vdc
__readonly__	(Optional)
TABLE_cores	(Optional)
<i>vdc_id</i>	(Optional) vdc id
<i>module_id</i>	(Optional) module id
<i>instance</i>	(Optional) instance number
<i>process_name</i>	(Optional) name of the process
<i>pid</i>	(Optional) process id
<i>sys_time</i>	(Optional) core generate time
<i>e-vdc2</i>	(Optional) Enter VDC <vdc-id>
<i>vdc-id</i>	(Optional) vdc number

Command Mode

- /exec

show crypto ca certificates

```
show crypto ca certificates [ __readonly__ [ { TABLE_ca_certificates <trustpoint> [ <certificate> ] [ {
TABLE_ca_cert_chains <index> <ca_certificate> } ] } ] ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
certificates	show various certificates
<i>__readonly__</i>	(Optional)
<i>TABLE_ca_certificates</i>	(Optional) Table of CA certificates
<i>trustpoint</i>	(Optional) Trustpoint name
<i>certificate</i>	(Optional) Certificate
<i>TABLE_ca_cert_chains</i>	(Optional) Table of CA certificates in chain
<i>index</i>	(Optional) CA Certificate Index
<i>ca_certificate</i>	(Optional) CA certificate

Command Mode

- /exec

show crypto ca certificates

```
show crypto ca certificates <s0> [ __readonly__ { Trustpoint <trustpoint> } [ { Certificate <certificate> } ]
[ { TABLE_ca_cert_chains <index> <ca_certificate> } ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
certificates	show various certificates
<i>s0</i>	trustpoint label
<i>__readonly__</i>	(Optional)
Trustpoint	(Optional) Trustpoint
<i>trustpoint</i>	(Optional) Trustpoint
Certificate	(Optional) Certificate
<i>certificate</i>	(Optional) Certificate
TABLE_ca_cert_chains	(Optional) Table of CA certificates in chain
<i>index</i>	(Optional) CA Certificate Index
<i>ca_certificate</i>	(Optional) CA certificate

Command Mode

- /exec

show crypto ca certstore

show crypto ca certstore [__readonly__ { certstore_lookup <lookup_type> }]

Syntax Description

show	Show running system information
crypto	Show crypto configuration
ca	show crypto ca configuration
certstore	Show the configured certstore
__readonly__	(Optional)
certstore_lookup	(Optional) Certificate store lookup
<i>lookup_type</i>	(Optional) Lookup type

Command Mode

- /exec

show crypto ca crl

```
show crypto ca crl <s0> [ __readonly__ { Trustpoint <trustpoint> } [ { CRL <cr> } ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
crl	show CRL
<i>s0</i>	trustpoint label
<i>__readonly__</i>	(Optional)
Trustpoint	(Optional) Trustpoint
<i>trustpoint</i>	(Optional) Trustpoint
CRL	(Optional) Certificate Revocation List
<i>crl</i>	(Optional) Certificate Revocation List

Command Mode

- /exec

show crypto ca remote-certstore

```
show crypto ca remote-certstore [ __readonly__ { remote_cert_store <rem_cert_store> } [ { crl_timer <crltimer>
} { ldap_server_group <ldap_server_grp> } ] ]
```

Syntax Description

show	Show running system information
crypto	Show crypto configuration
ca	show crypto ca configuration
remote-certstore	Show remote certstore configuration
__readonly__	(Optional)
remote_cert_store	(Optional) Remote cert store
<i>rem_cert_store</i>	(Optional) Remote certificate store
crl_timer	(Optional) CRL timer
<i>crltimer</i>	(Optional) CRL timer
ldap_server_group	(Optional) LDAP Server Group
<i>ldap_server_grp</i>	(Optional) LDAP Server Group

Command Mode

- /exec

show crypto ca trustpoints

```
show crypto ca trustpoints [ __readonly__ [ { TABLE_ca_truspoints <trustpoint> <key-pair> [ {
TABLE_revocation_methods <revocation-method> } ] [ <ocsp-url> } ] ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
trustpoints	show trustpoint configuration
__readonly__	(Optional)
<i>trustpoint</i>	(Optional) Trustpoint
<i>key-pair</i>	(Optional) Key pair
TABLE_revocation_methods	(Optional) Table of revocation methods
<i>revocation-method</i>	(Optional) Revocation mehtod
<i>ocsp-url</i>	(Optional) OCSP URL
TABLE_ca_truspoints	(Optional) Table of CA trustpoints

Command Mode

- /exec

show crypto ca trustpool

```
show crypto ca trustpool [ __readonly__ [ { TABLE_ca_trustpool <serial-number> <subject> <issued-by>
<validity-start> <validity-end> } ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show trustpool data
trustpool	trustpool contents
<i>__readonly__</i>	(Optional)
<i>TABLE_ca_trustpool</i>	(Optional) Table of CA trustpool
<i>serial-number</i>	(Optional) Serial number
<i>subject</i>	(Optional) subject
<i>issued-by</i>	(Optional) Issued by
<i>validity-start</i>	(Optional) validity start date
<i>validity-end</i>	(Optional) validity end date

Command Mode

- /exec

show crypto ca trustpool last download status

```
show crypto ca trustpool last download status [ __readonly__ [ http_url <http_url> ] [ download_time
<download_time> ] [ trustpool_download_status <status> ] [ download_failure <reason> ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show trustpool data
trustpool	trustpool data
last	last trustpool download status
download	download of trustpool
status	download status
<i>__readonly__</i>	(Optional)
http_url	(Optional) http url configured
<i>http_url</i>	(Optional) HTTP url
download_time	(Optional) Download time
<i>download_time</i>	(Optional) Download time
trustpool_download_status	(Optional) Status of trutspool policy download
<i>status</i>	(Optional) Download status
download_failure	(Optional) Download failure
<i>reason</i>	(Optional) Download failure reason

Command Mode

- /exec

show crypto ca trustpool policy

```
show crypto ca trustpool policy [ __readonly__ [ http_url <http_url> ] [ config_vrf [ <config_vrf> ] [ <src_intf>
] ] [ proxy_server [ <proxy_server> ] [ <proxy_server_port> ] ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show Certificate authority related config
trustpool	show trustpool policy
policy	trustpool configuration
<i>__readonly__</i>	(Optional)
http_url	(Optional) http url configured
<i>http_url</i>	(Optional) HTTP url
config_vrf	(Optional) Configured vrf
<i>config_vrf</i>	(Optional) vrf configured
<i>src_intf</i>	(Optional) source interface for vrf
proxy_server	(Optional) Configured proxy server
<i>proxy_server</i>	(Optional) proxy server
<i>proxy_server_port</i>	(Optional) proxy server port

Command Mode

- /exec

show crypto certificatemap

```
show crypto certificatemap [ __readonly__ [ { TABLE_certmap <map_name> <subject_name>
<alternate_email> <alternate_upn> } ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto configuration
certificatemap	show certificatemap filters
<i>__readonly__</i>	(Optional)
<i>TABLE_certmap</i>	(Optional) Table of Certificate Map
<i>map_name</i>	(Optional) Map name
<i>subject_name</i>	(Optional) Subject name
<i>alternate_email</i>	(Optional) Alternate Email
<i>alternate_upn</i>	(Optional) Alternate UPN

Command Mode

- /exec

show crypto key mypubkey rsa

```
show crypto key mypubkey rsa [ __readonly__ [ { TABLE_rsa_keys <key_label> <key_size> <exportable>
<err_string> } ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto configuration
key	show key configuration
mypubkey	show my public keys configuration
rsa	show my rsa public keys configuration
<i>__readonly__</i>	(Optional)
<i>TABLE_rsa_keys</i>	(Optional) Table of RSA keys
<i>key_label</i>	(Optional) Key Label
<i>key_size</i>	(Optional) Key size
<i>exportable</i>	(Optional) Exportable
<i>err_string</i>	(Optional) Error String

Command Mode

- /exec

show crypto ssh-auth-map

```
show crypto ssh-auth-map [ __readonly__ [ { TABLE_ssh_auth_map <issuer_name> <map1> [ <map2> ] } ] ]
```

Syntax Description

show	Show running system information
crypto	show crypto configuration
ssh-auth-map	show mapping filters applied for ssh authentication
__readonly__	(Optional)
TABLE_ssh_auth_map	(Optional) Table of SSH Auth MAP
<i>issuer_name</i>	(Optional) Issuer Name
<i>map1</i>	(Optional) Map 1
<i>map2</i>	(Optional) Map 2

Command Mode

- /exec

show cts

show cts [*__readonly__* <device-id> <cache_en> <num-dot1x> <num-man> <sgt>]

Syntax Description

cts	Show CTS global configuration
<i>__readonly__</i>	(Optional)
<i>device-id</i>	(Optional) name
<i>cache_en</i>	(Optional) enable/disable
<i>num-dot1x</i>	(Optional) number of interfaces in dot1x mode
<i>num-man</i>	(Optional) number of interfaces in manual mode
<i>sgt</i>	(Optional)

Command Mode

- /exec

show current

show current

Syntax Description

show	Display region configurations
current	Display mst configuration currently used

Command Mode

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



D Show Commands

- [show dampening interface](#), on page 435
- [show device-alias database](#), on page 436
- [show device-alias merge status](#), on page 437
- [show device-alias name](#), on page 438
- [show device-alias pending-diff](#), on page 439
- [show device-alias pending](#), on page 440
- [show device-alias pwnn](#), on page 441
- [show device-alias session rejected](#), on page 442
- [show device-alias session status](#), on page 443
- [show device-alias statistics](#), on page 444
- [show device-alias status](#), on page 445
- [show diagnostic bootup level](#), on page 446
- [show diagnostic content module](#), on page 447
- [show diagnostic description module test all](#), on page 448
- [show diagnostic events](#), on page 449
- [show diagnostic ondemand setting](#), on page 450
- [show diagnostic result module](#), on page 451
- [show diagnostic result module all](#), on page 453
- [show diagnostic simulation module](#), on page 455
- [show diagnostic status module](#), on page 456
- [show diff rollback-patch](#), on page 457
- [show diff running](#), on page 458
- [show dot1q-tunnel](#), on page 459
- [show dot1q-tunnel interface](#), on page 460
- [show dot1x](#), on page 461
- [show dot1x all](#), on page 462
- [show dot1x all details](#), on page 464
- [show dot1x all statistics](#), on page 467
- [show dot1x all summary](#), on page 469
- [show dot1x interface](#), on page 470
- [show dot1x interface client statistics](#), on page 475
- [show dot1x interface client statistics address](#), on page 477
- [show dpvm database](#), on page 478

- [show dpvm fip](#), on page 479
- [show dpvm merge statistics](#), on page 480
- [show dpvm merge status](#), on page 481
- [show dpvm pending-diff](#), on page 482
- [show dpvm pending](#), on page 483
- [show dpvm ports](#), on page 484
- [show dpvm session status](#), on page 485
- [show dpvm status](#), on page 486

show dampening interface

show dampening interface [__readonly__ { <DampenedInterfaceCount> <SuppressedInterfaceCount> }]

Syntax Description

show	Show running system information
dampening	Display dampening information
interface	Display interface dampening general information
__readonly__	(Optional)
<i>DampenedInterfaceCount</i>	(Optional) Count of interfaces configured with dampening
<i>SuppressedInterfaceCount</i>	(Optional) Count of interfaces in suppressed state

Command Mode

- /exec

show device-alias database

show device-alias database

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
database	Show Device Alias database

Command Mode

- /exec

show device-alias merge status

show device-alias merge status

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
merge	Show merge information
status	Show device-alias merge status

Command Mode

- /exec

show device-alias name

show device-alias name <s0> [pending]

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
name	Show Device Alias information given a name
<i>s0</i>	Enter Device Alias name
pending	(Optional) Show pending Device Alias information given a name

Command Mode

- /exec

show device-alias pending-diff

show device-alias pending-diff

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
pending-diff	Show pending diff for Device Alias database

Command Mode

- /exec

show device-alias pending

show device-alias pending

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
pending	Show pending Device Alias database

Command Mode

- /exec

show device-alias pwwn

```
show device-alias pwwn <wwn0> [ pending ]
```

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
pwwn	Show Device Alias information given a port WWN
<i>wwn0</i>	Enter port WWN
pending	(Optional) Show pending Device Alias information given a port WWN

Command Mode

- /exec

show device-alias session rejected

show device-alias session rejected

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
session	Show session information
rejected	Show rejected command list

Command Mode

- /exec

show device-alias session status

show device-alias session status

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
session	Show session information
status	Show device-alias session status

Command Mode

- /exec

show device-alias statistics

show device-alias statistics

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
statistics	Show device-alias statistics

Command Mode

- /exec

show device-alias status

show device-alias status

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
status	Show device-alias status

Command Mode

- /exec

show diagnostic bootup level

show diagnostic bootup level [__readonly__ <bootup_level>]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
bootup	Show diagnostic bootup information
level	Show diagnostic bootup level information
__readonly__	(Optional)
<i>bootup_level</i>	(Optional) Bootup level

Command Mode

- /exec

show diagnostic content module

```
show diagnostic content module { all | <module> } [ __readonly__ <attr_descr> { TABLE_Module
<module_id> <module_type> { TABLE_test <test_id> <testname> <test_attr> <test_interval> } } ]
```

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
content	Show diagnostic test content
module	Module Keyword
all	Select all module ID
<i>module</i>	Module number
<i>__readonly__</i>	(Optional)
<i>attr_descr</i>	(Optional) Attribute description
TABLE_Module	(Optional) All modules table
<i>module_id</i>	(Optional) Module Number
<i>module_type</i>	(Optional) module type description
TABLE_test	(Optional) All tests table
<i>test_id</i>	(Optional) Test id
<i>testname</i>	(Optional) Test name
<i>test_attr</i>	(Optional) Test Attribute
<i>test_interval</i>	(Optional) HM test interval

Command Mode

- /exec

show diagnostic description module test all

```
show diagnostic description module <module> test { all | <name> | <test-id> } [ __readonly__ { TABLE_desc
<testname> <testdesc> } ]
```

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
description	Show diagnostic test desc
module	Module keyword
<i>module</i>	Module Number
test	Diagnostic test selection
all	Select all test ID
<i>name</i>	Test name
<i>test-id</i>	
__readonly__	(Optional)
TABLE_desc	(Optional) Table of test description
<i>testname</i>	(Optional) Test name
<i>testdesc</i>	(Optional) Description of the test

Command Mode

- /exec

show diagnostic events

```
show diagnostic events [ error | info ] [ __readonly__ { TABLE_events <event_text> } ]
```

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
events	Diagnostic events
error	(Optional) Error event-type
info	(Optional) Information event-type
__readonly__	(Optional)
TABLE_events	(Optional) list of events logged
<i>event_text</i>	(Optional) Text of one event

Command Mode

- /exec

show diagnostic ondemand setting

show diagnostic ondemand setting [*__readonly__* <test_iteration_count> <action_on_failure>]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
ondemand	Show diagnostic on demand information
setting	Show diagnostic on demand settings
<i>__readonly__</i>	(Optional)
<i>test_iteration_count</i>	(Optional) Iteration Count
<i>action_on_failure</i>	(Optional) Action on failure

Command Mode

- /exec

<i>packet_loss</i>	(Optional) Packet lost
TABLE_Test	(Optional) Table of tests in module
<i>test_id</i>	(Optional) Test id of tests
<i>testname</i>	(Optional) Test name
<i>testresult</i>	(Optional) Test Results
<i>passed_ports</i>	(Optional) List passed ports
<i>failed_ports</i>	(Optional) List failed ports
<i>incomplete_ports</i>	(Optional) List of Incompletely tested ports
<i>untested_ports</i>	(Optional) List of untested ports
<i>aborted_ports</i>	(Optional) List of aborted ports
<i>err_disabled_ports</i>	(Optional) List error disabled ports
<i>err_code</i>	(Optional) Error code
<i>total_run_count</i>	(Optional) Total run count
<i>last_execution_time</i>	(Optional) Last execution time
<i>first_failure_time</i>	(Optional) First test failure time
<i>last_failure_time</i>	(Optional) Last test failure time
<i>last_pass_time</i>	(Optional) Last test pass time
<i>total_fail_count</i>	(Optional) Total fail count
<i>consecutive_fail_count</i>	(Optional) Consecutive failure count
<i>last_fail_reason</i>	(Optional) Last failure reason
<i>next_execution_time</i>	(Optional) Next test execution time

Command Mode

- /exec

show diagnostic result module all

```
show diagnostic result module all [ detail ] [ __readonly__ { TABLE_Module <module_id> <curr_diag_level>
<module_name> [ <bootup_diag_level> ] { TABLE_Test <test_id> <testname> [ <testresult> ] [ {
<passed_ports> <failed_ports> <incomplete_ports> <untested_ports> <aborted_ports> <err_disabled_ports>
} ] [ { <err_code> <total_run_count> <last_execution_time> <first_failure_time> <last_failure_time>
<last_pass_time> <total_fail_count> <consecutive_fail_count> <last_fail_reason> <next_execution_time>
} ] } ] }
```

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
result	Show diagnostic test result
module	Module keyword
all	Select all test ID
detail	(Optional) Detailed result
__readonly__	(Optional)
TABLE_Module	(Optional) Table of modules
<i>module_id</i>	(Optional) Module ID
<i>curr_diag_level</i>	(Optional) Current diag level
<i>module_name</i>	(Optional) Module name
<i>bootup_diag_level</i>	(Optional) Diagnostic level at bootup
TABLE_Test	(Optional) Table of tests in module
<i>test_id</i>	(Optional) Test id of tests
<i>testname</i>	(Optional) Test name
<i>testresult</i>	(Optional) Test Results
<i>passed_ports</i>	(Optional) List passed ports
<i>failed_ports</i>	(Optional) List failed ports
<i>incomplete_ports</i>	(Optional) List of Imcompletly tested ports
<i>untested_ports</i>	(Optional) List of untested ports
<i>aborted_ports</i>	(Optional) List of aborted ports
<i>err_disabled_ports</i>	(Optional) List error disabled ports

<i>err_code</i>	(Optional) Error code
<i>total_run_count</i>	(Optional) Total run count
<i>last_execution_time</i>	(Optional) Last execution time
<i>first_failure_time</i>	(Optional) First test failure time
<i>last_failure_time</i>	(Optional) Last test failure time
<i>last_pass_time</i>	(Optional) Last test pass time
<i>total_fail_count</i>	(Optional) Total fail count
<i>consecutive_fail_count</i>	(Optional) Consecutive failure count
<i>last_fail_reason</i>	(Optional) Last failure reason
<i>next_execution_time</i>	(Optional) Next test execution time

Command Mode

- /exec

show diagnostic simulation module

```
show diagnostic simulation module <module> [ __readonly__ <module_id> <module_name> [ { TABLE_detail
<serial_no> <testid> [ <portid> ] <mode> } ] ]
```

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
simulation	Simulating Diagnostic result
module	Module keyword
<i>module</i>	Module Number
<i>__readonly__</i>	(Optional)
<i>module_id</i>	(Optional) Module ID
<i>module_name</i>	(Optional) Module Name
TABLE_detail	(Optional) Table of simulation details
<i>serial_no</i>	(Optional) serial no
<i>testid</i>	(Optional) Test id
<i>portid</i>	(Optional) Port id
<i>mode</i>	(Optional) Simulation mode

Command Mode

- /exec

show diagnostic status module

```
show diagnostic status module <module> [ __readonly__ <test_runby_mapping> <module_id> <module_name>
{ TABLE_current <cur_test_name> <cur_run_by> } { TABLE_enqueued <enq_test_name> <enq_run_by> }
]
```

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
status	Show test status(running/enqueued)
module	Module keyword
<i>module</i>	Module number
<i>__readonly__</i>	(Optional)
<i>test_runby_mapping</i>	(Optional) Test type expansion
<i>module_id</i>	(Optional) Module Id
<i>module_name</i>	(Optional) Module name
TABLE_current	(Optional) Table of currently running test
<i>cur_test_name</i>	(Optional) Currently running test
<i>cur_run_by</i>	(Optional) Test Run By
TABLE_enqueued	(Optional) Table of enqueued tests
<i>enq_test_name</i>	(Optional) Enqueued test name
<i>enq_run_by</i>	(Optional) Test enqueued by

Command Mode

- /exec

show diff rollback-patch

```
show diff rollback-patch { src-checkpoint <chkpoint_name> | src-running-cfg | src-startup-cfg | src-file
<srcfile_uri> } { dst-checkpoint <chkpoint_name> | dst-running-cfg | dst-startup-cfg | dst-file <dstfile_uri>
} [ __readonly__ [ <patch_entry> ] + ]
```

Syntax Description

show	Show running system information
diff	Show diff between configuration files or checkpoints
rollback-patch	Show rollback patch between configuration files or checkpoints
src-checkpoint	Use checkpoint as source configuration
<i>chkpoint_name</i>	Checkpoint name
src-running-cfg	Use running configuration as source
src-startup-cfg	Use startup configuration as source
src-file	Src Checkpoint file
<i>srcfile_uri</i>	Src Checkpoint file path
dst-checkpoint	Use checkpoint as destination configuration
<i>chkpoint_name</i>	Checkpoint name
dst-running-cfg	Use running configuration as destination
dst-startup-cfg	Use startup configuration as destination
dst-file	Dst Checkpoint file
<i>dstfile_uri</i>	Src Checkpoint file path
<i>__readonly__</i>	(Optional) Read only
<i>patch_entry</i>	(Optional) rollback patch entry

Command Mode

- /exec

show diff running

show diff { running-config <file_uri> [partial] | startup-config <file_uri> } [unified]

Syntax Description

show	Show running system information
running-config	Current operating configuration
startup-config	Current startup configuration
<i>file_uri</i>	File path to compare with
diff	Show the difference between running/startup and user configuration in context format
unified	(Optional) Show the difference between running/startup and user configuration in unified format
partial	(Optional) User configuration file is partial and not a full configuration

Command Mode

- /exec

show dot1q-tunnel

```
show dot1q-tunnel [ __readonly__ TABLE_interface <interface> ]
```

Syntax Description

show	Show running system information
dot1q-tunnel	Show if port mode is dot1q-tunnel
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface

Command Mode

- /exec

show dot1q-tunnel interface

show dot1q-tunnel interface <ifid_eth_dot1q_tunnel> [__readonly__ TABLE_interface <interface>]

Syntax Description

show	Show running system information
dot1q-tunnel	Show if port mode is dot1q-tunnel
interface	Show interface status and information
<i>ifid_eth_dot1q_tunnel</i>	Enter interface type and number in module/slot format
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface

Command Mode

- /exec

show dot1x

```
show dot1x [ __readonly__ <sys_auth_ctrl> <proto_ver> <mac_move> <server_dead_action_authz> ]
```

Syntax Description

dot1x	dot1x configuration commands
__readonly__	(Optional)
<i>sys_auth_ctrl</i>	(Optional) show system auth control
<i>proto_ver</i>	(Optional) show protocol version
<i>mac_move</i>	(Optional) show mac move
<i>server_dead_action_authz</i>	(Optional) show server_dead_action_authz flag info

Command Mode

- /exec

show dot1x all

```
show dot1x all [ __readonly__ <sys_auth_ctrl> <proto_ver> <mac_move> <server_dead_action_authz>
TABLE_all <if_index> TABLE_allpae <pae_type> [ <port_control> ] [ <host_mode> ] [ <quiet_period> ] [
<inactivity_period> ] [ <tx_period> ] [ <max_req> ] [ <reauth> ] [ <rate_limit_period> ] [ <supp_timeout>
] [ <server_timeout> ] [ <reauth_server> ] [ <reauth_period> ] [ <reauth_max> ] [ <mac_auth_bypass> ] [
<start_period> ] [ <auth_period> ] [ <held_period> ] [ <max_start> ] ]
```

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
<i>__readonly__</i>	(Optional)
TABLE_all	(Optional)
TABLE_allpae	(Optional)
<i>if_index</i>	(Optional) Interface Index
<i>sys_auth_ctrl</i>	(Optional) Show System Auth Control
<i>proto_ver</i>	(Optional) Show Protocol Version
<i>mac_move</i>	(Optional) Show Mac Move
<i>server_dead_action_authz</i>	(Optional) show server_dead_action_authz flag info
<i>pae_type</i>	(Optional) Show PAE Type
<i>port_control</i>	(Optional) Show Port Control
<i>host_mode</i>	(Optional) Show Host Mode
<i>reauth</i>	(Optional) Show Reauth Enabled Status
<i>quiet_period</i>	(Optional) Show Quiet Period
<i>inactivity_period</i>	(Optional) Show Inactivity Period
<i>server_timeout</i>	(Optional) Show Server Timeout
<i>supp_timeout</i>	(Optional) Show Supp Timeout
<i>reauth_period</i>	(Optional) Show Reauth Period
<i>reauth_max</i>	(Optional) Show Reauth Max
<i>max_req</i>	(Optional) Show Max Req
<i>tx_period</i>	(Optional) Show Tx Period
<i>rate_limit_period</i>	(Optional) Show Rate Limit Period

<i>reauth_server</i>	(Optional) Show Reauth Server Enabled Status
<i>mac_auth_bypass</i>	(Optional) Show MAC Auth Bypass Enabled Status
<i>start_period</i>	(Optional) Show Supplicant Start Period
<i>auth_period</i>	(Optional) Show Supplicant Auth Period
<i>held_period</i>	(Optional) Show Supplicant Held Period
<i>max_start</i>	(Optional) Show Supplicant Max Start

Command Mode

- /exec

show dot1x all details

```
show dot1x all details [ __readonly__ <sys_auth_ctrl> <proto_ver> <mac_move> <server_dead_action_authz>
TABLE_alldetail <if_index> TABLE_allpaedetail <pae_type> [ <port_control> ] [ <host_mode> ] [
<quiet_period> ] [ <inactivity_period> ] [ <tx_period> ] [ <max_req> ] [ <reauth> ] [ <rate_limit_period> ]
[ <supp_timeout> ] [ <server_timeout> ] [ <reauth_server> ] [ <reauth_period> ] [ <reauth_max> ] [
<mac_auth_bypass> ] [ <no_of_clients> ] [ <port_status_no_clients> ] [ { TABLE_if_auth_clients [
<supp_mac_addr> ] [ <auth_domain> ] [ <auth_sm_state> ] [ <auth_bend_sm_state> ] [ <port_status> ] [
<authentication_method> ] [ <authenticated_by> ] [ <reauth_period_client> ] [ <reauth_action> ] [
<time_to_next_reauth> ] [ <url_redirect_acl> ] [ <url_redirect_link> ] [ <aaa_at_in_acl> ] [ <auth_vlan> ] [
<dacl_index> ] } ] [ <start_period> ] [ <auth_period> ] [ <held_period> ] [ <max_start> ] [
<no_of_supp_clients> ] [ <auth_mac_addr> ] [ <supp_sm_state> ] [ <supp_bend_sm_state> ] [
<supp_port_status> ] ]
```

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
details	802.1x details
<i>__readonly__</i>	(Optional)
TABLE_alldetail	(Optional)
TABLE_allpaedetail	(Optional)
TABLE_if_auth_clients	(Optional)
<i>if_index</i>	(Optional) Interface Index
<i>sys_auth_ctrl</i>	(Optional) Show System Auth Control
<i>proto_ver</i>	(Optional) Show Protocol Version
<i>mac_move</i>	(Optional) Show Mac Move
<i>server_dead_action_authz</i>	(Optional) show server_dead_action_authz flag info
<i>pae_type</i>	(Optional) Show PAE Type
<i>port_control</i>	(Optional) Show Port Control
<i>host_mode</i>	(Optional) Show Host Mode
<i>reauth</i>	(Optional) Show Reauth Enabled Status
<i>quiet_period</i>	(Optional) Show Quiet Period
<i>server_timeout</i>	(Optional) Show Server Timeout
<i>supp_timeout</i>	(Optional) Show Supp Timeout

<i>reauth_period</i>	(Optional) Show Reauth Period
<i>reauth_max</i>	(Optional) Show Reauth Max
<i>max_req</i>	(Optional) Show Max Req
<i>tx_period</i>	(Optional) Show Tx Period
<i>rate_limit_period</i>	(Optional) Show Rate Limit Period
<i>inactivity_period</i>	(Optional) Show Inactivity Period
<i>reauth_server</i>	(Optional) Show Reauth Server Enabled Status
<i>mac_auth_bypass</i>	(Optional) Show MAC Auth Bypass Enabled Status
<i>no_of_clients</i>	(Optional) Show Supplicant Clients
<i>port_status_no_clients</i>	(Optional) Show Port Status if there are no clients
<i>supp_mac_addr</i>	(Optional) Show Supplicant MAC Address
<i>auth_domain</i>	(Optional) Show Supplicant Auth Domain
<i>auth_sm_state</i>	(Optional) Show Authenticator SM State
<i>auth_bend_sm_state</i>	(Optional) Show Authenticator Backend State
<i>port_status</i>	(Optional) Show Port Status
<i>authentication_method</i>	(Optional) show authentication method
<i>authenticated_by</i>	(Optional) show authenticated by
<i>reauth_period_client</i>	(Optional) Show Reauth Period
<i>reauth_action</i>	(Optional) Show Reauthentication Action
<i>time_to_next_reauth</i>	(Optional) Show Time to Next Reauth
<i>url_redirect_acl</i>	(Optional) Show URL Re-Direct ACL
<i>url_redirect_link</i>	(Optional) Show URL Re-Direct Link
<i>aaa_at_in_acl</i>	(Optional) Show Filter-ID ACL
<i>auth_vlan</i>	(Optional) Show Vlan
<i>dacl_index</i>	(Optional) Show Dacl Index
<i>start_period</i>	(Optional) Show Supplicant Start Period
<i>auth_period</i>	(Optional) Show Supplicant Auth Period
<i>held_period</i>	(Optional) Show Supplicant Held Period
<i>max_start</i>	(Optional) Show Supplicant Max Start

<i>no_of_supp_clients</i>	(Optional) Show Supplicant Clients
<i>auth_mac_addr</i>	(Optional) Show Authenticator MAC Address
<i>supp_sm_state</i>	(Optional) Show Supplicant SM State
<i>supp_bend_sm_state</i>	(Optional) Show Supplicant Backend SM State
<i>supp_port_status</i>	(Optional) Show Supplicant Port Status

Command Mode

- /exec

show dot1x all statistics

```
show dot1x all statistics [ __readonly__ TABLE_allstat <if_index> TABLE_allpaestat <pae_type> [ <rxstart>
] [ <rxlogoff> ] [ <rxresp> ] [ <rxrespid> ] [ <rxinvalid> ] [ <rxlenerr> ] [ <rxtotal> ] [ <txreq> ] [ <txreqid>
] [ <txtotal> ] [ <rxversion> ] [ <lastrxsourcemac> ] [ <rxreq> ] [ <rxsuppinvalid> ] [ <rxsupplenerr> ] [
<rxsupptotal> ] [ <txstart> ] [ <txlogoff> ] [ <txresp> ] [ <txsupptotal> ] [ <rxsuppversion> ] [ <lastrxsrmac>
] ]
```

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
statistics	802.1x statistics
<i>__readonly__</i>	(Optional)
TABLE_allstat	(Optional)
TABLE_allpaestat	(Optional)
<i>if_index</i>	(Optional) Interface Index
<i>pae_type</i>	(Optional) Show PAE Type
<i>rxstart</i>	(Optional) Show Received EAPOL-Start
<i>rxlogoff</i>	(Optional) Show Received EAPOL-Logoff
<i>rxresp</i>	(Optional) Show Received EAP-Response
<i>rxrespid</i>	(Optional) Show Received EAP-ResponseID
<i>rxinvalid</i>	(Optional) Show Received Invalid EAPOL Frame
<i>rxlenerr</i>	(Optional) Show Received EAPOL Bad Length Frame
<i>rxtotal</i>	(Optional) Show Received Total EAPOL Frame
<i>txreq</i>	(Optional) Show Transmitted EAP-Request
<i>txreqid</i>	(Optional) Show Transmitted EAP-RequestID
<i>txtotal</i>	(Optional) Show Transmitted Total EAPOL Frame
<i>rxversion</i>	(Optional) Show Received EAPOL Version
<i>lastrxsourcemac</i>	(Optional) Show Last Source MAC
<i>rxreq</i>	(Optional) Show Received EAP-Request
<i>rxsuppinvalid</i>	(Optional) Show received Invalid EAPOL Frame
<i>rxsupplenerr</i>	(Optional) Show received EAPOL Bad Length Frame

<i>rxsupptotal</i>	(Optional) Show Received Total EAPOL Frame
<i>txstart</i>	(Optional) Show transmitted EAPOL-Start
<i>txlogoff</i>	(Optional) Show transmitted EAPOL-Logoff
<i>txresp</i>	(Optional) Show transmitted EAP-Response
<i>txsupptotal</i>	(Optional) Show transmitted Total EAPOL Frame
<i>rxsuppversion</i>	(Optional) Show Received EAPOL Version
<i>lastrxsrcmac</i>	(Optional) Show Last Source MAC received

Command Mode

- /exec

show dot1x all summary

```
show dot1x all summary [ __readonly__ TABLE_allsummary <if_index> <pae_type> [
<port_status_no_clients> ] [ { TABLE_if_auth_clients [ <auth_mac_addr> ] [ <port_status> } ] ] ]
```

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
summary	802.1x summary
<i>__readonly__</i>	(Optional)
<i>TABLE_allsummary</i>	(Optional)
<i>TABLE_if_auth_clients</i>	(Optional)
<i>if_index</i>	(Optional) Interface Index
<i>pae_type</i>	(Optional) Show PAE Type
<i>auth_mac_addr</i>	(Optional) Show Authenticator MAC Address
<i>port_status_no_clients</i>	(Optional) Show Port Status if there are no clients
<i>port_status</i>	(Optional) Show Port Status

Command Mode

- /exec

show dot1x interface

```
{ show dot1x interface <if> [ __readonly__ <if_index> <pae_type> [ <port_control> ] [ <host_mode> ] [
<quiet_period> ] [ <inactivity_period> ] [ <tx_period> ] [ <max_req> ] [ <reauth> ] [ <rate_limit_period> ] [
<supp_timeout> ] [ <server_timeout> ] [ <reauth_server> ] [ <reauth_period> ] [ <reauth_max> ] [
<mac_auth_bypass> ] [ <start_period> ] [ <auth_period> ] [ <held_period> ] [ <max_start> ] ] } | { show
dot1x interface <if> details [ __readonly__ <if_index_detail> <pae_type_detail> [ <port_control_detail> ] [
<host_mode_detail> ] [ <quiet_period_detail> ] [ <inactivity_period_detail> ] [ <tx_period_detail> ] [
<max_req_detail> ] [ <reauth_detail> ] [ <rate_limit_period_detail> ] [ <supp_timeout_detail> ] [
<server_timeout_detail> ] [ <reauth_server_detail> ] [ <reauth_period_detail> ] [ <reauth_max_detail> ] [
<mac_auth_bypass_detail> ] [ <no_of_clients> ] [ <port_status_no_clients_detail> ] [ {
TABLE_if_auth_clients_detail [ <supp_mac_addr_detail> ] [ <auth_domain> ] [ <auth_sm_state> ] [
<auth_bend_sm_state> ] [ <port_status> ] [ <authentication_method> ] [ <authenticated_by> ] [
<reauth_period_client> ] [ <reauth_action> ] [ <time_to_next_reauth> ] [ <url_redirect_acl> ] [
<url_redirect_link> ] [ <aaa_at_in_acl> ] [ <auth_vlan> ] [ <dacl_index> ] ] } [ <start_period_detail> ] [
<auth_period_detail> ] [ <held_period_detail> ] [ <max_start_detail> ] [ <no_of_supp_clients> ] [
<auth_mac_addr_detail> ] [ <supp_sm_state> ] [ <supp_bend_sm_state> ] [ <supp_port_status> ] ] } | { show
dot1x interface <if> statistics [ __readonly__ <if_index_stat> <pae_type_stat> [ <rxstart> ] [ <rxlogoff> ] [
<rxresp> ] [ <rxrespid> ] [ <rxinvalid> ] [ <rxlennerr> ] [ <rxtotal> ] [ <txreq> ] [ <txreqid> ] [ <txttotal> ] [
<rxversion> ] [ <lastrxsourcemacl> ] [ <rxreq> ] [ <rxsuppinvalid> ] [ <rxsupplennerr> ] [ <rxsupptotal> ] [
<txstart> ] [ <txlogoff> ] [ <txresp> ] [ <txsupptotal> ] [ <rxsuppversion> ] [ <lastrxsrclmacl> ] ] } | { show
dot1x interface <if> summary [ __readonly__ <if_index_summary> <pae_type_summary> [
<port_status_no_clients_summary> ] [ { TABLE_if_auth_clients_summary [ <auth_mac_addr> ] [
<port_status_summary> ] } ] [ <supp_mac_addr> ] [ <supp_port_status_summary> ] ] }
```

Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	
details	802.1x details
statistics	802.1x statistics
summary	802.1x summary
TABLE_if_auth_clients_detail	(Optional)
TABLE_if_auth_clients_summary	(Optional)
__readonly__	(Optional)
<i>if_index</i>	(Optional) Interface Index
<i>if_index_detail</i>	(Optional) Interface Index
<i>if_index_stat</i>	(Optional) Interface Index
<i>if_index_summary</i>	(Optional) Interface Index
<i>pae_type</i>	(Optional) Show PAE Type

<i>port_control</i>	(Optional) Show Port Control
<i>host_mode</i>	(Optional) Show Host Mode
<i>reauth</i>	(Optional) Show Reauth Enabled Status
<i>quiet_period</i>	(Optional) Show Quiet Period
<i>inactivity_period</i>	(Optional) Show Inactivity Period
<i>server_timeout</i>	(Optional) Show Server Timeout
<i>supp_timeout</i>	(Optional) Show Supp Timeout
<i>reauth_period</i>	(Optional) Show Reauth Period
<i>reauth_max</i>	(Optional) Show Reauth Max
<i>max_req</i>	(Optional) Show Max Req
<i>tx_period</i>	(Optional) Show Tx Period
<i>rate_limit_period</i>	(Optional) Show Rate Limit Period
<i>start_period</i>	(Optional) Show Supplicant Start Period
<i>auth_period</i>	(Optional) Show Supplicant Auth Period
<i>held_period</i>	(Optional) Show Supplicant Held Period
<i>max_start</i>	(Optional) Show Supplicant Max Start
<i>reauth_server</i>	(Optional) Show Reauth Server Enabled Status
<i>mac_auth_bypass</i>	(Optional) Show MAC Auth Bypass Enabled Status
<i>pae_type_detail</i>	(Optional) Show PAE Type
<i>port_control_detail</i>	(Optional) Show Port Control
<i>host_mode_detail</i>	(Optional) Show Host Mode
<i>reauth_detail</i>	(Optional) Show Reauth Enabled Status
<i>quiet_period_detail</i>	(Optional) Show Quiet Period
<i>inactivity_period_detail</i>	(Optional) Show Inactivity Period
<i>server_timeout_detail</i>	(Optional) Show Server Timeout
<i>supp_timeout_detail</i>	(Optional) Show Supp Timeout
<i>reauth_period_detail</i>	(Optional) Show Reauth Period
<i>reauth_max_detail</i>	(Optional) Show Reauth Max
<i>max_req_detail</i>	(Optional) Show Max Req

<i>tx_period_detail</i>	(Optional) Show Tx Period
<i>rate_limit_period_detail</i>	(Optional) Show Rate Limit Period
<i>reauth_server_detail</i>	(Optional) Show Reauth Server Enabled Status
<i>mac_auth_bypass_detail</i>	(Optional) Show MAC Auth Bypass Enabled Status
<i>no_of_clients</i>	(Optional) Show Supplicant Clients
<i>port_status_no_clients_detail</i>	(Optional) Show Port Status if there are no clients
<i>supp_mac_addr_detail</i>	(Optional) Show Supplicant MAC Address
<i>auth_domain</i>	(Optional) Show Supplicant Auth Domain
<i>auth_sm_state</i>	(Optional) Show Authenticator SM State
<i>auth_bend_sm_state</i>	(Optional) Show Authenticator Backend State
<i>port_status</i>	(Optional) Show Port Status
<i>authentication_method</i>	(Optional) show authentication method
<i>authenticated_by</i>	(Optional) show authenticated by
<i>reauth_period_client</i>	(Optional) Show Reauth Period
<i>reauth_action</i>	(Optional) Show Reauthentication Action
<i>time_to_next_reauth</i>	(Optional) Show Time to Next Reauth
<i>url_redirect_acl</i>	(Optional) Show URL Re-Direct ACL
<i>url_redirect_link</i>	(Optional) Show URL Re-Direct Link
<i>aaa_at_in_acl</i>	(Optional) Show Filter-ID ACL
<i>auth_vlan</i>	(Optional) Show vlan
<i>dacl_index</i>	(Optional) Show Dacl Index
<i>start_period_detail</i>	(Optional) Show Supplicant Start Period
<i>auth_period_detail</i>	(Optional) Show Supplicant Auth Period
<i>held_period_detail</i>	(Optional) Show Supplicant Held Period
<i>max_start_detail</i>	(Optional) Show Supplicant Max Start
<i>no_of_supp_clients</i>	(Optional) Show Supplicant Clients
<i>auth_mac_addr_detail</i>	(Optional) Show Authenticator MAC Address
<i>supp_sm_state</i>	(Optional) Show Supplicant SM State
<i>supp_bend_sm_state</i>	(Optional) Show Supplicant Backend SM State

<i>supp_port_status</i>	(Optional) Show Supplicant Port Status
<i>pae_type_stat</i>	(Optional) Show PAE Type
<i>rxstart</i>	(Optional) Show Received EAPOL-Start
<i>rxlogoff</i>	(Optional) Show Received EAPOL-Logoff
<i>rxresp</i>	(Optional) Show Received EAP-Response
<i>rxrespid</i>	(Optional) Show Received EAP-ResponseID
<i>rxinvalid</i>	(Optional) Show Received Invalid EAPOL Frame
<i>rxlenerr</i>	(Optional) Show Received EAPOL Bad Length Frame
<i>rxtotal</i>	(Optional) Show Received Total EAPOL Frame
<i>txreq</i>	(Optional) Show Transmitted EAP-Request
<i>txreqid</i>	(Optional) Show Transmitted EAP-RequestID
<i>txtotal</i>	(Optional) Show Transmitted Total EAPOL Frame
<i>rxversion</i>	(Optional) Show Received EAPOL Version
<i>lastrxsourcemac</i>	(Optional) Show Last Source MAC
<i>rxreq</i>	(Optional) Show Received EAP-Request
<i>rxsuppinvalid</i>	(Optional) Show received Invalid EAPOL Frame
<i>rxsupplenerr</i>	(Optional) Show received EAPOL Bad Length Frame
<i>rxsupptotal</i>	(Optional) Show Received Total EAPOL Frame
<i>txstart</i>	(Optional) Show transmitted EAPOL-Start
<i>txlogoff</i>	(Optional) Show transmitted EAPOL-Logoff
<i>txresp</i>	(Optional) Show transmitted EAP-Response
<i>txsupptotal</i>	(Optional) Show transmitted Total EAPOL Frame
<i>rxsuppversion</i>	(Optional) Show Received EAPOL Version
<i>lastrxsrmac</i>	(Optional) Show Last Source MAC received
<i>pae_type_summary</i>	(Optional) Show PAE Type
<i>port_status_no_clients_summary</i>	(Optional) Show Port Status if there are no clients
<i>port_status_summary</i>	(Optional) Show Port Status
<i>supp_port_status_summary</i>	(Optional) Show Port Status
<i>supp_mac_addr</i>	(Optional) Show Supplicant Client MAC Address

<i>auth_mac_addr</i>	(Optional) Show Auth Client MAC Address
----------------------	---

Command Mode

- /exec

show dot1x interface client statistics

```
show dot1x interface <if> client statistics [ __readonly__ <if_index_stat> <pae_type_stat> [ {
TABLE_mac_address [ <macaddr> ] [ <rxstart> ] [ <rxlogoff> ] [ <rxresp> ] [ <rxrespid> ] [ <rxinvalid> ] [
<rxlenerr> ] [ <rxtotal> ] [ <txreq> ] [ <txreqid> ] [ <txtotal> ] [ <rxversion> ] [ <lastrxsourcemac> } ] [
<spurious_rxstart> ] [ <spurious_rxlogoff> ] [ <spurious_rxresp> ] [ <spurious_rxrespid> ] [
<spurious_rxinvalid> ] [ <spurious_rxlenerr> ] [ <spurious_rxtotal> ] [ <spurious_txreq> ] [ <spurious_txreqid>
] [ <spurious_txtotal> ] [ <spurious_rxversion> ] [ <spurious_lastrxsourcemac> ] ]
```

Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	
client	802.1x client
statistics	802.1x statistics
<u>__readonly__</u>	(Optional)
TABLE_mac_address	(Optional)
<i>if_index_stat</i>	(Optional) Interface Index
<i>pae_type_stat</i>	(Optional) Show PAE Type
<i>macaddr</i>	(Optional) mac-address of the client
<i>rxstart</i>	(Optional) Show Received EAPOL-Start
<i>rxlogoff</i>	(Optional) Show Received EAPOL-Logoff
<i>rxresp</i>	(Optional) Show Received EAP-Response
<i>rxrespid</i>	(Optional) Show Received EAP-ResponseID
<i>rxinvalid</i>	(Optional) Show Received Invalid EAPOL Frame
<i>rxlenerr</i>	(Optional) Show Received EAPOL Bad Length Frame
<i>rxtotal</i>	(Optional) Show Received Total EAPOL Frame
<i>txreq</i>	(Optional) Show Transmitted EAP-Request
<i>txreqid</i>	(Optional) Show Transmitted EAP-RequestID
<i>txtotal</i>	(Optional) Show Transmitted Total EAPOL Frame
<i>rxversion</i>	(Optional) Show Received EAPOL Version
<i>lastrxsourcemac</i>	(Optional) Show Last Source MAC
<i>spurious_rxstart</i>	(Optional) Show Received EAPOL-Start of spurious macs

<i>spurious_rxlogoff</i>	(Optional) Show Received EAPOL-Logoff of spurious macs
<i>spurious_rxresp</i>	(Optional) Show Received EAP-Response of spurious macs
<i>spurious_rxrespid</i>	(Optional) Show Received EAP-ResponseID of spurious macs
<i>spurious_rxinvalid</i>	(Optional) Show Received Invalid EAPOL Frame of spurious macs
<i>spurious_rxlennerr</i>	(Optional) Show Received EAPOL Bad Length Frame of spurious macs
<i>spurious_rxtotal</i>	(Optional) Show Received Total EAPOL Frame of spurious macs
<i>spurious_txreq</i>	(Optional) Show Transmitted EAP-Request of spurious macs
<i>spurious_txreqid</i>	(Optional) Show Transmitted EAP-RequestID of spurious macs
<i>spurious_txtotal</i>	(Optional) Show Transmitted Total EAPOL Frame of spurious macs
<i>spurious_rxversion</i>	(Optional) Show Received EAPOL Version of spurious macs
<i>spurious_lastrxsourcemac</i>	(Optional) Show Last Source MAC of spurious macs

Command Mode

- /exec

show dot1x interface client statistics address

```
show dot1x interface <if> client statistics address <mac-address> [ __readonly__ <if_index_stat>
<pae_type_stat> [ <rxstart> ] [ <rxlogoff> ] [ <rxresp> ] [ <rxrespid> ] [ <rxinvalid> ] [ <rxlenerr> ] [ <rxtotal> ]
[ <txreq> ] [ <txreqid> ] [ <txtotal> ] [ <rxversion> ] [ <lastrxsourcemac> ] ]
```

Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	
client	802.1x client
statistics	802.1x statistics
address	802.1x client address
<i>mac-address</i>	mac address EE:EE:EE:EE:EE:EE
<i>__readonly__</i>	(Optional)
<i>if_index_stat</i>	(Optional) Interface Index
<i>pae_type_stat</i>	(Optional) Show PAE Type
<i>rxstart</i>	(Optional) Show Received EAPOL-Start
<i>rxlogoff</i>	(Optional) Show Received EAPOL-Logoff
<i>rxresp</i>	(Optional) Show Received EAP-Response
<i>rxrespid</i>	(Optional) Show Received EAP-ResponseID
<i>rxinvalid</i>	(Optional) Show Received Invalid EAPOL Frame
<i>rxlenerr</i>	(Optional) Show Received EAPOL Bad Length Frame
<i>rxtotal</i>	(Optional) Show Received Total EAPOL Frame
<i>txreq</i>	(Optional) Show Transmitted EAP-Request
<i>txreqid</i>	(Optional) Show Transmitted EAP-RequestID
<i>txtotal</i>	(Optional) Show Transmitted Total EAPOL Frame
<i>rxversion</i>	(Optional) Show Received EAPOL Version
<i>lastrxsourcemac</i>	(Optional) Show Last Source MAC

Command Mode

- /exec

show dpvm database

show dpvm database [active]

Syntax Description

show	Show running system information
dpvm	Show dpvm
database	Show dpvm configured database
active	(Optional) Show dpvm activated database

Command Mode

- /exec

show dpvm fip

show dpvm fip

Syntax Description

show	Show running system information
dpvm	Show dpvm commands
fip	Display the enabled FIP

Command Mode

- /exec

show dpvm merge statistics

show dpvm merge statistics

Syntax Description

show	Show running system information
dpvm	Show dpvm
merge	Show dpvm merge information
statistics	Show dpvm merge statistics

Command Mode

- /exec

show dpvm merge status

show dpvm merge status

Syntax Description

show	Show running system information
dpvm	Show dpvm
merge	Show dpvm merge information
status	Show dpvm merge status

Command Mode

- /exec

show dpvm pending-diff

show dpvm pending-diff

Syntax Description

show	Show running system information
dpvm	Show dpvm
pending-diff	Pending DPVM configuration diff

Command Mode

- /exec

show dpvm pending

show dpvm pending [activation status]

Syntax Description

show	Show running system information
dpvm	Show dpvm
pending	Pending DPVM configuration
activation	(Optional) Pending activate db
status	(Optional) Show dpvm activate failure status

Command Mode

- /exec

show dpvm ports

show dpvm ports [vsan <i0>]

Syntax Description

show	Show running system information
dpvm	Show dpvm
ports	Show dpvm dynamic ports
vsan	(Optional) Show dpvm dynamic ports for a given VSAN
<i>i0</i>	(Optional) vsan id

Command Mode

- /exec

show dpvm session status

show dpvm session status

Syntax Description

show	Show running system information
dpvm	Show dpvm
session	Show dpvm session information
status	Show dpvm session status

Command Mode

- /exec

show dpvm status

show dpvm status

Syntax Description

show	Show running system information
dpvm	Show dpvm
status	Show dpvm status

Command Mode

- /exec



E Show Commands

- [show ecp](#), on page 488
- [show elam report](#), on page 490
- [show email](#), on page 491
- [show encryption service status](#), on page 492
- [show environment](#), on page 493
- [show epbr policy](#), on page 499
- [show epbr statistics policy](#), on page 501
- [show errdisable detect](#), on page 502
- [show errdisable flap](#), on page 503
- [show esmc counters interface](#), on page 504
- [show esmc packet-trace](#), on page 505
- [show ethanalyzer background-session](#), on page 506
- [show evb](#), on page 507
- [show evb hosts](#), on page 508
- [show evb vsi](#), on page 510
- [show event manager environment](#), on page 512
- [show event manager event-types](#), on page 513
- [show event manager events action-log](#), on page 514
- [show event manager history events](#), on page 515
- [show event manager policy-state](#), on page 516
- [show event manager script system](#), on page 517
- [show event manager system-policy](#), on page 518

show ecp

```
show ecp [ detail ] [ __readonly__ <ecp_rte> <ecp_retries> [ <ecp_mode> ] <ecp_cnt_rx_pkt>
<ecp_cnt_tx_pkt> [ { TABLE_ecp_plugin <plugin_id> <plugin_desc> <plugin_status> } ] [ {
TABLE_ecp_session <session_id> <session_interface> <session_svlan> [ <session_peer_mac> ]
<session_rx_seq> <session_tx_seq> [ <session_cnt_rx_pkt> ] [ <session_cnt_rx_dup> ] [
<session_cnt_rx_drop> ] [ <session_cnt_tx_pkt> ] [ <session_cnt_tx_retry> ] [ <session_cnt_tx_err> ] } ] ]
```

Syntax Description

show	Show running system information
ecp	ECP (Edge Control Protocol)
detail	(Optional) Detailed information
__readonly__	(Optional)
<i>ecp_rte</i>	(Optional) Retransmission timer init exponent
<i>ecp_retries</i>	(Optional) Maximal number of retransmissions
<i>ecp_mode</i>	(Optional) ECP mode
<i>ecp_cnt_rx_pkt</i>	(Optional) No. received packet
<i>ecp_cnt_tx_pkt</i>	(Optional) No. transmitted packet
TABLE_ecp_plugin	(Optional) ECP plugin table
<i>plugin_id</i>	(Optional) Plugin id
<i>plugin_desc</i>	(Optional) Plugin description
<i>plugin_status</i>	(Optional) Plugin status
TABLE_ecp_session	(Optional) ECP session table
<i>session_id</i>	(Optional) Session id
<i>session_svlan</i>	(Optional) S-Vlan
<i>session_peer_mac</i>	(Optional) Peer mac
<i>session_interface</i>	(Optional) Interface
<i>session_rx_seq</i>	(Optional) Receive sequence
<i>session_tx_seq</i>	(Optional) Transmit sequence
<i>session_cnt_rx_pkt</i>	(Optional) No. receive packet
<i>session_cnt_rx_dup</i>	(Optional) No. receive duplicate
<i>session_cnt_rx_drop</i>	(Optional) No. receive drop

<i>session_cnt_tx_pkt</i>	(Optional) No. transmit packet
<i>session_cnt_tx_retry</i>	(Optional) No. transmit retry
<i>session_cnt_tx_err</i>	(Optional) No. transmit error

Command Mode

- /exec

show elam report

show elam report [l2 | l3 | l4 | aclqos | mcast | mpls]

Syntax Description

show	Show running system information
elam	elam
report	Show ELAM report
l2	(Optional) Layer 2 header report
l3	(Optional) Layer 3 header report
l4	(Optional) Layer 4 header report
aclqos	(Optional) Aclqos report
mcast	(Optional) Multicast report
mpls	(Optional) MPLS report

Command Mode

- /exec/elamtah/outsel2

show email

```
show email [ __readonly__ [ <ipv4> ] [ <ipv6> ] [ <host> ] [ <port> ] [ <reply> ] [ <from> ] [ <vrfname> ] ]
```

Syntax Description

show	Show running system information
email	Pipe email configuration
<i>__readonly__</i>	(Optional)
<i>ipv4</i>	(Optional)
<i>ipv6</i>	(Optional)
<i>host</i>	(Optional)
<i>port</i>	(Optional)
<i>reply</i>	(Optional)
<i>from</i>	(Optional)
<i>vrfname</i>	(Optional)

Command Mode

- /exec

show encryption service status

```
show encryption service status [ __readonly__ [ <encryptionService> <MasterKeyEncryption>
<Type6Encryption> ] ]
```

Syntax Description

show	Show running system information
encryption	Encryption service
service	Encryption service
status	Encryption service status
<i>__readonly__</i>	(Optional)
<i>encryptionService</i>	(Optional) Encryption service status
<i>MasterKeyEncryption</i>	(Optional) Master key status
<i>Type6Encryption</i>	(Optional) Is type 6 encryption used?

Command Mode

- /exec

show environment

```
show environment [ fan [ detail1 ] | power [ detail ] [ ampere ] [ input ] | temperature [ module <module> |
<s0> <santa-cruz-range> | psu ] [ _readonly_ [ { TABLE_clockinfo <clockname> <clkmodel> <clkhwver>
<clkstatus> <act_standby> } ] [ { fandetails [ { TABLE_faninfo <fanname> <fanmodel> <fanhwver> <fandir>
<fanstatus> } ] { TABLE_fan_zone_speed <zone> <zonespeed> } [ <fan_filter_status> ] [ { TABLE_fantray
<fanname> <trayfannum> <fandir> <fanperc> <fanrpm> } ] [ { TABLE_psufan <fanname> <fan1rpm>
<fan2rpm> } ] ] [ { powersup [ <voltage_level> ] [ { TABLE_psinfo <psnum> <psmodel> [ <actual_out>
] [ <actual_input> ] [ <tot_capa> ] [ <input_type> ] [ <watts> ] [ <amps> ] [ <ps_status> ] [ <ps_status_3k>
] ] ] [ { TABLE_mod_pow_info <modnum> <mod_model> [ <actual_draw> ] [ <allocated> ] [
<watts_requested> ] [ <amps_requested> ] [ <watts_allocated> ] [ <amps_allocated> ] [ <modstatus> ] [
<modstatus_3k> ] ] ] [ { power_summary [ <ps_redun_mode> ] [ <ps_redun_mode_3k> ] [ <ps_oper_mode>
] [ <ps_redun_op_mode> ] <tot_pow_capacity> [ <tot_gridA_capacity> ] [ <tot_gridB_capacity> ] [
<cumulative_power> ] [ <tot_pow_out_actual_draw> ] [ <tot_pow_input_actual_draw> ] [
<tot_pow_alloc_budgeted> ] [ <reserve_sup> ] [ <pow_used_by_mods> ] <available_pow> } ] [ {
powersup_detail [ <reserve_sup> ] [ <reserve_xbar> ] [ <reserve_fan> ] [ <reserve_supxbarfan> ] [
<pow_used_by_mods> ] ] [ <all_inlets_connected> ] [ { TABLE_ps_detail_info <det_name> <det_total_cap>
<det_volt> <det_pintot> [ <det_pina> ] <det_vin> <det_iin> <det_pout> <det_vout> <det_iout> [ <det_pinb>
] [ <det_iinb> ] [ <det_vinb> ] [ <det_cord> ] <det_sw_alarm> [ { TABLE_det_hw_alarm_regval <regnum>
<regval> } ] [ { TABLE_det_hw_alarm_str <regnumstr> <bitnumstr> <alarm_str> } ] ] ] [ {
TABLE_psinputinfo_n3k <ps_slot> <ps_input_voltage> <ps_input_current> [ <ps_in_power> ] [
<ps_output_voltage> ] [ <ps_output_current> ] <ps_state> } ] ] [ { fandetails_3k [ { TABLE_faninfo
<fanname> <fanmodel> <fanhwver> <fandir> <fanstatus> } ] { TABLE_fan_zone_speed <zone> <speed>
} <fan_filter_status> [ { TABLE_fantray <fanname> <fannum> <fandir> <fanperc> <fanrpm> } ] [ {
TABLE_psufan <fanname> <fan1rpm> <fan2rpm> } ] ] ] [ { TABLE_tempinfo <tempmod> <sensor>
<majthres> <minthres> <curtemp> <alarmstatus> [ <temptype> ] ] ] [ { TABLE_psutempinfo <psumod>
<inlet_temp> <outlet_temp> <heatsink_temp> } ] ]
```

Syntax Description

show	Show running system information
environment	system environment information
fan	(Optional) Fan information
power	(Optional) Power capacity and power distribution information
detail	(Optional) Detail Fan-tray information when used with Fan. Detail Power capacity and power distribution information when used with Power
detail1	(Optional) Detail Fan-tray information when used with Fan
ampere	(Optional) Ampere Power capacity and power distribution information
input	(Optional) Power supply power input
temperature	(Optional) temperature sensor information
module	(Optional) enter a module number
<i>module</i>	(Optional) please enter the module number

<i>s0</i>	(Optional) xbar
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
psu	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_clockinfo	(Optional) Environment Clock
<i>clockname</i>	(Optional) Clock Instance (A or B)
<i>clkmodel</i>	(Optional) Model number of clock
<i>clkhwver</i>	(Optional) Hardware version of the clock
<i>clkstatus</i>	(Optional) Present/Absent Status of the clock
<i>act_standby</i>	(Optional) Active/Standby Status of clock
fanetails	(Optional) Environment Fan
TABLE_faninfo	(Optional) Fan Info
<i>fanname</i>	(Optional) Fan Instance
<i>fanmodel</i>	(Optional) Model number of fan
<i>fanhwver</i>	(Optional) Hardware version of the fan
<i>fandir</i>	(Optional) Air-flow direction of the fan-tray
<i>fanstatus</i>	(Optional) Present/Absent Status of the fan
TABLE_fan_zone_speed	(Optional) Fan Zone Speeds
<i>zone</i>	(Optional) Zone Number
<i>zonespeed</i>	(Optional) Zone Speed
<i>fan_filter_status</i>	(Optional) Present/Absent Status of fan filter
TABLE_fantray	(Optional) Fan Tray Details table
<i>fanname</i>	(Optional) Fan Tray Instance
<i>trayfannum</i>	(Optional) Fan number in the tray
<i>fandir</i>	(Optional) Air-flow direction of the fan-tray
<i>fanperc</i>	(Optional) FAN Speed percentage
<i>fanrpm</i>	(Optional) FAN Speed RPM
TABLE_psufan	(Optional) PSU Fan Details table
<i>fanname</i>	(Optional) PSU Fan Instance

<i>fan1rpm</i>	(Optional) FAN1 Speed RPM
<i>fan2rpm</i>	(Optional) FAN2 Speed RPM
<i>fanetails_3k</i>	(Optional) Environment Fan
TABLE_faninfo	(Optional) Fan Info
<i>fanname</i>	(Optional) Fan Instance
<i>fanmodel</i>	(Optional) Model number of fan
<i>fanhwver</i>	(Optional) Hardware version of the fan
<i>fandir</i>	(Optional) Air-flow direction of the fan-tray
<i>fanstatus</i>	(Optional) Present/Absent Status of the fan
TABLE_fan_zone_speed	(Optional) Fan Zone Speeds
<i>zone</i>	(Optional) Zone Number
<i>speed</i>	(Optional) Zone Speed
<i>fan_filter_status</i>	(Optional) Present/Absent Status of fan filter
TABLE_fantray	(Optional) Fan Tray Details table
<i>fanname</i>	(Optional) Fan Tray Instance
<i>fannum</i>	(Optional) Fan number in the tray
<i>fandir</i>	(Optional) Air-flow direction of the fan-tray
<i>fanperc</i>	(Optional) FAN Speed percentage
<i>fanrpm</i>	(Optional) FAN Speed RPM
TABLE_psufan	(Optional) PSU Fan Details table
<i>fanname</i>	(Optional) PSU Fan Instance
<i>fan1rpm</i>	(Optional) FAN1 Speed RPM
<i>fan2rpm</i>	(Optional) FAN2 Speed RPM
<i>powersup</i>	(Optional) Environment Power
<i>voltage_level</i>	(Optional) Voltage Level
TABLE_psinfo	(Optional) Power Supply Info
<i>psnum</i>	(Optional) Power Supply Number
<i>psmodel</i>	(Optional) Power Supply Model
<i>actual_out</i>	(Optional) Actual Output

<i>actual_input</i>	(Optional) Actual Input
<i>tot_capa</i>	(Optional) Total Capacity
<i>input_type</i>	(Optional) Power Supply Input Type
<i>watts</i>	(Optional) Power in Watts
<i>amps</i>	(Optional) Power in Amps
<i>ps_status</i>	(Optional) Power Supply Status
<i>ps_status_3k</i>	(Optional) Power Supply Status
TABLE_mod_pow_info	(Optional) Module Power Info
<i>modnum</i>	(Optional) Module number
<i>mod_model</i>	(Optional) Model ProductID number
<i>actual_draw</i>	(Optional) Actual Draw
<i>allocated</i>	(Optional) Power allocated
<i>watts_requested</i>	(Optional) Power requested in Watts
<i>amps_requested</i>	(Optional) Power requested in Amps
<i>watts_alloced</i>	(Optional) Power allocated in Watts
<i>amps_alloced</i>	(Optional) Power allocated in Amps
<i>modstatus</i>	(Optional) Module Status
<i>modstatus_3k</i>	(Optional) Module status
<i>power_summary</i>	(Optional) Power Usage Summary
<i>ps_redun_mode</i>	(Optional) Mode: Redundant or Non-redundant
<i>ps_redun_mode_3k</i>	(Optional) Mode: Redundant or Non-redundant
<i>ps_redun_op_mode</i>	(Optional) Operational mode: Redundant or Non-redundant
<i>ps_oper_mode</i>	(Optional) Operational Mode
<i>tot_pow_capacity</i>	(Optional) Total Power Capacity
<i>tot_gridA_capacity</i>	(Optional) Total Grid-A Capacity
<i>tot_gridB_capacity</i>	(Optional) Total Grid-B Capacity
<i>cumulative_power</i>	(Optional) Total Power of all Inputs
<i>tot_pow_out_actual_draw</i>	(Optional) Total Power Output, Actuals
<i>tot_pow_input_actual_draw</i>	(Optional) Total Power Input, Actuals

<i>tot_pow_alloc_budgeted</i>	(Optional) Total Power Allocated/budgeted
<i>reserve_sup</i>	(Optional) Power reserved for Supervisors
<i>pow_used_by_mods</i>	(Optional) Power currently used by Modules
<i>available_pow</i>	(Optional) Remaining Power Available
<i>powersup_detail</i>	(Optional) PowerSupply Details
<i>reserve_sup</i>	(Optional) Power reserved for Supervisors
<i>reserve_xbar</i>	(Optional) Power reserved for Xbars
<i>reserve_fan</i>	(Optional) Power reserved for Fans
<i>reserve_supxbarfan</i>	(Optional) Total Power reserved for Sups,Xbars,Fans
<i>pow_used_by_mods</i>	(Optional) Power currently used by Modules
<i>all_inlets_connected</i>	(Optional) Are all inlet cords connected
TABLE_ps_detail_info	(Optional) Power supply detail information
<i>det_name</i>	(Optional) Power supply name
<i>det_total_cap</i>	(Optional) Power supply total capacity
<i>det_volt</i>	(Optional) Power supply voltage
<i>det_pintot</i>	(Optional) Power supply pin A total power
<i>det_pina</i>	(Optional) PS pin A
<i>det_vin</i>	(Optional) PS Vin
<i>det_iin</i>	(Optional) PS Iin
<i>det_pout</i>	(Optional) PS Power out
<i>det_vout</i>	(Optional) PS voltaget out
<i>det_iout</i>	(Optional) PS current in
<i>det_pinb</i>	(Optional) PS pin B
<i>det_iinb</i>	(Optional) PS Iin B
<i>det_vinb</i>	(Optional) PS Vin B
<i>det_cord</i>	(Optional) PS cord
<i>det_sw_alarm</i>	(Optional) PS software alarm
TABLE_det_hw_alarm_regval	(Optional) PS hardware alarm
<i>regnum</i>	(Optional) HW alarm register

<i>regval</i>	(Optional) Alarm reg value
TABLE_det_hw_alarm_str	(Optional) PS Hardware alarm string
<i>regnumstr</i>	(Optional) Alarm reg number
<i>bitnumstr</i>	(Optional) Alarm register bit
<i>alarm_str</i>	(Optional) Alarm cause
TABLE_psinputinfo_n3k	(Optional) Power Supply power input
<i>ps_slot</i>	(Optional) Power Supply Number
<i>ps_input_voltage</i>	(Optional) Power Supply input voltage
<i>ps_input_current</i>	(Optional) Power Supply input current
<i>ps_in_power</i>	(Optional) Power Supply input power
<i>ps_output_voltage</i>	(Optional) Power Supply output voltage
<i>ps_output_current</i>	(Optional) Power Supply output current
<i>ps_state</i>	(Optional) Power Supply status
TABLE_tempinfo	(Optional) Environment Temperature
<i>tempmod</i>	(Optional) Module
<i>sensor</i>	(Optional) Sensor name
<i>majthres</i>	(Optional) Major Threshold
<i>minthres</i>	(Optional) Minor Threshold
<i>curtemp</i>	(Optional) Current temperature
<i>alarmstatus</i>	(Optional) Alarm Status
<i>temptype</i>	(Optional) Control or Monitor temperature
TABLE_psutempinfo	(Optional) PSU temperature info table
<i>psumod</i>	(Optional) PSU Module
<i>inlet_temp</i>	(Optional) Inlet Temperature
<i>outlet_temp</i>	(Optional) Outlet Temperature
<i>heatsink_temp</i>	(Optional) Heatsink Temperature

Command Mode

- /exec

show epbr policy

```
show epbr policy [ <policy-name> ] [ reverse ] [ __readonly__ TABLE_pmap <pname> [ {
TABLE_pmap_match <match_type> <match_stmt> <action> [ { TABLE_pmap_s_chain <seq> <sname>
<action> [ { TABLE_pmap_s_chain_entry <ip_type> <svc_ep> [ <track_id> ] [ <probe_state> } ] } ] } ] [
<intf_name> [ <egress_intf_name> ] ]+ ]
```

Syntax Description

show	Show running system information
epbr	Show information about epbr
policy	EPBR policy name
<i>policy-name</i>	(Optional) Policy name
reverse	(Optional) Apply the policy in reverse dir
<i>__readonly__</i>	(Optional) Read Only
TABLE_pmap	(Optional)
<i>pname</i>	(Optional) Policy Name
TABLE_pmap_match	(Optional)
<i>match_type</i>	(Optional) Match Type
<i>match_stmt</i>	(Optional) Match Statement
<i>action</i>	(Optional) Traffic action
TABLE_pmap_s_chain	(Optional)
<i>seq</i>	(Optional) Sequence Number
<i>sname</i>	(Optional) Service Name
<i>action</i>	(Optional) Action
TABLE_pmap_s_chain_entry	(Optional)
<i>ip_type</i>	(Optional) IP type
<i>svc_ep</i>	(Optional) Service Endpoint
<i>track_id</i>	(Optional) Track ID
<i>probe_state</i>	(Optional) Probe State
<i>intf_name</i>	(Optional) Interface Name
<i>egress_intf_name</i>	(Optional) Egress Interface Name

Command Mode

- /exec

show epbr statistics policy

```
show epbr statistics policy <policy-name> [ reverse ] [ __readonly__ TABLE_pmap <pname> <match_stmt>
<bcount> [ { TABLE_pmap_t_match <bname> [ { TABLE_pmap_b_stats <sname> <pval> <action> } ] } ]
]
```

Syntax Description

show	Show running system information
epbr	Show information about epbr
statistics	EPBR Statistics
policy	EPBR Policy
<i>policy-name</i>	Policy name
reverse	(Optional) Apply the policy in reverse dir
<i>__readonly__</i>	(Optional) Read Only
TABLE_pmap	(Optional)
<i>pname</i>	(Optional) Policy Name
<i>match_stmt</i>	(Optional) Match Statement
<i>bcount</i>	(Optional) Bucket Count
TABLE_pmap_t_match	(Optional)
<i>bname</i>	(Optional) Bucket Name
TABLE_pmap_b_stats	(Optional)
<i>sname</i>	(Optional) Service Name
<i>pval</i>	(Optional) Packet Value
<i>action</i>	(Optional) Action

Command Mode

- /exec

show errdisable detect

```
show errdisable { detect | recovery } [ __readonly__ TABLE_errdisable <cause> <state> [ <time_interval> ] ]
```

Syntax Description

show	Show running system information
errdisable	Error disable
detect	Show errdisable detect
recovery	Show errdisable recovery
__readonly__	(Optional) Read Only
TABLE_errdisable	(Optional) show errdisable
cause	(Optional) errdisable cause
state	(Optional) Interface state
time_interval	(Optional) err recovery time interval

Command Mode

- /exec

show errdisable flap

show errdisable flap

Syntax Description

show	Show running system information
errdisable	Error disable
flap	linkstate flapping

Command Mode

- /exec

show esmc counters interface

```
show esmc counters { interface <if0> | all } [ __readonly__ [ TABLE_esmc <intf_name> <esmc_infos_sent>
<esmc_events_sent> <esmc_dnus_sent> <esmc_infos_rcvd> <esmc_events_rcvd> <esmc_dnus_rcvd>
<esmc_malformed_rcvd> <esmc_rcvd_error> ] <esmc-end> ]
```

Syntax Description

show	Show running system information
esmc	Ethernet Synchronization Messaging Channel
__readonly__	(Optional) Read Only
counters	Display ESMC packet counters
interface	Enter the port interface
<i>if0</i>	
all	Displays all information
TABLE_esmc	(Optional) Start of table
<i>intf_name</i>	(Optional) Interface name
<i>esmc_infos_sent</i>	(Optional) esmc infos sent
<i>esmc_events_sent</i>	(Optional) esmc events sent
<i>esmc_dnus_sent</i>	(Optional) esmc dnus sent
<i>esmc_infos_rcvd</i>	(Optional) esmc infos rcvd
<i>esmc_events_rcvd</i>	(Optional) esmc events rcvd
<i>esmc_dnus_rcvd</i>	(Optional) esmc dnus rcvd
<i>esmc_malformed_rcvd</i>	(Optional) esmc malformed rcvd frames
<i>esmc_rcvd_error</i>	(Optional) esmc rcvd frame errors
<i>esmc-end</i>	(Optional) End of table

Command Mode

- /exec

show esmc packet-trace

```
show esmc packet-trace [ __readonly__ <esmc-header> [ TABLE_esmc <intf-name> <sup-time> <pkt_dir>
<pkt_type> <pkt_info> ] <esmc-end> ]
```

Syntax Description

show	Show running system information
esmc	Ethernet Synchronization Messaging Channel
<i>__readonly__</i>	(Optional) Read Only
packet-trace	Display last few packet traces
<i>esmc-header</i>	(Optional) start of table
TABLE_esmc	(Optional) ESMC table
<i>intf-name</i>	(Optional) interface name
<i>sup-time</i>	(Optional) sup time
<i>pkt_dir</i>	(Optional) packet direction
<i>pkt_type</i>	(Optional) packet type
<i>pkt_info</i>	(Optional) packet information
<i>esmc-end</i>	(Optional) end of table

Command Mode

- /exec

show ethanalyzer background-session

```
show ethanalyzer background-session { [ processes ] | [ config ] }
```

Syntax Description

show	Show running system information
ethanalyzer	Configure cisco packet analyzer
background-session	Show background packet analyzer sessions
processes	(Optional) Show background packet analyzer sessions processes
config	(Optional) Print background packet analyzer session configuration file

Command Mode

- /exec

show evb

```
show evb [ __readonly__ <evb_role> <evb_vdp_mac> [ <evb_cisco_mac> ] [ <evb_user_mac> ] <evb_rwd>
<evb_rka> <evb_cnt_recv_vdpdu> <evb_cnt_drop_vdpdu> <evb_cnt_recv_tlv> <evb_cnt_recv_mgr_tlv>
<evb_cnt_recv_assoc_tlv> <evb_cnt_recv_cmd> ]
```

Syntax Description

show	Show running system information
evb	EVb (Edge Virtual Bridge)
__readonly__	(Optional)
<i>evb_role</i>	(Optional) EVb role
<i>evb_vdp_mac</i>	(Optional) VDP Mac address
<i>evb_cisco_mac</i>	(Optional) Cisco Mac address
<i>evb_user_mac</i>	(Optional) User mac address
<i>evb_rwd</i>	(Optional) Resource wait init exponent
<i>evb_rka</i>	(Optional) Keep-alive init exponent
<i>evb_cnt_recv_vdpdu</i>	(Optional) No. received vdpdu
<i>evb_cnt_drop_vdpdu</i>	(Optional) No. dropped vdpdu
<i>evb_cnt_recv_tlv</i>	(Optional) No. received tlv
<i>evb_cnt_recv_mgr_tlv</i>	(Optional) No. received mgr tlv
<i>evb_cnt_recv_assoc_tlv</i>	(Optional) No. received assoc tlv
<i>evb_cnt_recv_cmd</i>	(Optional) No. received commands

Command Mode

- /exec

show evb hosts

```
show evb hosts [ { summary | detail | internal-info } ] [ { [ mac <mac-addr> | interface <intf-name> | vlan
<vlan-id> | vni <vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> | name <host-name> ] + } ] [ __readonly__
<evb_cnt_host> <evb_cnt_assoc_vsi> [ { TABLE_evb_host <host_row_id> <host_name> [ <host_uuid> ] [
{ TABLE_evb_vsi <vsi_row_id> <mgr_id> <vsi_id> [ <vsi_host_name> ] <interface> [ <vpc> ] [ <s_channel>
] [ <station_mac> ] [ <m_state> ] [ <e_state> ] [ <reason> ] [ <timer> ] [ <profile_id> ] [ {
TABLE_evb_vsi_filter <filter_row_id> [ <filter_group> ] [ <filter_vid> ] [ <filter_bd> ] [ <filter_mac> ] [
<filter_ip> ] } ] } ] } ] }
```

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
hosts	Host information
summary	(Optional) Display summary information
detail	(Optional) Display detailed information
internal-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mac	(Optional) Display hosts by MAC address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Display hosts by interface
<i>intf-name</i>	(Optional) Interface name
vlan	(Optional) Display hosts by VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) Display hosts by Virtual Network Identifier
<i>vni-id</i>	(Optional) VNI
ip	(Optional) Display hosts by IP address
ipv6	(Optional) Display hosts by IPv6 address
<i>ip-addr</i>	(Optional) IP address
name	(Optional) Display hosts by host name
<i>host-name</i>	(Optional) Host name substring
__readonly__	(Optional)
<i>evb_cnt_host</i>	(Optional) No. host entries
<i>evb_cnt_assoc_vsi</i>	(Optional) No. associated VSI entires

TABLE_evb_host	(Optional) EVB host table
<i>host_row_id</i>	(Optional) Host row id
<i>host_name</i>	(Optional) Host name
<i>host_uuid</i>	(Optional) Host uuid
TABLE_evb_vsi	(Optional) EVB vsi table
<i>vsi_row_id</i>	(Optional) VSI row id
<i>mgr_id</i>	(Optional) Manager id
<i>vsi_id</i>	(Optional) VSI id
<i>vsi_host_name</i>	(Optional) Host name
<i>interface</i>	(Optional) Interface
<i>vpc</i>	(Optional) VPC
<i>s_channel</i>	(Optional) S-Channel
<i>station_mac</i>	(Optional) Station mac address
<i>profile_id</i>	(Optional) Profile id
<i>m_state</i>	(Optional) Machine state
<i>e_state</i>	(Optional) Entry state
<i>reason</i>	(Optional) State reason
<i>timer</i>	(Optional) Countdown timer
TABLE_evb_vsi_filter	(Optional) EVB filter table
<i>filter_row_id</i>	(Optional) Filter row id
<i>filter_group</i>	(Optional) Group id
<i>filter_vid</i>	(Optional) Vlan id
<i>filter_bd</i>	(Optional) Bridge-domain id
<i>filter_mac</i>	(Optional) Mac address
<i>filter_ip</i>	(Optional) IP address

Command Mode

- /exec

show evb vsi

```
show evb vsi [ { summary | detail | internal-info } ] [ [ { mac <mac-addr> | interface <intf-name> | vlan
<vlan-id> | vni <vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> } + } ] [ __readonly__ <evb_cnt_vsi>
<evb_cnt_assoc_vsi> [ { TABLE_evb_vsi <vsi_row_id> <mgr_id> <vsi_id> [ <vsi_host_name> ] <interface>
[ <vpc> ] [ <s_channel> ] [ <station_mac> ] [ <m_state> ] [ <e_state> ] [ <reason> ] [ <timer> ] [ <profile_id>
] [ { TABLE_evb_vsi_filter <filter_row_id> [ <filter_group> ] [ <filter_vid> ] [ <filter_bd> ] [ <filter_mac>
] [ <filter_ip> ] } } ] ] ]
```

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
vsi	Virtual Station Interface (VSI) information
summary	(Optional) Display summary information
detail	(Optional) Display detailed information
internal-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mac	(Optional) Display VSI by MAC address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Display VSI by interface
<i>intf-name</i>	(Optional) Interface name
vlan	(Optional) Display VSI by VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) Display VSI by Virtual Network Identifier
<i>vni-id</i>	(Optional) VNI
ip	(Optional) Display VSI by IP address
ipv6	(Optional) Display VSI by IPv6 address
<i>ip-addr</i>	(Optional) IP address
<i>__readonly__</i>	(Optional)
<i>evb_cnt_vsi</i>	(Optional) No. VSI entries
<i>evb_cnt_assoc_vsi</i>	(Optional) No. associated VSI entires
TABLE_evb_vsi	(Optional) EVB vsi table
<i>vsi_row_id</i>	(Optional) VSI row id

<i>mgr_id</i>	(Optional) Manager id
<i>vsi_id</i>	(Optional) VSI id
<i>vsi_host_name</i>	(Optional) Host name
<i>interface</i>	(Optional) Interface
<i>vpc</i>	(Optional) VPC
<i>s_channel</i>	(Optional) S-Channel
<i>station_mac</i>	(Optional) Station mac address
<i>profile_id</i>	(Optional) Profile id
<i>m_state</i>	(Optional) Machine state
<i>e_state</i>	(Optional) Entry state
<i>reason</i>	(Optional) State reaon
<i>timer</i>	(Optional) Countdown timer
TABLE_evb_vsi_filter	(Optional) EVB filter table
<i>filter_row_id</i>	(Optional) Filter row id
<i>filter_group</i>	(Optional) Group id
<i>filter_vid</i>	(Optional) Vlan id
<i>filter_bd</i>	(Optional) Bridge-domain id
<i>filter_mac</i>	(Optional) Mac address
<i>filter_ip</i>	(Optional) IP address

Command Mode

- /exec

show event manager environment

show event manager environment { all | <varname> } [__readonly__ <environment-details>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
environment	Show information about environment variables
all	Show information about all the configured environment variables
<i>varname</i>	The environment variable name on which information is required
<i>__readonly__</i>	(Optional)
<i>environment-details</i>	(Optional) Show information about environment variables

Command Mode

- /exec

show event manager event-types

```
show event manager event-types [ all | <event-type-name> ] [ module <module-id> ] [ __readonly__ {
<event-types> } ]
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
event-types	Show information about registered event types
all	(Optional) Show information about advanced event types as well
<i>event-type-name</i>	(Optional) Show information about the specified event type
module	(Optional) Show information about event types on other modules
<i>module-id</i>	(Optional) Module Id
__readonly__	(Optional)
<i>event-types</i>	(Optional) Show information about registered event types

Command Mode

- /exec

show event manager events action-log

```
show event manager events action-log [ policy <policy-name> | event-type <event-type-name> ] [ __readonly__
{ <action-log-data> } ]
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
events	Show information about the history of past events
action-log	Show policy action logs
policy	(Optional) Name of policy
<i>policy-name</i>	(Optional) Enter policy name
event-type	(Optional) Name of event
<i>event-type-name</i>	(Optional) Enter event type
__readonly__	(Optional)
<i>action-log-data</i>	(Optional) Show information about the policy action logs

Command Mode

- /exec

show event manager history events

```
show event manager history events [ detail ] [ maximum <n-events> ] [ severity <sev> ] [ __readonly__ {
<history-events> } ]
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
history	Show information about the history of past activity
events	Show information about the history of past events
detail	(Optional) Show information about the event parameters as well
maximum	(Optional) Specify an upper limit on the number of events to be shown
<i>n-events</i>	(Optional) Specify the maximum number of events to be shown
severity	(Optional) Show only those events whose severity is >= specified severity
<i>sev</i>	(Optional) Enter the severity threshold
__readonly__	(Optional)
<i>history-events</i>	(Optional) Show information about the history of past events

Command Mode

- /exec

show event manager policy-state

```
show event manager policy-state <name> [ module <module-id> ] [ __readonly__ { <policy-state> } ]
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
policy-state	Show information about the state of a policy
<i>name</i>	Name of the policy
module	(Optional) Get the information from a module
<i>module-id</i>	(Optional) Module Id
<i>__readonly__</i>	(Optional)
<i>policy-state</i>	(Optional) Show information about the state of a policy

Command Mode

- /exec

show event manager script system

```
show event manager script system { all | <script-name> } [ __readonly__ <script_system_details> ]
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
script	Show information about a script policy
system	Show information about a system script policy
all	Show all the available system script policies
<i>script-name</i>	Name of the system script policy
<i>__readonly__</i>	(Optional)
<i>script_system_details</i>	(Optional) Show Information about system script policies

Command Mode

- /exec

show event manager system-policy

```
show event manager system-policy [ all | <policy-name> ] [ __readonly__ { [ TABLE_eem [ <thresh_min> ] [ <thresh_max> ] <event_name> <event_description> <event_overridable> <event_type> } } ]
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
system-policy	Show information about default system policies
all	(Optional) Show all policies (including advanced and non-overridable ones)
<i>policy-name</i>	(Optional) Show detailed information about the specified policy
<i>__readonly__</i>	(Optional)
TABLE_eem	(Optional)
<i>thresh_min</i>	(Optional)
<i>thresh_max</i>	(Optional)
<i>event_name</i>	(Optional)
<i>event_description</i>	(Optional)
<i>event_overridable</i>	(Optional)
<i>event_type</i>	(Optional)

Command Mode

- /exec



F Show Commands

- [show fabric-binding database](#), on page 524
- [show fabric-binding efmd statistics](#), on page 525
- [show fabric-binding fip](#), on page 526
- [show fabric-binding statistics](#), on page 527
- [show fabric-binding status](#), on page 528
- [show fabric-binding violations](#), on page 529
- [show fabric database dci](#), on page 530
- [show fabric database host](#), on page 532
- [show fabric database host statistics](#), on page 536
- [show fabric database host summary](#), on page 539
- [show fabric database profile-map](#), on page 540
- [show fabric database static-host](#), on page 541
- [show fabric database statistics](#), on page 542
- [show fabric forwarding host-db](#), on page 544
- [show fabric forwarding ip local](#), on page 546
- [show fabric forwarding ipv6 local](#), on page 547
- [show fabric multicast globals](#), on page 548
- [show fabric multicast ipv4 l2 vni](#), on page 550
- [show fabric multicast statistics](#), on page 551
- [show fabric multicast vrf](#), on page 553
- [show fabric switch information](#), on page 554
- [show fc2 bind](#), on page 555
- [show fc2 classf](#), on page 556
- [show fc2 exchange](#), on page 558
- [show fc2 exchresp](#), on page 560
- [show fc2 flogi](#), on page 562
- [show fc2 nport](#), on page 563
- [show fc2 plogi](#), on page 565
- [show fc2 plogi_pwwn](#), on page 567
- [show fc2 port brief](#), on page 568
- [show fc2 port drops](#), on page 571
- [show fc2 port state](#), on page 574
- [show fc2 socket](#), on page 576

- [show fc2 sockexch](#), on page 577
- [show fc2 socknotify](#), on page 578
- [show fc2 socknport](#), on page 579
- [show fc2 vsan](#), on page 580
- [show fcalias](#), on page 581
- [show fcdomain](#), on page 582
- [show fcdomain address-allocation](#), on page 583
- [show fcdomain allowed](#), on page 584
- [show fcdomain domain-list](#), on page 585
- [show fcdomain fcid persistent](#), on page 586
- [show fcdomain pending-diff](#), on page 587
- [show fcdomain pending](#), on page 588
- [show fcdomain session-status](#), on page 589
- [show fcdomain statistics](#), on page 590
- [show fcdomain status](#), on page 591
- [show fcdomain vsan](#), on page 592
- [show fcdroplateny](#), on page 593
- [show fcid-allocation area](#), on page 594
- [show fcid-allocation company-id-from-wwn](#), on page 595
- [show fcns database](#), on page 596
- [show fcns statistics](#), on page 598
- [show fcoe-npv issu-impact](#), on page 599
- [show fcoe](#), on page 600
- [show fcoe database](#), on page 601
- [show fcs database](#), on page 602
- [show fcs ie](#), on page 603
- [show fcs platform](#), on page 604
- [show fcs port](#), on page 605
- [show fcs statistics](#), on page 606
- [show fcs vsan](#), on page 607
- [show fctimer](#), on page 608
- [show fctimer D_S_TOV](#), on page 609
- [show fctimer E_D_TOV](#), on page 610
- [show fctimer F_S_TOV](#), on page 611
- [show fctimer R_A_TOV](#), on page 612
- [show fctimer last action status](#), on page 613
- [show fctimer pending-diff](#), on page 614
- [show fctimer pending](#), on page 615
- [show fctimer session status](#), on page 616
- [show fctimer status](#), on page 617
- [show fctimer vsan](#), on page 618
- [show fdmi database](#), on page 619
- [show fdmi database detail](#), on page 620
- [show fdmi database detail hba-id vsan](#), on page 621
- [show fdmi database detail vsan](#), on page 622
- [show fdmi database vsan](#), on page 623

- [show fdmi suppress-updates](#), on page 624
- [show feature-set](#), on page 625
- [show feature-set services](#), on page 626
- [show feature](#), on page 627
- [show fex interface priority-flow-control](#), on page 628
- [show fhrp](#), on page 629
- [show fhrp verbose](#), on page 630
- [show file](#), on page 632
- [show fips status](#), on page 633
- [show flogi auto-area-list](#), on page 634
- [show flogi database](#), on page 635
- [show flow cache](#), on page 636
- [show flow cache](#), on page 638
- [show flow event](#), on page 640
- [show flow exporter](#), on page 642
- [show flow filter](#), on page 644
- [show flow interface](#), on page 645
- [show flow monitor](#), on page 646
- [show flow profile](#), on page 647
- [show flow record](#), on page 649
- [show flow rtp](#), on page 652
- [show flow rtp timeout](#), on page 654
- [show flow system](#), on page 655
- [show flow timeout](#), on page 657
- [show flow tracer](#), on page 658
- [show flow vrf](#), on page 659
- [show forwarding](#), on page 660
- [show forwarding adjacency](#), on page 661
- [show forwarding consistency-fretta l2](#), on page 664
- [show forwarding distribution clients](#), on page 665
- [show forwarding distribution evpn storm-control](#), on page 666
- [show forwarding distribution fib-state](#), on page 667
- [show forwarding distribution ip igmp snooping](#), on page 668
- [show forwarding distribution ipv6 multicast route](#), on page 669
- [show forwarding distribution l2 multicast](#), on page 671
- [show forwarding distribution lisp counters](#), on page 674
- [show forwarding distribution lisp vrf enabled](#), on page 675
- [show forwarding distribution multicast](#), on page 676
- [show forwarding distribution multicast client-ack-db](#), on page 677
- [show forwarding distribution multicast client](#), on page 678
- [show forwarding distribution multicast download](#), on page 679
- [show forwarding distribution multicast mfib](#), on page 680
- [show forwarding distribution multicast outgoing-interface-list L2_PRIME](#), on page 681
- [show forwarding distribution multicast resp-ack-timer-msgs](#), on page 682
- [show forwarding distribution multicast route](#), on page 683
- [show forwarding distribution multicast route sr um-nat](#), on page 686

- [show forwarding distribution multicast sr hash-db](#), on page 687
- [show forwarding distribution multicast vxlan dsg-db](#), on page 688
- [show forwarding distribution multicast vxlan vlan-db](#), on page 689
- [show forwarding distribution nve overlay-vlan](#), on page 690
- [show forwarding distribution peer-id](#), on page 691
- [show forwarding distribution srv6 local-sid bd-mapping](#), on page 692
- [show forwarding distribution trace](#), on page 693
- [show forwarding ecmp](#), on page 694
- [show forwarding ecmp recursive](#), on page 696
- [show forwarding inconsistency](#), on page 701
- [show forwarding interfaces](#), on page 703
- [show forwarding ipv6](#), on page 704
- [show forwarding ipv6 adjacency](#), on page 707
- [show forwarding ipv6 inconsistency](#), on page 709
- [show forwarding ipv6 multicast route](#), on page 711
- [show forwarding kvfib cache on](#), on page 714
- [show forwarding l2 multicast](#), on page 715
- [show forwarding l2vpn label vpls](#), on page 717
- [show forwarding l2vpn label xconnect](#), on page 718
- [show forwarding l2vpn vlan](#), on page 719
- [show forwarding mpls](#), on page 720
- [show forwarding mpls drop-stats](#), on page 722
- [show forwarding mpls ecmp](#), on page 723
- [show forwarding mpls eompls](#), on page 725
- [show forwarding mpls eompls ir](#), on page 726
- [show forwarding mpls option_b](#), on page 728
- [show forwarding mpls srte module](#), on page 729
- [show forwarding mpls summary](#), on page 730
- [show forwarding multicast-sr loopback interface](#), on page 731
- [show forwarding multicast-sr mac-trap-db](#), on page 732
- [show forwarding multicast outgoing-interface-list](#), on page 733
- [show forwarding multicast pvlan replicated-routes](#), on page 735
- [show forwarding multicast route](#), on page 736
- [show forwarding nve l2 ingress-replication-peers](#), on page 739
- [show forwarding nve l3 adjacency tunnel](#), on page 742
- [show forwarding nve l3 adjacency v6-tunnel](#), on page 744
- [show forwarding nve l3 ecmp](#), on page 746
- [show forwarding nve l3 peers](#), on page 747
- [show forwarding nve underlay-interfaces](#), on page 748
- [show forwarding otv](#), on page 749
- [show forwarding otv ipv6 multicast route](#), on page 750
- [show forwarding otv multicast outgoing-interface-list](#), on page 753
- [show forwarding otv multicast route](#), on page 754
- [show forwarding otv vlan](#), on page 755
- [show forwarding proactive-cc inconsistencies](#), on page 756
- [show forwarding security group-tag](#), on page 758

- [show forwarding security mac, on page 760](#)
- [show forwarding srv6 adjacency decap, on page 762](#)
- [show forwarding srv6 adjacency encap, on page 763](#)
- [show forwarding srv6 bsid-peer, on page 764](#)
- [show forwarding srv6 bsid, on page 765](#)
- [show forwarding srv6 ecmp, on page 766](#)
- [show forwarding srv6 local-sid, on page 767](#)
- [show forwarding srv6 peers, on page 768](#)
- [show forwarding trace, on page 769](#)
- [show forwarding trace profile, on page 770](#)
- [show forwarding trace profile funestats, on page 771](#)
- [show frequency synchronization clock-interface brief, on page 772](#)
- [show frequency synchronization clock-interface detail, on page 774](#)
- [show frequency synchronization configuration errors, on page 777](#)
- [show frequency synchronization interface, on page 779](#)
- [show frequency synchronization interface brief, on page 782](#)
- [show frequency synchronization selection, on page 784](#)
- [show fspf, on page 786](#)
- [show fspf database, on page 787](#)
- [show fspf interface, on page 788](#)
- [show fspf vsan, on page 789](#)
- [show fspf vsan interface, on page 790](#)
- [show fte event, on page 791](#)
- [show fte exporter, on page 792](#)
- [show fte monitor, on page 793](#)
- [show fte record, on page 794](#)

show fabric-binding database

show fabric-binding database [{ active [vsan <i0>] | vsan1 <i1> }]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
database	Show Fabric Binding Configured database
active	(Optional) Activated Fabric Bindings
vsan	(Optional) VSAN id
<i>i0</i>	(Optional) VSAN range
vsan1	(Optional) VSAN id
<i>i1</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding efmd statistics

show fabric-binding efmd statistics [vsan <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
efmd	Exchange Fabric Membership Data
statistics	EFMD protocol statistics
vsan	(Optional) VSAN id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding fip

show fabric-binding fip

Syntax Description

show	Show running system information
fabric-binding	Fabric Binding configuration
fip	Display the enabled FIP

Command Mode

- /exec

show fabric-binding statistics

show fabric-binding statistics [vsan <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
statistics	Statistics of Fabric Binding
vsan	(Optional) VSAN Id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding status

show fabric-binding status [vsan <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
status	Fabric binding Status
vsan	(Optional) VSAN Id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding violations

show fabric-binding violations [last <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
violations	Violations of Fabric Binding policies
last	(Optional) Latest n violations
<i>i0</i>	(Optional) Violation number

Command Mode

- /exec

show fabric database dci

```
show fabric database dci [ { vrf { <vrf-name> | <vrf-known-name> } [ peer-id <peer-ip-address> ] [ detail ]
} ] [ __readonly__ [ TABLE_database_dci <vrf_name> <state> <flags> <profile> <instance> ] [
TABLE_database_dci_detail <packet_arrival_time> <sent_to_database_manager_at>
<received_parameters_from_database_manager_at> <sent_apply_to_configuration_manager_at>
<completed_executing_all_commands_at> <sent_un_apply_to_configuration_manager_at>
<completed_unapplying_all_commands_at> ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
dci	DCI Profile Database
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
peer-id	(Optional) management ip address of peer
<i>peer-ip-address</i>	(Optional) IP address in CIDR format
detail	(Optional) Show detailed information
__readonly__	(Optional) Read Only
TABLE_database_dci	(Optional) table show fabric database dci
<i>vrf_name</i>	(Optional)
<i>state</i>	(Optional)
<i>flags</i>	(Optional)
<i>profile</i>	(Optional)
<i>instance</i>	(Optional)
TABLE_database_dci_detail	(Optional) detail for table show fabric database dci
<i>packet_arrival_time</i>	(Optional) Profile request time
<i>sent_to_database_manager_at</i>	(Optional) Profile request sent to DCNM
<i>received_parameters_from_database_manager_at</i>	(Optional) Profile downloaded from DCNM
<i>sent_apply_to_configuration_manager_at</i>	(Optional) Profile sent to PPM to apply

<i>completed_executing_all_commands_at</i>	(Optional) Profile applied by PPM
<i>sent_un_apply_to_configuration_manager_at</i>	(Optional) Profile un-apply sent to PPM
<i>completed_unapplying_all_commands_at</i>	(Optional) Profile un-applied by PPM

Command Mode

- /exec

show fabric database host

```
show fabric database host [ detail ] [ { vni <vni-id> } | { dot1q <vlan-id> } ] [ __readonly__ [
TABLE_database_host [ <trigger_source> ] [ <client_type> ] [ <got_trigger_at> ] [ <number_of_client_hosts>
] [ <number_of_associated_interfaces> ] [ <profile_be_un_applied_in_seconds> ] [
<new_vdp_requests_be_accepted_in_seconds> ] [ <recovered_profile_be_checked_for_validity_in_seconds>
] [ <mac_aging_checked_in_seconds> ] [ <sent_to_database_manager_at> ] [
<received_parameters_from_database_manager_at> ] [ <displaying_parameters_for_profile> ] [
<displaying_parameters_for_instance> ] [ <no_parameters_for_the_profile> ] [
<displaying_re_written_parameters_for_vpc_role> ] [ TABLE_parameter [ <parameter_index> ] [ <parameter>
] ] [ TABLE_static_profile <profile> <instance> <no_parameters_for_the_profile> ] [ TABLE_migrated_profile
<profile> <instance_index> <previous_profile> <previous_instance_index> ] [ TABLE_rollback_profile
<profile> <instance_index> ] [ <got_vlan_allocated_from_vlan_manager_at> ] [
<sent_apply_to_configuration_manager_at> ] [ <completed_executing_all_commands_at> ] [
<sent_to_vpc_peer_at> ] [ <completed_executing_all_commands_on_vpc_peer_at> ] [
<sent_un_apply_to_configuration_manager_at> ] [ <completed_unapplying_all_commands_at> ] ] [
TABLE_database_host_vni { [ <vni_id> ] [ <vlan_id> ] [ <state> <flag> <profile_name> <instance_name>
] [ <packet_arrival_time> <request_profile_time> <got_profile_time> <sent_to_PPM_time>
<profile_apply_time> <del_to_PPM_time> ] [ { TABLE_database_host_detail <interface> <encap> <flags>
<state> [ <vsi_id> ] [ <client> ] [ <host> ] } ] ] ] [ TABLE_database_host_vlan { [ <vlan_id> ] [ <vni_id> ]
[ <state> <flag> <profile_name> <instance_name> ] [ <packet_arrival_time> <request_profile_time>
<got_profile_time> <sent_to_PPM_time> <profile_apply_time> <del_to_PPM_time> ] [ {
TABLE_database_host_detail <interface> <encap> <flags> <state> [ <vsi_id> ] } ] ] ] [
TABLE_extranet_vrf_entries { <vrf> <l3_vni> <state> <profile> <instance> } ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Host to profile mapping
detail	(Optional) Show hosts and interfaces
vni	(Optional) Virtual Network Identifier
<i>vni-id</i>	(Optional)
dot1q	(Optional) Dot1Q Encapsulation
<i>vlan-id</i>	(Optional)
<i>__readonly__</i>	(Optional) Read Only
TABLE_database_host	(Optional) table show fabric database host {dot1q vni}
<i>trigger_source</i>	(Optional) TODO
<i>client_type</i>	(Optional) TODO

<i>got_trigger_at</i>	(Optional) TODO
<i>number_of_client_hosts</i>	(Optional) TODO
<i>number_of_associated_interfaces</i>	(Optional) TODO
<i>profile_be_un_applied_in_seconds</i>	(Optional) TODO
<i>new_vdp_requests_be_accepted_in_seconds</i>	(Optional) TODO
<i>recovered_profile_be_checked_for_validity_in_seconds</i>	(Optional) TODO
<i>mac_aging_checked_in_seconds</i>	(Optional) TODO
<i>sent_to_database_manager_at</i>	(Optional) TODO
<i>received_parameters_from_database_manager_at</i>	(Optional) TODO
<i>displaying_parameters_for_profile</i>	(Optional) TODO
<i>displaying_parameters_for_instance</i>	(Optional) TODO
<i>no_parameters_for_the_profile</i>	(Optional) TODO
<i>displaying_re-written_parameters_for_vpc_role</i>	(Optional) TODO
TABLE_parameter	(Optional) table show the parameters
<i>parameter_index</i>	(Optional) TODO
<i>parameter</i>	(Optional) TODO
TABLE_static_profile	(Optional) show static profile
<i>profile</i>	(Optional) TODO
<i>instance</i>	(Optional) TODO
<i>no_parameters_for_the_profile</i>	(Optional) TODO
TABLE_migrated_profile	(Optional) show migrated profile
<i>profile</i>	(Optional) TODO
<i>instance_index</i>	(Optional) TODO
<i>previous_profile</i>	(Optional) TODO
<i>previous_instance_index</i>	(Optional) TODO
TABLE_rollback_profile	(Optional) show rollback profile
<i>profile</i>	(Optional) TODO
<i>instance_index</i>	(Optional) TODO
<i>got_vlan_allocated_from_vlan_manager_at</i>	(Optional) TODO

show fabric database host

<i>sent_apply_to_configuration_manager_at</i>	(Optional) TODO
<i>completed_executing_all_commands_at</i>	(Optional) TODO
<i>sent_to_vpc_peer_at</i>	(Optional) TODO
<i>completed_executing_all_commands_on_vpc_peer_at</i>	(Optional) TODO
<i>sent_un_apply_to_configuration_manager_at</i>	(Optional) TODO
<i>completed_unapplying_all_commands_at</i>	(Optional) TODO
TABLE_database_host_vni	(Optional) table show fabric database host vni based
<i>vni_id</i>	(Optional) TODO Add comment
<i>vlan_id</i>	(Optional) TODO Add comment
<i>state</i>	(Optional) TODO Add comment
<i>flag</i>	(Optional) TODO
<i>profile_name</i>	(Optional) TODO
<i>instance_name</i>	(Optional) TODO
<i>packet_arrival_time</i>	(Optional) TODO
<i>request_profile_time</i>	(Optional) TODO
<i>got_profile_time</i>	(Optional) TODO
<i>sent_to_PPM_time</i>	(Optional) TODO
<i>profile_apply_time</i>	(Optional) TODO
<i>del_to_PPM_time</i>	(Optional) TODO
TABLE_database_host_detail	(Optional) table show fabric database host detail
<i>interface</i>	(Optional) TODO
<i>encap</i>	(Optional) TODO
<i>flags</i>	(Optional) TODO
<i>state</i>	(Optional) TODO
<i>vsi_id</i>	(Optional) TODO
<i>client</i>	(Optional) TODO
<i>host</i>	(Optional) TODO
TABLE_database_host_vlan	(Optional) table show fabric database host vlan based
<i>vlan_id</i>	(Optional) TODO Add comment

<i>vni_id</i>	(Optional) TODO Add comment
<i>state</i>	(Optional) TODO Add comment
<i>flag</i>	(Optional) TODO
<i>profile_name</i>	(Optional) TODO
<i>instance_name</i>	(Optional) TODO
<i>packet_arrival_time</i>	(Optional) TODO
<i>request_profile_time</i>	(Optional) TODO
<i>got_profile_time</i>	(Optional) TODO
<i>sent_to_PPM_time</i>	(Optional) TODO
<i>profile_apply_time</i>	(Optional) TODO
<i>del_to_PPM_time</i>	(Optional) TODO
TABLE_database_host_detail	(Optional) table show fabric database host detail
<i>interface</i>	(Optional) TODO
<i>encap</i>	(Optional) TODO
<i>flags</i>	(Optional) TODO
<i>state</i>	(Optional) TODO
<i>vsi_id</i>	(Optional) TODO
TABLE_extranet_vrf_entries	(Optional) table extranet VRF entries
<i>vrf</i>	(Optional) TODO
<i>l3_vni</i>	(Optional) TODO
<i>state</i>	(Optional) TODO
<i>profile</i>	(Optional) TODO
<i>instance</i>	(Optional) TODO

Command Mode

- /exec

show fabric database host statistics

```

show fabric database host statistics [ __readonly__ [ TABLE_database_host_statistics { [ <data_snoop_triggers>
] [ <data_snoop_deletes> ] [ <data_snoop_responses> ] [ <vdp_association_requests> ] [
<vdp_deassociation_requests> ] [ <vdp_association_responses> ] [ <vdp_error_responses> ] [
<unsupported_interfaces> ] [ <no_profile_map_errors> ] [ <outstanding_delete_retry_add> ] [
<duplicate_add_existing_host> ] [ <hmm_api_error_cannot_add_host> ] [ <existing_profile_new_host> ] [
<profile_apply_from_vpc_peer> ] [ <profile_un_apply_from_vpc_peer> ] [ <host_apply_from_vpc_peer> ] [
<host_un_apply_from_vpc_peer> ] [ <early_delete_cancel_add> ] [ <dhcp_requests> ] [ <dhcp_responses>
] [ <dhcp_error_responses> ] [ <adbm_requests> ] [ <adbm_responses> ] [ <adbm_error_responses> ] [
<adbm_error_requests> ] [ <adbm_db_notifications> ] [ <vnseg_no_bridge_domain> ] [
<vnseg_encap_responses> ] [ <vnseg_vni_responses> ] [ <vnseg_unknown_responses> ] [
<vnseg_bd_down_notif> ] [ <bd_mgr_requests> ] [ <bd_mgr_success_responses> ] [
<bd_mgr_failure_responses> ] [ <bd_mgr_unreserve> ] [ <bd_mgr_inconsistencies> ] [ <no_mac_on_bd_notif>
] [ <refresh_failures> ] [ <profile_apply_received> ] [ <profile_vpc_queued> ] [ <profile_local_apply_queued>
] [ <profile_local_unapply_queued> ] [ <profile_apply_sent> ] [ <profile_apply_responses> ] [
<profile_apply_success> ] [ <profile_unapply_success> ] [ <profile_apply_failure> ] [ <profile_commands>
] [ <profile_error_incomplete_configs> ] [ <profile_api_error> ] [ <profile_unapply_sent> ] [
<profile_top_queue_adds> ] [ <profile_high_queue_adds> ] [ <profile_low_queue_adds> ] [
<profile_unapply_failure> ] [ <outstanding_vlan_requests> ] [ <outstanding_adbm_requests> ] [
<outstanding_profile_applies> ] [ <outstanding_vpc_profile_applies> ] [ <node_recon_pending> ] [
<node_recon_attempts> ] [ <node_recon_failures> } ] ] ] ]

```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
statistics	Statistics - Mostly shows non-zero values
__readonly__	(Optional) Read Only
TABLE_database_host_statistics	(Optional) table show fabric database host statistics
<i>data_snoop_triggers</i>	(Optional) TODO
<i>data_snoop_deletes</i>	(Optional) TODO
<i>data_snoop_responses</i>	(Optional) TODO
<i>vdp_association_requests</i>	(Optional) TODO
<i>vdp_deassociation_requests</i>	(Optional) TODO
<i>vdp_association_responses</i>	(Optional) TODO
<i>vdp_error_responses</i>	(Optional) TODO

<i>unsupported_interfaces</i>	(Optional) TODO
<i>no_profile_map_errors</i>	(Optional) TODO
<i>outstanding_delete_retry_add</i>	(Optional) TODO
<i>duplicate_add_existing_host</i>	(Optional) TODO
<i>hmm_api_error_cannot_add_host</i>	(Optional) TODO
<i>existing_profile_new_host</i>	(Optional) TODO
<i>profile_apply_from_vpc_peer</i>	(Optional) TODO
<i>profile_un_apply_from_vpc_peer</i>	(Optional) TODO
<i>host_apply_from_vpc_peer</i>	(Optional) TODO
<i>host_un_apply_from_vpc_peer</i>	(Optional) TODO
<i>early_delete_cancel_add</i>	(Optional) TODO
<i>dhcp_requests</i>	(Optional) TODO
<i>dhcp_responses</i>	(Optional) TODO
<i>dhcp_error_responses</i>	(Optional) TODO
<i>adbm_requests</i>	(Optional) TODO
<i>adbm_responses</i>	(Optional) TODO
<i>adbm_error_responses</i>	(Optional) TODO
<i>adbm_error_requests</i>	(Optional) TODO
<i>adbm_db_notifications</i>	(Optional) TODO
<i>vnseg_no_bridge_domain</i>	(Optional) TODO
<i>vnseg_encap_responses</i>	(Optional) TODO
<i>vnseg_vni_responses</i>	(Optional) TODO
<i>vnseg_unknown_responses</i>	(Optional) TODO
<i>vnseg_bd_down_notif</i>	(Optional) TODO
<i>bd_mgr_requests</i>	(Optional) TODO
<i>bd_mgr_success_responses</i>	(Optional) TODO
<i>bd_mgr_failure_responses</i>	(Optional) TODO
<i>bd_mgr_unreserve</i>	(Optional) TODO
<i>bd_mgr_inconsistencies</i>	(Optional) TODO

<i>no_mac_on_bd_notif</i>	(Optional) TODO
<i>refresh_failures</i>	(Optional) TODO
<i>profile_apply_received</i>	(Optional) TODO
<i>profile_vpc_queued</i>	(Optional) TODO
<i>profile_local_apply_queued</i>	(Optional) TODO
<i>profile_local_unapply_queued</i>	(Optional) TODO
<i>profile_apply_sent</i>	(Optional) TODO
<i>profile_apply_responses</i>	(Optional) TODO
<i>profile_apply_success</i>	(Optional) TODO
<i>profile_unapply_success</i>	(Optional) TODO
<i>profile_apply_failure</i>	(Optional) TODO
<i>profile_commands</i>	(Optional) TODO
<i>profile_error_incomplete_configs</i>	(Optional) TODO
<i>profile_api_error</i>	(Optional) TODO
<i>profile_unapply_sent</i>	(Optional) TODO
<i>profile_top_queue_adds</i>	(Optional) TODO
<i>profile_high_queue_adds</i>	(Optional) TODO
<i>profile_low_queue_adds</i>	(Optional) TODO
<i>profile_unapply_failure</i>	(Optional) TODO
<i>outstanding_vlan_requests</i>	(Optional) TODO
<i>outstanding_adbm_requests</i>	(Optional) TODO
<i>outstanding_profile_applies</i>	(Optional) TODO
<i>outstanding_vpc_profile_applies</i>	(Optional) TODO
<i>node_recon_pending</i>	(Optional) TODO
<i>node_recon_attempts</i>	(Optional) TODO
<i>node_recon_failures</i>	(Optional) TODO

Command Mode

- /exec

show fabric database host summary

```
show fabric database host summary [ __readonly__ [ TABLE_database_host_summary {
<number_of_instances_applied> <number_of_client_hosts> <recovery_timeout_minute>
<cleanup_timeout_minute> <client_add_suppression_timeout_minute> <mac_aging_timeout_minute>
<autoid_support> } ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
summary	Summary
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_database_host_summary</i>	(Optional) table show fabric database host summary
<i>number_of_instances_applied</i>	(Optional) TODO
<i>number_of_client_hosts</i>	(Optional) TODO
<i>recovery_timeout_minute</i>	(Optional) TODO
<i>cleanup_timeout_minute</i>	(Optional) TODO
<i>client_add_suppression_timeout_minute</i>	(Optional) TODO
<i>mac_aging_timeout_minute</i>	(Optional) TODO
<i>autoid_support</i>	(Optional) List of supported auto-generate ids

Command Mode

- /exec

show fabric database profile-map

```
show fabric database profile-map { global | [ <id> | interface <interface-id> ] } [ __readonly__ [
TABLE_database_profile_map { <map> <proto> <vni> <dot1q> <flags> <profile_name> } ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
profile-map	Profile Map
global	Global profile (apply to all interfaces)
<i>id</i>	(Optional) Profile Map ID
interface	(Optional) Specified interface to display
<i>interface-id</i>	(Optional) Name of interface
<i>__readonly__</i>	(Optional) Read Only
TABLE_database_profile_map	(Optional) table show fabric database profile-map
<i>map</i>	(Optional) TODO
<i>proto</i>	(Optional) TODO
<i>vni</i>	(Optional) TODO
<i>dot1q</i>	(Optional) TODO
<i>flags</i>	(Optional) TODO
<i>profile_name</i>	(Optional) TODO

Command Mode

- /exec

show fabric database static-host

```
show fabric database static-host [ __readonly__ { TABLE_database_static_host <host_key> <interface>
<state> <retry_delay> <retry_attempts> } ]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
static-host	Configured Static Hosts
__readonly__	(Optional) Read Only
TABLE_database_static_host	(Optional) table show fabric database static-host
<i>host_key</i>	(Optional) static-host key
<i>interface</i>	(Optional) interface name
<i>state</i>	(Optional) static-host state
<i>retry_delay</i>	(Optional) seconds until next retry
<i>retry_attempts</i>	(Optional) cumulative retry attempts

Command Mode

- /exec

show fabric database statistics

```
show fabric database statistics [ type { network | profile | cabling | partition | bl-dci | host } ] [ __readonly__
{ TABLE_types <dbtype> <requests> <dispatched> <not_dispatched> <re_dispatched> } [ { TABLE_dbs
<is_active> <type> <prot> <serverdb> [ <reqs> <ok> <nores> <err> <tmout> <pend> ] } ] { LastPollTime
<poll_time> } { LastUpdateTime <update_time> } [ { TABLE_updates <update_type> <update_status> } ]
]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Show Fabric Database
statistics	Show database statistics
type	(Optional) Enter database type
network	(Optional) Network Database
profile	(Optional) Port or Switch Profile Database
cabling	(Optional) Cable Management Database
partition	(Optional) Partition Database
bl-dci	(Optional) Border Leaf - DCI
host	(Optional) Host
__readonly__	(Optional)
TABLE_types	(Optional) totals by type
<i>dbtype</i>	(Optional) type of database
<i>requests</i>	(Optional) number of requests
<i>dispatched</i>	(Optional) number dispatched
<i>not_dispatched</i>	(Optional) number not dispatched
<i>re_dispatched</i>	(Optional) number re-dispatched
TABLE_dbs	(Optional) per-database stats
<i>is_active</i>	(Optional) active/inactive
<i>type</i>	(Optional) database type
<i>prot</i>	(Optional) database protocol
<i>serverdb</i>	(Optional) server database

<i>reqs</i>	(Optional) requests
<i>ok</i>	(Optional) OK
<i>nores</i>	(Optional) nores
<i>err</i>	(Optional) err
<i>tmout</i>	(Optional) tmout
<i>pend</i>	(Optional) pend
LastPollTime	(Optional) last poll time
<i>poll_time</i>	(Optional) poll time
LastUpdateTime	(Optional) last update time for db status change
<i>update_time</i>	(Optional) update time
TABLE_updates	(Optional) totals ty type
<i>update_type</i>	(Optional) db type
<i>update_status</i>	(Optional) db status

Command Mode

- /exec

show fabric forwarding host-db

```
show fabric forwarding host-db [ { vrf { <vrf-name> | <vrf-known-name> | all } } ] [ __readonly__ [
TABLE_forwarding_host_db_vrf { <vrf> <vrf_id> <vrf_state> <vrf_reason> <vni_id> <refcount>
<conversational_learning> [ TABLE_limit_type <limit_type> <enable> <threshold> <action> ] [ TABLE_ipv4
<address_family> <vrf> <table_id> <table_state> <refcount> <local_hosts> <remote_hosts> <aggregates>
[ TABLE_aggregate_list <aggregate_subnet_prefix_list> <aggregate_subnet_prefix_state> ] ] [ TABLE_ipv6
<address_family> <vrf> <table_id> <table_state> <refcount> <local_hosts> <remote_hosts> <aggregates>
[ TABLE_aggregate_list <aggregate_subnet_prefix_list> <aggregate_subnet_prefix_state> ] ] } ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
host-db	Host Database info
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
__readonly__	(Optional) Read Only
TABLE_forwarding_host_db_vrf	(Optional) table show fabric forwarding host-db vrf
<i>vrf</i>	(Optional) TODO
<i>vrf_id</i>	(Optional) TODO
<i>vrf_state</i>	(Optional) TODO
<i>vrf_reason</i>	(Optional) TODO
<i>vni_id</i>	(Optional) TODO
<i>refcount</i>	(Optional) TODO
<i>conversational_learning</i>	(Optional) TODO
TABLE_limit_type	(Optional) table for limit type
<i>limit_type</i>	(Optional) TODO
<i>enable</i>	(Optional) TODO
<i>threshold</i>	(Optional) TODO
<i>action</i>	(Optional) TODO

TABLE_ipv4	(Optional) Information for address family IPv4
<i>address_family</i>	(Optional) TODO
<i>vrf</i>	(Optional) TODO
<i>table_id</i>	(Optional) TODO
<i>table_state</i>	(Optional) TODO
<i>refcount</i>	(Optional) TODO
<i>local_hosts</i>	(Optional) TODO
<i>remote_hosts</i>	(Optional) TODO
<i>aggregates</i>	(Optional) TODO
TABLE_aggregate_list	(Optional) table for aggregate subnet prefix list
<i>aggregate_subnet_prefix_list</i>	(Optional) TODO
TABLE_ipv6	(Optional) Information for address family IPv6
<i>address_family</i>	(Optional) TODO
<i>vrf</i>	(Optional) TODO
<i>table_id</i>	(Optional) TODO
<i>table_state</i>	(Optional) TODO
<i>refcount</i>	(Optional) TODO
<i>local_hosts</i>	(Optional) TODO
<i>remote_hosts</i>	(Optional) TODO
<i>aggregates</i>	(Optional) TODO
TABLE_aggregate_list	(Optional) table for aggregate subnet prefix list
<i>aggregate_subnet_prefix_list</i>	(Optional) TODO
<i>aggregate_subnet_prefix_state</i>	(Optional) TODO

Command Mode

- /exec

show fabric forwarding ip local

```
show fabric forwarding ip { local-host-db [ { vrf { <vrf-name> | <vrf-known-name> | all } } ] [ <ip-prefix>
] } [ __readonly__ [ TABLE_forwarding_ip_local_host_db_vrf { <hmm_host> <vrf> <status_in> {
TABLE_hosts <host> <mac_address> <svi> <flags_0x> <physical_interface> <status> } } ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ip	Display IP information
local-host-db	HMM Local Host Database
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>ip-prefix</i>	(Optional) IP prefix in CIDR format
<i>__readonly__</i>	(Optional) Read Only
TABLE_forwarding_ip_local_host_db_vrf	(Optional) table show fabric forwarding ip local-host-db vrf
<i>hmm_host</i>	(Optional) TODO
<i>vrf</i>	(Optional) TODO
<i>status_in</i>	(Optional) TODO
TABLE_hosts	(Optional) table show information for each hosts
<i>host</i>	(Optional) TODO
<i>mac_address</i>	(Optional) TODO
<i>svi</i>	(Optional) TODO
<i>flags_0x</i>	(Optional) TODO
<i>physical_interface</i>	(Optional) TODO
<i>status</i>	(Optional) *-valid, x-deleted, a-aged out, c-cleaned

Command Mode

- /exec

show fabric forwarding ipv6 local

```
show fabric forwarding ipv6 { local-host-db [ { vrf { <vrf-name> | <vrf-known-name> | all } } ] [ <ipv6-prefix>
] } [ __readonly__ [ TABLE_forwarding_ipv6_local_host_db_vrf { <hmm_host> <vrf> <status_in> {
TABLE_hosts <host> <mac_address> <svi> <flags_0x> <physical_interface> <status> } } ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ipv6	Display IPv6 information
local-host-db	HMM Local Host Database
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
__readonly__	(Optional) Read Only
TABLE_forwarding_ipv6_local_host_db_vrf	(Optional) table show fabric forwarding ipv6 local-host-db vrf
<i>hmm_host</i>	(Optional) TODO
<i>vrf</i>	(Optional) TODO
<i>status_in</i>	(Optional) TODO
TABLE_hosts	(Optional) table show information for each hosts
<i>host</i>	(Optional) TODO
<i>mac_address</i>	(Optional) TODO
<i>svi</i>	(Optional) TODO
<i>flags_0x</i>	(Optional) TODO
<i>physical_interface</i>	(Optional) TODO
<i>status</i>	(Optional) *-valid, x-deleted, a-aged out, c-cleaned

Command Mode

- /exec

show fabric multicast globals

```
show fabric multicast globals [ __readonly__ [ <pruning> ] [ <switch_role> ] [ <fabric_control_seg> ] [
<peer_fabric_ctrl_addr> ] [ <advertise_vpc_rpf_routes> ] [ <created_vni_list> ] [ <fwd_encap> ] [
<mrrib_sync_delay> ] [ <bgp_eor_rcvd> ] [ <bgp_eor_rcvd_ts> ] [ <cli_done_rcvd> ] [ <cli_done_rcvd_ts>
] [ <local_nlri_req> ] [ <dist_dr> ] [ <dist_pending> ] [ <spt_only> ] [ <pim_trm_bl> ] [ <pim6_trm_bl> ] [
<l2_trm_evpn> ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
globals	show the global settings
<i>__readonly__</i>	(Optional)
<i>pruning</i>	(Optional)
<i>switch_role</i>	(Optional)
<i>fabric_control_seg</i>	(Optional)
<i>peer_fabric_ctrl_addr</i>	(Optional)
<i>advertise_vpc_rpf_routes</i>	(Optional)
<i>created_vni_list</i>	(Optional)
<i>fwd_encap</i>	(Optional)
<i>mrrib_sync_delay</i>	(Optional)
<i>bgp_eor_rcvd</i>	(Optional)
<i>bgp_eor_rcvd_ts</i>	(Optional)
<i>cli_done_rcvd</i>	(Optional)
<i>cli_done_rcvd_ts</i>	(Optional)
<i>local_nlri_req</i>	(Optional)
<i>dist_dr</i>	(Optional)
<i>dist_pending</i>	(Optional)
<i>spt_only</i>	(Optional)
<i>pim_trm_bl</i>	(Optional)
<i>pim6_trm_bl</i>	(Optional)

<i>l2_trm_evpn</i>	(Optional)
--------------------	------------

Command Mode

- /exec

show fabric multicast ipv4 l2 vni

```
show fabric multicast { ipv4 | ipv6 } { l2-mroute } vni { <vni-id> | all } [ __readonly__ TABLE_vni <vni-id>
[ TABLE_mroute <mroute_desc> [ TABLE_fabric <fabric_node_addr> ] ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
ipv4	Display IP information
ipv6	Display IPv6 information
l2-mroute	display l2-mroute status
vni	Virtual Network Identifier
<i>vni-id</i>	VNI number
all	Display all L2 VNI NGMVPN is aware of
<i>__readonly__</i>	(Optional)
<i>TABLE_vni</i>	(Optional)
<i>vni-id</i>	(Optional)
<i>TABLE_mroute</i>	(Optional)
<i>mroute_desc</i>	(Optional)
<i>TABLE_fabric</i>	(Optional)
<i>fabric_node_addr</i>	(Optional)

Command Mode

- /exec

show fabric multicast statistics

```
show fabric multicast statistics [ __readonly__ [ <remote_nlri_msgs_rx> ] [ <remote_nlri_msgs_rx_fail> ] [
<local_nlri_msgs_tx> ] [ <local_nlri_msgs_tx_fail> ] [ <import_rt_msgs_tx> ] [ <import_rt_msgs_tx_fail>
] [ <m2rib_msgs_tx> ] [ <m2rib_msgs_tx_fail> ] [ <mrrib_msgs_tx> ] [ <mrrib_msgs_tx_fail> ] [
<m6rib_msgs_tx> ] [ <m6rib_msgs_tx_fail> ] [ <pim_msgs_tx> ] [ <pim_msgs_tx_fail> ] [ <pim_msgs_rx> ]
] [ <pim_all_remote_ssm_rp_req_rx> ] [ <pim6_msgs_tx> ] [ <pim6_msgs_tx_fail> ] [ <pim6_msgs_rx> ]
] [ <pim6_all_remote_ssm_rp_req_rx> ] [ <remote_nlri_ack_tx> ] [ <remote_nlri_ack_tx_fail> ] [
<all_local_nlri_req_rx> ] [ <local_nlri_ack_rx> ] [ <remote_route_req_tx> ] [ <remote_route_req_tx_fail>
] [ <pim6_all_local_ssm_rp_req_tx> ] [ <pim6_all_local_ssm_rp_req_tx_fail> ] [ <igmp_local_route_rx> ]
] [ <igmp_local_route_ack_rx> ] [ <igmp_msgs_tx> ] [ <igmp_msgs_tx_fail> ] [ <igmp_l2_vni_up_down_rx>
] [ <mts_q_high_warning_rx> ] [ <mts_q_full_warning_rx> ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
statistics	Show statistics
<i>__readonly__</i>	(Optional)
<i>remote_nlri_msgs_rx</i>	(Optional)
<i>remote_nlri_msgs_rx_fail</i>	(Optional)
<i>local_nlri_msgs_tx</i>	(Optional)
<i>local_nlri_msgs_tx_fail</i>	(Optional)
<i>import_rt_msgs_tx</i>	(Optional)
<i>import_rt_msgs_tx_fail</i>	(Optional)
<i>m2rib_msgs_tx</i>	(Optional)
<i>m2rib_msgs_tx_fail</i>	(Optional)
<i>mrrib_msgs_tx</i>	(Optional)
<i>mrrib_msgs_tx_fail</i>	(Optional)
<i>m6rib_msgs_tx</i>	(Optional)
<i>m6rib_msgs_tx_fail</i>	(Optional)
<i>pim_msgs_tx</i>	(Optional)
<i>pim_msgs_tx_fail</i>	(Optional)
<i>pim_msgs_rx</i>	(Optional)

<i>pim_all_remote_ssm_rp_req_rx</i>	(Optional)
<i>pim6_msgs_tx</i>	(Optional)
<i>pim6_msgs_tx_fail</i>	(Optional)
<i>pim6_msgs_rx</i>	(Optional)
<i>pim6_all_remote_ssm_rp_req_rx</i>	(Optional)
<i>remote_nlri_ack_tx</i>	(Optional)
<i>remote_nlri_ack_tx_fail</i>	(Optional)
<i>all_local_nlri_req_rx</i>	(Optional)
<i>local_nlri_ack_rx</i>	(Optional)
<i>remote_route_req_tx</i>	(Optional)
<i>remote_route_req_tx_fail</i>	(Optional)
<i>pim6_all_local_ssm_rp_req_tx</i>	(Optional)
<i>pim6_all_local_ssm_rp_req_tx_fail</i>	(Optional)
<i>igmp_local_route_rx</i>	(Optional)
<i>igmp_local_route_ack_rx</i>	(Optional)
<i>igmp_msgs_tx</i>	(Optional)
<i>igmp_msgs_tx_fail</i>	(Optional)
<i>igmp_l2_vni_up_down_rx</i>	(Optional)
<i>mts_q_high_warning_rx</i>	(Optional)
<i>mts_q_full_warning_rx</i>	(Optional)

Command Mode

- /exec

show fabric multicast vrf

```
show fabric multicast vrf [ { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<context_name> [ <context_id> ] [ <vprime_iod> ] [ <vnid> ] [ <l3trm> ] [ <iropt> ] ]
```

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
vrf	Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>context_name</i>	(Optional)
<i>context_id</i>	(Optional)
<i>vprime_iod</i>	(Optional)
<i>vnid</i>	(Optional)
<i>l3trm</i>	(Optional)
<i>iropt</i>	(Optional)

Command Mode

- /exec

show fabric switch information

show fabric switch information [vsan <i0>]

Syntax Description

show	Show running system information
fabric	Show Fabric Information
switch	Show switch details.
information	Show switch model, version and other details
vsan	(Optional) VSAN id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fc2 bind

```
show fc2 bind [ __readonly__ { TABLE_fc2bind <SOCKET> <FLAGS> <NLEVEL> <RULE> <SINDEX>
<VSAN> <D_ID> <MASK> <TYPE> <SUBTYPE> <M_VALUES> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
bind	show fc2 socket bindings
__readonly__	(Optional) Read only
TABLE_fc2bind	(Optional) show fc2 bind
<i>SOCKET</i>	(Optional) socket
<i>FLAGS</i>	(Optional) flags
<i>NLEVEL</i>	(Optional) nlevel
<i>RULE</i>	(Optional) rule
<i>SINDEX</i>	(Optional) sidnex
<i>VSAN</i>	(Optional) vsan
<i>D_ID</i>	(Optional) d_id
<i>MASK</i>	(Optional) mask
<i>TYPE</i>	(Optional) type
<i>SUBTYPE</i>	(Optional) subtype
<i>M_VALUES</i>	(Optional) m_values

Command Mode

- /exec

show fc2 classf

```
show fc2 classf [ __readonly__ { TABLE_fc2classf <HIX> <VSAN> <S_ID> <D_ID> <IFIDX> <R_A_TOV>
<E_D_TOV> <F-SO> <RC> <RS> <CS> <EE> <2-SO> <RS> <3-SO> <RS> <EECNT> <TCCNT> <FCNT>
<REFCNT> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
classf	show fc2 classf sessions
__readonly__	(Optional) Read only
TABLE_fc2classf	(Optional) show fc2 classf
HIX	(Optional) hix
VSAN	(Optional) vsan
S_ID	(Optional) sid
D_ID	(Optional) did
IFIDX	(Optional) ifidx
R_A_TOV	(Optional) r_a_tov
E_D_TOV	(Optional) e_d_tov
F-SO	(Optional) f-so
RC	(Optional) rc
RS	(Optional) rs
CS	(Optional) cs
EE	(Optional) ee
2-SO	(Optional) 2-so
RS	(Optional) rs
3-SO	(Optional) 3-so
RS	(Optional) rs
EECNT	(Optional) eecnt
TCCNT	(Optional) tcnt
FCNT	(Optional) fcnt

<i>REFCNT</i>	(Optional) refcnt
---------------	-------------------

Command Mode

- /exec

show fc2 exchange

```
show fc2 exchange [ __readonly__ { TABLE_ExchngInfo [ <ECB_INUSE> ] [ <ECB_DROPPED> ] [
<ECB_TOTAL> ] [ <ECB_MAX> ] } [ TABLE_fc2exchange <HIX> <VSAN> <X_ID> <OX_ID> <RX_ID>
<O_ID> <R_ID> <ESTAT> <STATE> <SOCKET> <DIFINDEX> <CS> <TYPE> <SEQID> <TCNT>
<RCNT> <LO> <HI> <SSTAT> <LOGIN> ] ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchange	show fc2 active exchanges
<i>__readonly__</i>	(Optional) Read only
TABLE_ExchngInfo	(Optional) ecb info
<i>ECB_INUSE</i>	(Optional) ecb in use
<i>ECB_DROPPED</i>	(Optional) ecb dropped
<i>ECB_TOTAL</i>	(Optional) ecb total
<i>ECB_MAX</i>	(Optional) ecb threshold
TABLE_fc2exchange	(Optional) show fc2 exchange
<i>HIX</i>	(Optional) hix
<i>VSAN</i>	(Optional) vsan
<i>X_ID</i>	(Optional) xid
<i>OX_ID</i>	(Optional) oxid
<i>RX_ID</i>	(Optional) rxid
<i>O_ID</i>	(Optional) o_id
<i>R_ID</i>	(Optional) r_id
<i>ESTAT</i>	(Optional) estat
<i>STATE</i>	(Optional) state
<i>SOCKET</i>	(Optional) socket
<i>DIFINDEX</i>	(Optional) dIFINDEX
<i>CS</i>	(Optional) cs
<i>TYPE</i>	(Optional) type

<i>SEQID</i>	(Optional) seqid
<i>TCNT</i>	(Optional) tcnt
<i>RCNT</i>	(Optional) rcnt
<i>LO</i>	(Optional) lo
<i>HI</i>	(Optional) hi
<i>SSTAT</i>	(Optional) sstat
<i>LOGIN</i>	(Optional) login

Command Mode

- /exec

show fc2 exchresp

```
show fc2 exchresp [ __readonly__ { TABLE_fc2exchresp <HIX> <VSAN> <OX_ID> <S_ID> <CS>
<SIFINDEX> <OX_ID2> <RX_ID2> <O_ID> <R_ID> <ESTAT> <STATE> <SOCKET> <TYPE> <SEQID>
<TCNT> <RCNT> <LO> <HI> <SSTAT> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchresp	show fc2 active responder exchanges
__readonly__	(Optional) Read only
TABLE_fc2exchresp	(Optional) show fc2 exchresp
HIX	(Optional) hix
VSAN	(Optional) vsan
OX_ID	(Optional) oxid
S_ID	(Optional) sid
CS	(Optional) cs
SIFINDEX	(Optional) sifindex
OX_ID2	(Optional) oxid
RX_ID2	(Optional) rxid
O_ID	(Optional) oid
R_ID	(Optional) rid
ESTAT	(Optional) estat
STATE	(Optional) state
SOCKET	(Optional) socket
TYPE	(Optional) type
SEQID	(Optional) seqid
TCNT	(Optional) tcnt
RCNT	(Optional) rcnt
LO	(Optional) lo
HI	(Optional) hi

<i>SSTAT</i>	(Optional) sstat
--------------	------------------

Command Mode

- /exec

show fc2 flogi

```
show fc2 flogi [ __readonly__ { TABLE_fc2flogi <HIX> <VSAN> <S_ID> <FLOGI> <IFINDEX> <TYPE>
} ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
flogi	show fc2 flogi table
__readonly__	(Optional) Read only
TABLE_fc2flogi	(Optional) show fc2 flogi
<i>HIX</i>	(Optional) hix
<i>VSAN</i>	(Optional) vsan
<i>S_ID</i>	(Optional) sid
<i>FLOGI</i>	(Optional) flogi
<i>IFINDEX</i>	(Optional) ifindex
<i>TYPE</i>	(Optional) type

Command Mode

- /exec

show fc2 nport

```
show fc2 nport [ __readonly__ { TABLE_fc2nport <REF> <VSAN> <D_ID> <MASK> <FL> <ST>
<IFINDEX> <CF> <TC> <2-SO> <IC> <RC> <RS> <CS> <EE> <3-SO> <3-SO-IC> <3-SO-RC> <3-SO-RS>
<3-SO-CS> <3-SO-EE> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
nport	show fc2 local nports
__readonly__	(Optional) Read only
TABLE_fc2nport	(Optional) show fc2 nport
<i>REF</i>	(Optional) ref
<i>VSAN</i>	(Optional) vsan
<i>D_ID</i>	(Optional) did
<i>MASK</i>	(Optional) mask
<i>FL</i>	(Optional) fl
<i>ST</i>	(Optional) st
<i>IFINDEX</i>	(Optional) ifindex
<i>CF</i>	(Optional) cf
<i>TC</i>	(Optional) tc
<i>2-SO</i>	(Optional) 2so
<i>IC</i>	(Optional) ic
<i>RC</i>	(Optional) rc
<i>RS</i>	(Optional) rs
<i>CS</i>	(Optional) cs
<i>EE</i>	(Optional) ee
<i>3-SO</i>	(Optional) 3so
<i>3-SO-IC</i>	(Optional) 3so-ic
<i>3-SO-RC</i>	(Optional) 3so-rc
<i>3-SO-RS</i>	(Optional) 3so-rs

<i>3-SO-CS</i>	(Optional) 3so-cs
<i>3-SO-EE</i>	(Optional) 3so-ee

Command Mode

- /exec

show fc2 plogi

```
show fc2 plogi [ __readonly__ { TABLE_fc2plogi <HIX> <ADDRESS> <VSAN> <S_ID> <D_ID>
<IF_INDEX> <FL> <STATE> <CF> <TC> <2-SO> <IC> <RC> <RS> <CS> <EE> <3-SO> <3SO_IC>
<3SO_RC> <3SO_RS> <3SO_CS> <3SO_EE> <EECNT> <TCCNT> <2CNT> <3CNT> <REFCNT> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi	show fc2 plogi sessions
__readonly__	(Optional) Read only
TABLE_fc2plogi	(Optional) show fc2 plogi
<i>HIX</i>	(Optional) hix
<i>ADDRESS</i>	(Optional) address
<i>VSAN</i>	(Optional) vsan
<i>S_ID</i>	(Optional) sid
<i>D_ID</i>	(Optional) did
<i>IF_INDEX</i>	(Optional) ifindex
<i>FL</i>	(Optional) fl
<i>STATE</i>	(Optional) state
<i>CF</i>	(Optional) cf
<i>TC</i>	(Optional) tc
<i>2-SO</i>	(Optional) 2so
<i>IC</i>	(Optional) ic
<i>RC</i>	(Optional) rc
<i>RS</i>	(Optional) rs
<i>CS</i>	(Optional) cs
<i>EE</i>	(Optional) ee
<i>3-SO</i>	(Optional) 3so
<i>3SO_IC</i>	(Optional) ic
<i>3SO_RC</i>	(Optional) rc

<i>3SO_RS</i>	(Optional) rs
<i>3SO_CS</i>	(Optional) cs
<i>3SO_EE</i>	(Optional) ee
<i>EECNT</i>	(Optional) eecnt
<i>TCCNT</i>	(Optional) TCCNT
<i>2CNT</i>	(Optional) 2cnt
<i>3CNT</i>	(Optional) 3cnt
<i>REFCNT</i>	(Optional) refcnt

Command Mode

- /exec

show fc2 plogi_pwwn

```
show fc2 plogi_pwwn [ __readonly__ { TABLE_fc2plogi_pwwn <HIX> <ADDRESS> <VSAN> <S_ID>
<D_ID> <IFINDEX> <FL> <STATE> <PWWN> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi_pwwn	show fc2 plogi pwwn entries
__readonly__	(Optional) Read only
TABLE_fc2plogi_pwwn	(Optional) show fc2 plogi_pwwn
<i>HIX</i>	(Optional) hix
<i>ADDRESS</i>	(Optional) address
<i>VSAN</i>	(Optional) vsan
<i>S_ID</i>	(Optional) s_id
<i>D_ID</i>	(Optional) d_id
<i>IFINDEX</i>	(Optional) ifindex
<i>FL</i>	(Optional) fl
<i>STATE</i>	(Optional) state
<i>PWWN</i>	(Optional) pwwn

Command Mode

- /exec

show fc2 port brief

```
show fc2 port brief [ __readonly__ { TABLE_fc2portbrief <BAD_FRAME_RX> } [ TABLE_FCSTAT <IX>
<ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP> ] [ TABLE_LBSTAT
<IX> <ST> <MOD> <EMUL> <TXLBPCKTS> <TXLBDROP> <RXLBPCKTS> <RXLBDROP> ] [
TABLE_VFCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS>
<RXDROP> ] [ TABLE_VFCPOSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR>
<RXPKTS> <RXDROP> ] [ TABLE_VFCSLOTSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS>
<TXDROP> <TXERR> <RXPKTS> <RXDROP> ] ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
brief	display only active port counters
__readonly__	(Optional) Read only
TABLE_fc2portbrief	(Optional) bad frames received
<i>BAD_FRAME_RX</i>	(Optional) fc2 bad frames rx
TABLE_FCSTAT	(Optional) FC Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorrent
<i>RXPKTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_LBSTAT	(Optional) LB Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul

<i>TXLBPKTS</i>	(Optional) tx lb packets
<i>TXLBDROP</i>	(Optional) tx lb drops
<i>RXLBPKTS</i>	(Optional) rx lb packets
<i>RXLBDROP</i>	(Optional) rx lb drop
TABLE_VFCSTAT	(Optional) VFC Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrornt
<i>RXPKTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_VFCPOSTAT	(Optional) VFC po Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrornt
<i>RXPKTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_VFCSLOTSTAT	(Optional) VFC slot Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul

<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPKTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop

Command Mode

- /exec

show fc2 port drops

```
show fc2 port drops [ __readonly__ [ TABLE_FCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS>
<TXDROP> <TXERR> <RXPKTS> <RXDROP> ] [ TABLE_LBSTAT <IX> <ST> <MOD> <EMUL>
<TXLBPCKTS> <TXLBDROP> <RXLBPCKTS> <RXLBDROP> ] [ TABLE_VFCSTAT <IX> <ST> <MOD>
<EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP> ] [ TABLE_VFCPOSTAT <IX>
<ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP> ] [
TABLE_VFCSLOTSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS>
<RXDROP> ] ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
drops	display active port drop counters
__readonly__	(Optional) Read only
TABLE_FCSTAT	(Optional) FC Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPKTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_LBSTAT	(Optional) LB Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXLBPCKTS</i>	(Optional) tx lb packets
<i>TXLBDROP</i>	(Optional) tx lb drops

<i>RXLBPKTS</i>	(Optional) rx lb packets
<i>RXLBDROP</i>	(Optional) rx lb drop
TABLE_VFCSTAT	(Optional) VFC Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPKTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_VFCPOSTAT	(Optional) VFC po Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops
<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPKTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop
TABLE_VFCSLOTSTAT	(Optional) VFC slot Stat table
<i>IX</i>	(Optional) index
<i>ST</i>	(Optional) status
<i>MOD</i>	(Optional) mode
<i>EMUL</i>	(Optional) TEemul
<i>TXPKTS</i>	(Optional) txpackets
<i>TXDROP</i>	(Optional) txdrops

<i>TXERR</i>	(Optional) txerrorcnt
<i>RXPKTS</i>	(Optional) rx packets
<i>RXDROP</i>	(Optional) rx drop

Command Mode

- /exec

show fc2 port state

```
show fc2 port state [ __readonly__ [ TABLE_FCPORTSTATE [ <PORT_STRING> ] [ <PORT_NO> ] [
<UP_DOWN_CNTR> ] [ [ <UP_STRING> ] + [ <UP_TIME> ] + [ <UP_REFTIME> ] + [ <DOWN_STRING>
] + [ <DOWN_TIME> ] + [ <DOWN_REFTIME> ] + ] ] ] [ TABLE_VFCPORTSTATE [ <PORT_STRING>
] [ <PORT_NO> ] [ <UP_DOWN_CNTR> ] [ [ <UP_STRING> ] + [ <UP_TIME> ] + [ <UP_REFTIME>
] + [ <DOWN_STRING> ] + [ <DOWN_TIME> ] + [ <DOWN_REFTIME> ] + ] ] ] [
TABLE_VFCPOPORTSTATE [ <PORT_STRING> ] [ <PORT_NO> ] [ <UP_DOWN_CNTR> ] [ [
<UP_STRING> ] + [ <UP_TIME> ] + [ <UP_REFTIME> ] + [ <DOWN_STRING> ] + [ <DOWN_TIME>
] + [ <DOWN_REFTIME> ] + ] ] ] [ TABLE_VFCPORTSLOTSTATE [ <PORT_STRING> ] [ <PORT_NO>
] [ <UP_DOWN_CNTR> ] [ [ <UP_STRING> ] + [ <UP_TIME> ] + [ <UP_REFTIME> ] + [
<DOWN_STRING> ] + [ <DOWN_TIME> ] + [ <DOWN_REFTIME> ] + ] ] ] ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
state	display port state history
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_FCPORTSTATE</i>	(Optional) fc port state change history
<i>PORT_STRING</i>	(Optional) port name
<i>PORT_NO</i>	(Optional) port number
<i>UP_DOWN_CNTR</i>	(Optional) up-down counter
<i>UP_STRING</i>	(Optional) up
<i>UP_TIME</i>	(Optional) up time
<i>UP_REFTIME</i>	(Optional) up from
<i>DOWN_STRING</i>	(Optional) down string
<i>DOWN_TIME</i>	(Optional) down time
<i>DOWN_REFTIME</i>	(Optional) down from
<i>TABLE_VFCPORTSTATE</i>	(Optional) vfc port state change history
<i>PORT_STRING</i>	(Optional) port name
<i>PORT_NO</i>	(Optional) port number
<i>UP_DOWN_CNTR</i>	(Optional) up-down counter
<i>UP_STRING</i>	(Optional) up

<i>UP_TIME</i>	(Optional) up time
<i>UP_REFTIME</i>	(Optional) up from
<i>DOWN_STRING</i>	(Optional) down string
<i>DOWN_TIME</i>	(Optional) down time
<i>DOWN_REFTIME</i>	(Optional) down from
TABLE_VFCPOPORTSTATE	(Optional) vfc po port state change history
<i>PORT_STRING</i>	(Optional) port name
<i>PORT_NO</i>	(Optional) port number
<i>UP_DOWN_CNTR</i>	(Optional) up-down counter
<i>UP_STRING</i>	(Optional) up
<i>UP_TIME</i>	(Optional) up time
<i>UP_REFTIME</i>	(Optional) up from
<i>DOWN_STRING</i>	(Optional) down string
<i>DOWN_TIME</i>	(Optional) down time
<i>DOWN_REFTIME</i>	(Optional) down from
TABLE_VFCPORTSLOTSTATE	(Optional) vfc port slot state change history
<i>PORT_STRING</i>	(Optional) port name
<i>PORT_NO</i>	(Optional) port number
<i>UP_DOWN_CNTR</i>	(Optional) up-down counter
<i>UP_STRING</i>	(Optional) up
<i>UP_TIME</i>	(Optional) up time
<i>UP_REFTIME</i>	(Optional) up from
<i>DOWN_STRING</i>	(Optional) down string
<i>DOWN_TIME</i>	(Optional) down time
<i>DOWN_REFTIME</i>	(Optional) down from

Command Mode

- /exec

show fc2 socket

```
show fc2 socket [ __readonly__ { TABLE_fc2socket <SOCKET> <REFCNT> <PROTOCOL> <FLAGS>
<PID> <RCVBUF> <RMEM_USED> <QLEN> <NOTSK> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socket	show fc2 active sockets
__readonly__	(Optional) Read only
TABLE_fc2socket	(Optional) show fc2 socket
<i>SOCKET</i>	(Optional) socket
<i>REFCNT</i>	(Optional) refcnt
<i>PROTOCOL</i>	(Optional) protocol
<i>FLAGS</i>	(Optional) flags
<i>PID</i>	(Optional) pid
<i>RCVBUF</i>	(Optional) rcvbuf
<i>RMEM_USED</i>	(Optional) rmem_used
<i>QLEN</i>	(Optional) qlen
<i>NOTSK</i>	(Optional) not_sk

Command Mode

- /exec

show fc2 sockexch

```
show fc2 sockexch [ __readonly__ { TABLE_fc2sockexch <SOCKET> <VSAN> <X_ID> <OX_ID>
<RX_ID> <O_ID> <R_ID> <ESTAT> <STATE> <CS> <TYPE> <SK> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
sockexch	show fc2 active exchanges for each socket
__readonly__	(Optional) Read only
TABLE_fc2sockexch	(Optional) show fc2 sockexch
SOCKET	(Optional) socket
VSAN	(Optional) vsan
X_ID	(Optional) x_id
OX_ID	(Optional) oxid
RX_ID	(Optional) rxid
O_ID	(Optional) o_id
R_ID	(Optional) r_id
ESTAT	(Optional) estat
STATE	(Optional) state
CS	(Optional) cs
TYPE	(Optional) type
SK	(Optional) sk

Command Mode

- /exec

show fc2 socknotify

```
show fc2 socknotify [ __readonly__ { TABLE_fc2socknotify <SOCKET> <ADDRESS> <REF> <VSAN>
<D_ID> <MASK> <FL> <ST> <IFINDEX> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknotify	show fc2 local nport plogi/logo notifications per each socket
__readonly__	(Optional) Read only
TABLE_fc2socknotify	(Optional) show fc2 socknotify
<i>SOCKET</i>	(Optional) socket
<i>ADDRESS</i>	(Optional) address
<i>REF</i>	(Optional) ref
<i>VSAN</i>	(Optional) vsan
<i>D_ID</i>	(Optional) d_id
<i>MASK</i>	(Optional) mask
<i>FL</i>	(Optional) fl
<i>ST</i>	(Optional) st
<i>IFINDEX</i>	(Optional) ifindex

Command Mode

- /exec

show fc2 socknport

```
show fc2 socknport [ __readonly__ { TABLE_fc2socknport <SOCKET> <ADDRESS> <REF> <VSAN>
<D_ID> <MASK> <FL> <ST> <IFINDEX> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknport	show fc2 local nports per each socket
__readonly__	(Optional) Read only
TABLE_fc2socknport	(Optional) show fc2 socknport
<i>SOCKET</i>	(Optional) socket
<i>ADDRESS</i>	(Optional) address
<i>REF</i>	(Optional) ref
<i>VSAN</i>	(Optional) vsan
<i>D_ID</i>	(Optional) d_id
<i>MASK</i>	(Optional) mask
<i>FL</i>	(Optional) fl
<i>ST</i>	(Optional) st
<i>IFINDEX</i>	(Optional) ifindex

Command Mode

- /exec

show fc2 vsan

```
show fc2 vsan [ __readonly__ { TABLE_fc2vsan <VSAN> <X_ID> <E_D_TOV> <R_A_TOV> <WWN>
<IOP_MODE> } ]
```

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
vsan	show fc2 vsan table
__readonly__	(Optional) Read only
TABLE_fc2vsan	(Optional) show fc2 vsan
VSAN	(Optional) vsan
X_ID	(Optional) xid
E_D_TOV	(Optional) e_d_tov
R_A_TOV	(Optional) r_a_tov
WWN	(Optional) wwn
IOP_MODE	(Optional) iop_mode

Command Mode

- /exec

show fcalias

```
show fcalias [ [ name <s0> ] [ [ pending ] [ vsan <i0> ] ] ]
```

Syntax Description

show	Show running system information
fcalias	Fcalias show commands
name	(Optional) Show members of a specified fcalias
<i>s0</i>	(Optional) Enter the name of fcalias
pending	(Optional) Show members of a specified fcalias in session
vsan	(Optional) Show aliases belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fcdomain

show fcdomain

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information

Command Mode

- /exec

show fcdomain address-allocation

show fcdomain address-allocation [{ cache | vsan <i0> }]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
address-allocation	Show statistics for the fcid allocation
cache	(Optional) Show cache content for the fcid allocation
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain allowed

show fcdomain allowed [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
allowed	Show list of allowed domain IDs
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain domain-list

```
show fcdomain domain-list [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
domain-list	Show list of domain IDs granted by the principal sw
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain fcid persistent

```
show fcdomain fcid persistent [ { unused [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
fcid	Show persistent FCIDs (across reboot)
persistent	Show persistent FCIDs (across reboot)
unused	(Optional) Show unused persistent FCIDs (across reboot)
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id
vsan1	(Optional) Specify the vsan id
<i>i1</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain pending-diff

```
show fcdomain pending-diff [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
pending-diff	Show the difference between running and pending configuration
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain pending

show fcdomain pending [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
pending	Show the pending configuration
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain session-status

show fcdomain session-status [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
session-status	Show the last action performed by fcdomain
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain statistics

show fcdomain statistics [{ interface <i>i0</i> [vsan <i>i0</i>] | vsan1 <i>i1</i> }]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
statistics	Show the statistics of fcdomain
interface	(Optional) Specify the fibre channel interface
<i>i0</i>	(Optional)
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id
vsan1	(Optional) Specify the vsan id
<i>i1</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain status

show fcdomain status

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
status	Show all vsan-independent information in fcdomain

Command Mode

- /exec

show fcdomain vsan

show fcdomain vsan <i0>

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
vsan	Specify the vsan id
<i>i0</i>	VSAN id

Command Mode

- /exec

show fcdroplateny

```
show fcdroplateny [ { network | switch } ] [ __readonly__ [ <switch_latency> ] [ <global_network_latency> ] ] [ TABLE_vsan_network_latency { <vsan-no> <network-latency> } ] ]
```

Syntax Description

show	Show running system information
fcdroplateny	show switch or network latency
network	(Optional) network latency in milliseconds
switch	(Optional) switch latency in milliseconds
__readonly__	(Optional)
<i>switch_latency</i>	(Optional) Switch latency value
<i>global_network_latency</i>	(Optional) global network latency value
TABLE_vsan_network_latency	(Optional) VSAN specific network latency settings
<i>vsan-no</i>	(Optional) vsan number
<i>network-latency</i>	(Optional) VSAN specific network latency

Command Mode

- /exec

show fcid-allocation area

show fcid-allocation area

Syntax Description

show	Show running system information
fcid-allocation	Show information about fcid-allocation list
area	Show information about fcid-allocation list

Command Mode

- /exec

show fcid-allocation company-id-from-wwn

show fcid-allocation company-id-from-wwn <wwn0>

Syntax Description

show	Show running system information
fcid-allocation	Show information about fcid-allocation list
company-id-from-wwn	Company id (or OUI).
<i>wwn0</i>	Enter WWN to extract company_id/oui

Command Mode

- /exec

show fcns database

```
show fcns database [ { detail [ vsan <i0> ] | domain <i1> [ { detail [ vsan1 <i2> ] | vsan2 <i3> } ] | fcid <fcid4>
{ detail2 vsan3 <i5> | vsan4 <i6> } | local [ { detail1 [ vsan5 <i7> ] | vsan6 <i8> } ] | npv [ { detail1 [ vsan7
<i9> ] | node_wwn <wwn10> [ vsan8 <i11> ] | vsan9 <i12> } ] | proxy-host { detail4 vsan10 <i13> | vsan11
<i14> } | vsan12 <i15> } ]
```

Syntax Description

show	Show running system information
fcns	show name server tables
database	show name server database
detail	(Optional) show all objects in each entry
vsan	(Optional) show local entries for the given vsan(s)
<i>i0</i>	(Optional) VSAN id range
domain	(Optional) show entries in a domain
<i>i1</i>	(Optional) domain-id
detail	(Optional) show all objects in each entry
vsan1	(Optional) show entries for a domain for the given vsan(s)
<i>i2</i>	(Optional) VSAN id range
vsan2	(Optional) show entries for a domain for the given vsan(s)
<i>i3</i>	(Optional) VSAN id range
fcid	(Optional) show entry for the given port
<i>fcid4</i>	(Optional) enter FCID
detail2	(Optional) show all objects in the entry
vsan3	(Optional) show port entry for the given vsan
<i>i5</i>	(Optional) VSAN id
vsan4	(Optional) show port entry for the given vsan
<i>i6</i>	(Optional) VSAN id
local	(Optional) show local entries
detail1	(Optional) show all objects in each entry
vsan5	(Optional) show local entries for the given vsan(s)

<i>i7</i>	(Optional) VSAN id range
<i>vsan6</i>	(Optional) show local entries for the given vsan(s)
<i>i8</i>	(Optional) VSAN id range
<i>npv</i>	(Optional) show n-port virtualization (npv) entries
<i>detail1</i>	(Optional) show all objects in each entry
<i>vsan7</i>	(Optional) show npv entries for the given vsan(s)
<i>i9</i>	(Optional) VSAN id range
<i>node_wwn</i>	(Optional) show end-devices logged in via an npv node
<i>wwn10</i>	(Optional) Node WWN of NPV
<i>vsan8</i>	(Optional) show npv entries for the given vsan(s)
<i>i11</i>	(Optional) VSAN id range
<i>vsan9</i>	(Optional) show npv entries for the given vsan(s)
<i>i12</i>	(Optional) VSAN id range
<i>proxy-host</i>	(Optional) show entry for the proxy-host
<i>detail4</i>	(Optional) show all objects in the entry
<i>vsan10</i>	(Optional) show port entry for the given vsan
<i>i13</i>	(Optional) VSAN id
<i>vsan11</i>	(Optional) show port entry for the given vsan
<i>i14</i>	(Optional) VSAN id
<i>vsan12</i>	(Optional) show entries for the given vsan(s)
<i>i15</i>	(Optional) VSAN id range

Command Mode

- /exec

show fcns statistics

show fcns statistics [{ detail [vsan <i0>] | vsan1 <i1> }]

Syntax Description

show	Show running system information
fcns	show name server tables
statistics	show name server statistics
detail	(Optional) show detailed statistics
vsan	(Optional) show detailed statistics for the vsan(s)
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) show statistics for the vsan(s)
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show fcoe-npv issu-impact

```
show fcoe-npv issu-impact [ __readonly__ { <is_impact> } [ TABLE_interface <vfc_intf> <fc_id> ] ]
```

Syntax Description

show	Show running system information
fcoe-npv	feature fcoe-npv
issu-impact	Show feature fcoe-npv config issues if attempting to do non-disruptive ISSU
__readonly__	(Optional) Read Only
<i>is_impact</i>	(Optional) show issu impact
TABLE_interface	(Optional) show fcoe database
<i>vfc_intf</i>	(Optional) vfc port Interface index
<i>fc_id</i>	(Optional) vfc port FCID

Command Mode

- /exec

show fcoe

```
show fcoe [ __readonly__ { TABLE_fcf <fcf_if_index> <fcf_mac> <fc_map> <fcf_priority>
<fka_Advertisement> } [ TABLE_vfc <vfc_name> <vfcf_mac> ] ]
```

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters
__readonly__	(Optional) Read Only
TABLE_fcf	(Optional) fcf table
<i>fcf_if_index</i>	(Optional) fcf if index
<i>fcf_mac</i>	(Optional) fcf mac
<i>fc_map</i>	(Optional) fc map
<i>fcf_priority</i>	(Optional) fcf priority
<i>fka_Advertisement</i>	(Optional) fka Advertisement
TABLE_vfc	(Optional) vfc details table for sup
<i>vfc_name</i>	(Optional) vfc name
<i>vfcf_mac</i>	(Optional) vfcf mac

Command Mode

- /exec

show fcoe database

```
show fcoe database [ __readonly__ { TABLE_interface <interface> [ <fcid> ] [ <port_name> ] <mac_address>
} <flogi_count> [ TABLE_veport <interface> <mac_address> <vsan> ] ]
```

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters
database	Show FCOE database
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show fcoe database
<i>fcid</i>	(Optional) fcid
<i>port_name</i>	(Optional) port name
<i>mac_address</i>	(Optional) mac address
<i>interface</i>	(Optional) ve port Interface index
TABLE_veport	(Optional) ve port details
<i>mac_address</i>	(Optional) ve port mac address
<i>flogi_count</i>	(Optional) flogi_count
<i>vsan</i>	(Optional) ve port VSAN trunking

Command Mode

- /exec

show fcs database

show fcs database [vsan <i0>]

Syntax Description

show	Show running system information
database	Show local database of FCS
vsan	(Optional) Show local database for a VSAN
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fcs ie

```
show fcs ie [ { nwwn <wwn0> vsan <i1> | vsan1 <i2> } ]
```

Syntax Description

show	Show running system information
ie	Show Interconnect Element Objects Information
nwwn	(Optional) IE WWN
<i>wwn0</i>	(Optional) IE WWN
vsan	(Optional) VSAN id of IE
<i>i1</i>	(Optional) VSAN id
vsan1	(Optional) VSAN id of IE
<i>i2</i>	(Optional) VSAN range

Command Mode

- /exec

show fcs platform

show fcs platform { name <s0> vsan <i0> | vsan1 <i1> }

Syntax Description

show	Show running system information
platform	Show Platform Objects Information
name	Platform Name
<i>s0</i>	Platform name string
vsan	VSAN id of the platform
<i>i0</i>	VSAN id
vsan1	VSAN id of the platform
<i>i1</i>	VSAN range

Command Mode

- /exec

show fcs port

```
show fcs port { pwwn <wwn0> vsan <i1> | vsan1 <i2> }
```

Syntax Description

show	Show running system information
port	Show Port Objects Information
pwwn	Port WWN
<i>wwn0</i>	Port WWN
vsan	VSAN id of the port
<i>i1</i>	VSAN id
vsan1	VSAN id of the port
<i>i2</i>	VSAN range

Command Mode

- /exec

show fcs statistics

show fcs statistics [vsan <i0>]

Syntax Description

show	Show running system information
statistics	Show statistics for FCS packets.
vsan	(Optional) Show statistics for a VSAN
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fcs vsan

show fcs vsan

Syntax Description

show	Show running system information
vsan	Show list of all the VSANs and plat-check-mode for each

Command Mode

- /exec

show fctimer

```
show fctimer [ __readonly__ { <F_S_TOV> <D_S_TOV> <E_D_TOV> <R_A_TOV> } ]
```

Syntax Description

show	show running system information
fctimer	show Fibre Channel timers
__readonly__	(Optional) Read only
<i>F_S_TOV</i>	(Optional) F_S_TOV
<i>D_S_TOV</i>	(Optional) D_S_TOV
<i>E_D_TOV</i>	(Optional) E_D_TOV
<i>R_A_TOV</i>	(Optional) R_A_TOV

Command Mode

- /exec

show fctimer D_S_TOV

```
show fctimer D_S_TOV [ vsan <i0> ] [ __readonly__ [ TABLE_D_S_TOV [ <vsan-no> ] <D_S_TOV> ] [ <non-exist-vcn> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
D_S_TOV	D_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range
<i>__readonly__</i>	(Optional)
TABLE_D_S_TOV	(Optional) table D_S_TOV
<i>vsan-no</i>	(Optional) vsan number
<i>D_S_TOV</i>	(Optional) D_S_TOV
<i>non-exist-vcn</i>	(Optional) non configured vsans

Command Mode

- /exec

show fctimer E_D_TOV

```
show fctimer E_D_TOV [ vsan <i0> ] [ __readonly__ [ TABLE_E_D_TOV [ <vsan-no> ] <E_D_TOV> ] [ <non-exist-vsan> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
E_D_TOV	E_D_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range
__readonly__	(Optional)
TABLE_E_D_TOV	(Optional) table
<i>vsan-no</i>	(Optional) vsan number
<i>E_D_TOV</i>	(Optional) E_D_TOV
<i>non-exist-<i>vsan</i></i>	(Optional) not exist vsans

Command Mode

- /exec

show fctimer F_S_TOV

```
show fctimer F_S_TOV [ vsan <i0> ] [ __readonly__ [ TABLE_F_S_TOV [ <vsan-no> ] <F_S_TOV> ] [ <non-exist-nsan> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
F_S_TOV	F_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range
<i>__readonly__</i>	(Optional)
TABLE_F_S_TOV	(Optional) table
<i>vsan-no</i>	(Optional) vsan number
<i>F_S_TOV</i>	(Optional) F_S_TOV
<i>non-exist-nsan</i>	(Optional) not exist vsans

Command Mode

- /exec

show fctimer R_A_TOV

```
show fctimer R_A_TOV [ vsan <i0> ] [ __readonly__ [ TABLE_R_A_TOV [ <vsan-no> ] <R_A_TOV> ] [ <non-exist-vsan> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
R_A_TOV	R_A_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range
__readonly__	(Optional)
TABLE_R_A_TOV	(Optional) table
<i>vsan-no</i>	(Optional) vsan number
<i>R_A_TOV</i>	(Optional) R_A_TOV
<i>non-exist-<i>vsan</i></i>	(Optional) non exist vsans

Command Mode

- /exec

show fctimer last action status

```
show fctimer last action status [ __readonly__ [ <vsan> ] <last_action_timestamp> <last_action>
<last_action_result> <last_action_failure_reason> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
last	Show the status of the last cfs commit/abort operation
action	Show the status of the last cfs commit/abort operation
status	Show the status of the last cfs commit/abort operation
<i>__readonly__</i>	(Optional) Readonly
<i>vsan</i>	(Optional) Vsan
<i>last_action_timestamp</i>	(Optional) Last action timestamp
<i>last_action</i>	(Optional) Last action
<i>last_action_result</i>	(Optional) Last action result
<i>last_action_failure_reason</i>	(Optional) Last action failure reason

Command Mode

- /exec

show fctimer pending-diff

show fctimer pending-diff [__readonly__ <status_fctimer>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending-diff	Show the difference between pending database and running config
__readonly__	(Optional)
<i>status_fctimer</i>	(Optional) Show the difference between pending database and running config

Command Mode

- /exec

show fctimer pending

show fctimer pending [__readonly__ <status_fctimer>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending	Show the status of pending fctimer commands
__readonly__	(Optional)
<i>status_fctimer</i>	(Optional) Show the status of pending fctimer commands

Command Mode

- /exec

show fctimer session status

```
show fctimer session status [ __readonly__ [ <vsan> ] <last_action_timestamp> <last_action>
<last_action_result> <last_action_failure_reason> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
session	Show the state of fctimer cfs session
status	Show the status of the last cfs commit/abort operation
<i>__readonly__</i>	(Optional) Readonly
<i>vsan</i>	(Optional) Vsan
<i>last_action_timestamp</i>	(Optional) Last action timestamp
<i>last_action</i>	(Optional) Last action
<i>last_action_result</i>	(Optional) Last action result
<i>last_action_failure_reason</i>	(Optional) Last action failure reason

Command Mode

- /exec

show fctimer status

show fctimer status [__readonly__ <Distribution>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
status	cfs distribution is enabled or disabled
__readonly__	(Optional) read only
<i>Distribution</i>	(Optional) distribution

Command Mode

- /exec

show fctimer vsan

```
show fctimer vsan <i0> [ __readonly__ { TABLE_fctimer <vsan-no> <F_S_TOV> <D_S_TOV> <E_D_TOV>
<R_A_TOV> } [ <non-exist-nsan> ] ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
vsan	Specify VSAN id
<i>i0</i>	VSAN id range
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_fctimer</i>	(Optional) table
<i>vsan-no</i>	(Optional) vsan number
<i>F_S_TOV</i>	(Optional) F_S_TOV
<i>D_S_TOV</i>	(Optional) D_S_TOV
<i>E_D_TOV</i>	(Optional) E_D_TOV
<i>R_A_TOV</i>	(Optional) R_A_TOV
<i>non-exist-nsan</i>	(Optional) non exist vsans

Command Mode

- /exec

show fdmi database

show fdmi database

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database

Command Mode

- /exec

show fdmi database detail

show fdmi database detail

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
detail	show all objects in each entry

Command Mode

- /exec

show fdmi database detail hba-id vsan

show fdmi database detail hba-id <wwn0> vsan <i1>

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
detail	show all objects in each entry
hba-id	show entries for the given HBA id
<i>wwn0</i>	HBA id
vsan	show HBA id the given vsan
<i>i1</i>	VSAN id

Command Mode

- /exec

show fdmi database detail vsan

show fdmi database detail vsan <i0>

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
detail	show all objects in each entry
vsan	show entries for the given vsan(s)
<i>i0</i>	VSAN id range

Command Mode

- /exec

show fdmi database vsan

show fdmi database vsan <i0>

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
vsan	show entries for the given vsan(s)
<i>i0</i>	VSAN id range

Command Mode

- /exec

show fdmi suppress-updates

show fdmi suppress-updates

Syntax Description

show	Show running system information
fdmi	Show fdmi information
suppress-updates	Show vsans on which updates are suppressed

Command Mode

- /exec

show feature-set

```
show feature-set [ <name> ] [ <id> ] [ __readonly__ TABLE_cfcFeatureSetTable <cfcFeatureSetIndex>
<cfcFeatureSetName> <cfcFeatureSetAction> <cfcFeatureSetLastAction> <cfcFeatureSetLastActionResult>
<cfcFeatureSetLastFailureReason> <cfcFeatureSetOpStatus> <cfcFeatureSetOpStatusReason> ]
```

Syntax Description

show	Show running system information
feature-set	Show feature set status
<i>name</i>	(Optional) feature-set name
<i>id</i>	(Optional) feature-set id
<i>__readonly__</i>	(Optional)
<i>TABLE_cfcFeatureSetTable</i>	(Optional) feature-set table
<i>cfcFeatureSetIndex</i>	(Optional) feature-set table index
<i>cfcFeatureSetName</i>	(Optional) feature-set name
<i>cfcFeatureSetAction</i>	(Optional) action
<i>cfcFeatureSetLastAction</i>	(Optional) last action
<i>cfcFeatureSetLastActionResult</i>	(Optional) last action result
<i>cfcFeatureSetLastFailureReason</i>	(Optional) last failure reason
<i>cfcFeatureSetOpStatus</i>	(Optional) operation status
<i>cfcFeatureSetOpStatusReason</i>	(Optional) operation status

Command Mode

- /exec

show feature-set services

```
show feature-set services <s0> [ __readonly__ [ { TABLE_services <service_name> } ] { <count>
<feature_set> } ]
```

Syntax Description

show	Show running system information
feature-set	Show feature set status
services	Show services in feature set
__readonly__	(Optional)
TABLE_services	(Optional) all service names in feature set
<i>service_name</i>	(Optional) name of the service
<i>count</i>	(Optional) number of services in the feature set
<i>feature_set</i>	(Optional) feature set name
<i>s0</i>	Name of feature set

Command Mode

- /exec

show feature

```
show feature [ __readonly__ [ { TABLE_cfcFeatureCtrlTable <cfcFeatureCtrlIndex2>
<cfcFeatureCtrlInstanceNum2> <cfcFeatureCtrlName2> <cfcFeatureCtrlAction2> <cfcFeatureCtrlLastAction2>
<cfcFeatureCtrlLastActionResult2> <cfcFeatureCtrlLastFailureReason2> <cfcFeatureCtrlOpStatus2>
<cfcFeatureCtrlOpStatusReason2> <cfcFeatureCtrlTag2> } ] ]
```

Syntax Description

show	Show running system information
feature	Show feature status
__readonly__	(Optional)
TABLE_cfcFeatureCtrlTable	(Optional) feature table
<i>cfcFeatureCtrlIndex2</i>	(Optional) feature table index
<i>cfcFeatureCtrlInstanceNum2</i>	(Optional) instance number
<i>cfcFeatureCtrlName2</i>	(Optional) feature name
<i>cfcFeatureCtrlAction2</i>	(Optional) Action to be triggered for the feature
<i>cfcFeatureCtrlLastAction2</i>	(Optional) Last action triggered for the feature
<i>cfcFeatureCtrlLastActionResult2</i>	(Optional) The result of execution of the last action
<i>cfcFeatureCtrlLastFailureReason2</i>	(Optional) Failure Reason
<i>cfcFeatureCtrlOpStatus2</i>	(Optional) operation status
<i>cfcFeatureCtrlOpStatusReason2</i>	(Optional) Reason for current operation status
<i>cfcFeatureCtrlTag2</i>	(Optional) Name of the instance in string format in case of multinstance feature

Command Mode

- /exec

show fex interface priority-flow-control

```
show fex { <fexnum> interface | interface [ <if_list> ] } priority-flow-control [ detail ] [ __readonly__ [
TABLE_pfc_interface <if_name_str> <admin> <oper> [ <oper_vl_bmap> ] [ <cos-list> ] <rx-stats> <tx-stats>
[ <rx_ppp_cos_0> ] [ <rx_ppp_cos_1> ] [ <rx_ppp_cos_2> ] [ <rx_ppp_cos_3> ] [ <rx_ppp_cos_4> ] [
<rx_ppp_cos_5> ] [ <rx_ppp_cos_6> ] [ <rx_ppp_cos_7> ] [ <tx_ppp_cos_0> ] [ <tx_ppp_cos_1> ] [
<tx_ppp_cos_2> ] [ <tx_ppp_cos_3> ] [ <tx_ppp_cos_4> ] [ <tx_ppp_cos_5> ] [ <tx_ppp_cos_6> ] [
<tx_ppp_cos_7> ] ] ]
```

Syntax Description

show	commands to display
fex	Show FEX information
<i>fexnum</i>	FEX number
interface	Interface for displaying PFC information
<i>if_list</i>	(Optional) List of interfaces
priority-flow-control	Show interface PFC information
detail	(Optional) Show detailed per priority Tx/Rx PFC statistics
__readonly__	(Optional)
<i>if_name_str</i>	(Optional) interface name
TABLE_pfc_interface	(Optional) PFC information of an interface
<i>admin</i>	(Optional) PFC admin
<i>oper</i>	(Optional) PFC oper
<i>oper_vl_bmap</i>	(Optional) VL bitmap value
<i>cos-list</i>	(Optional) List of class-of-service values

Command Mode

- /exec

show fhrp

```
show fhrp [ <intf> ] [ __readonly__ { TABLE_brief <intf_name> <intf_state> <ipv4_state> <ipv6_state>
<hardware_status> <refcount> } ]
```

Syntax Description

<code>fhrp</code>	FHRP Show commands
<code>show</code>	Show running system information
<code>intf</code>	(Optional) Specify a single interface
<code>__readonly__</code>	(Optional)
<code>TABLE_brief</code>	(Optional) Show brief FHRP interface information
<code>intf_name</code>	(Optional) Interface name
<code>intf_state</code>	(Optional) Interface state
<code>ipv4_state</code>	(Optional) Interface IPv4 state
<code>ipv6_state</code>	(Optional) Interface IPv6 state
<code>hardware_status</code>	(Optional) Interface hardware status
<code>refcount</code>	(Optional) Interface refcount

Command Mode

- /exec

show fhrp verbose

```
show fhrp [ <intf> ] verbose [ __readonly__ { TABLE_det <intf_name> <handle> <refcount> { TABLE_clients
<client_id> <client_name> } <running> <expired> <v_retries> <v_time> <r_delay> <min_delay>
<remaining_delay> <i_state> <ipv4_state> <ipv6_state> <h_state> <int_l2> } ]
```

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
<i>intf</i>	(Optional) Specify a single interface
verbose	Display detailed information
<i>__readonly__</i>	(Optional)
TABLE_det	(Optional) Detailed FHRP interface information
<i>intf_name</i>	(Optional) Interface name
<i>handle</i>	(Optional) Interface handle
<i>refcount</i>	(Optional) Reference count
TABLE_clients	(Optional) FHRP clients present on interface
<i>client_id</i>	(Optional) FHRP client id
<i>client_name</i>	(Optional) FHRP client name
<i>running</i>	(Optional) Time verify up timer running
<i>expired</i>	(Optional) Verify up timer has expired
<i>v_retries</i>	(Optional) Verify retries
<i>v_time</i>	(Optional) Verify remaining time
<i>r_delay</i>	(Optional) Reload delay
<i>min_delay</i>	(Optional) Min delay
<i>remaining_delay</i>	(Optional) Remaining delay
<i>i_state</i>	(Optional) Interface state
<i>ipv4_state</i>	(Optional) Interface IPv4 state
<i>ipv6_state</i>	(Optional) Interface IPv6 state
<i>h_state</i>	(Optional) Interface hardware state
<i>int_l2</i>	(Optional) Interface is L2-only

Command Mode

- /exec

show file

```
show file <uri0> [ cksum | md5sum | sha256sum | sha512sum ] [ __readonly__ { [ <file_content> ] + [ <file_content_cksum> ] [ <file_content_md5sum> ] [ <file_content_sha256sum> ] [ <file_content_sha512sum> ] } ]
```

Syntax Description

show	Show running system information
file	Displays content of files
<i>uri0</i>	Filename to be displayed
cksum	(Optional) Displays CRC checksum for a file
md5sum	(Optional) Displays MD5 checksum for a file
sha256sum	(Optional) Displays SHA256 checksum for a file
sha512sum	(Optional) Displays SHA512 checksum for a file
<i>__readonly__</i>	(Optional) Read only
<i>file_content</i>	(Optional) uri file content buffer string
<i>file_content_cksum</i>	(Optional) uri file content checksum
<i>file_content_md5sum</i>	(Optional) uri file content md5sum
<i>file_content_sha256sum</i>	(Optional) uri file content sha256sum
<i>file_content_sha512sum</i>	(Optional) uri file content sha512sum

Command Mode

- /exec

show fips status

```
show fips status [ __readonly__ { operation_status <o_status> } { mode_state <m_state> } [ TABLE_sessions
<lc_num> <lc_status> ] ]
```

Syntax Description

show	Show running system information
fips	Show if FIPS mode is enabled or disabled
status	Whether FIPS mode is enabled or disabled
__readonly__	(Optional)
operation_status	(Optional) run-time information about fips
<i>o_status</i>	(Optional) operational status of fips
mode_state	(Optional) mode state
<i>m_state</i>	(Optional) fips or non-fips state
TABLE_sessions	(Optional) all lc status
<i>lc_num</i>	(Optional) the lc number
<i>lc_status</i>	(Optional) the lc status

Command Mode

- /exec

show flogi auto-area-list

show flogi auto-area-list

Syntax Description

show	Show running system information
flogi	Show information about FLOGI
auto-area-list	Show list of ouis that are allocated area.

Command Mode

- /exec

show flogi database

```
show flogi database [ { details | [ fcid <fcid0> ] [ details ] | [ interface <if0> ] [ details ] | [ vsan <i1> ] [ details ] } ]
```

Syntax Description

show	Show running system information
flogi	Show information about FLOGI
database	Show information about FLOGI sessions
details	(Optional) details: shows fcid allocation details
fcid	(Optional) fcid: enter the fcid to be matched
<i>fcid0</i>	(Optional) Enter fcid
details	(Optional) details: shows fcid allocation details
interface	(Optional) interface id: enter the interface id of the port
<i>if0</i>	(Optional) Enter interface id
details	(Optional) details: shows fcid allocation details
vsan	(Optional) vsan id: Enter the vsan number
<i>i1</i>	(Optional) Enter vsan
details	(Optional) details: shows fcid allocation details

Command Mode

- /exec

show flow cache

```
show flow cache [ ipv4 | ipv6 | ce ] [ __readonly__ TABLE_flow_cache <flow-type> <source-ip>
<destination-ip> <bridge-domain-id> <source-port> <destination-port> <protocol> <ipv6-flowlabel>
<byte-count> <packet-count> <tcp-flags> <tos> <if-id> <flow-start> <flow-end> <source-mac>
<destination-mac> <ether-type> ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
cache	Show NetFlow Exporter Cache
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
__readonly__	(Optional)
TABLE_flow_cache	(Optional) The XML flow cache table
<i>flow-type</i>	(Optional) Flow type - v4,v6 or MAC
<i>source-ip</i>	(Optional) Source IP
<i>destination-ip</i>	(Optional) Destination IP
<i>bridge-domain-id</i>	(Optional) Bridge Domain ID
<i>source-port</i>	(Optional) Source Port
<i>destination-port</i>	(Optional) Destination Port
<i>protocol</i>	(Optional) Protocol
<i>ipv6-flowlabel</i>	(Optional) Ipv6 flowlabel
<i>byte-count</i>	(Optional) Byte Count
<i>packet-count</i>	(Optional) Packet Count
<i>tcp-flags</i>	(Optional) TCP Flags
<i>tos</i>	(Optional) TOS
<i>if-id</i>	(Optional) IF ID
<i>flow-start</i>	(Optional) Flow Start Time
<i>flow-end</i>	(Optional) Flow End Time

<i>source-mac</i>	(Optional) Source MAC
<i>destination-mac</i>	(Optional) Destination MAC
<i>ether-type</i>	(Optional) Ether Type

Command Mode

- /exec

show flow cache

```
show flow cache [ ipv4 | ipv6 | ce ] [ __readonly__ ] [ { TABLE_flow_cache <flow-cache-index> [ <flow-type> ] [ <source-ip> ] [ <destination-ip> ] [ <source-mac> ] [ <destination-mac> ] [ <bridge-domain-id> ] [ <ether-type> ] [ <source-port> ] [ <destination-port> ] [ <protocol> ] [ <ipv6-flowlabel> ] [ <byte-count> ] [ <packet-count> ] [ <tcp-flags> ] [ <tos> ] [ <if-id> ] [ <output-if-id> ] [ <flow-start> ] [ <flow-end> ] [ <profile> ] } ] ] ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
cache	Show NetFlow Exporter Cache
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
__readonly__	(Optional)
TABLE_flow_cache	(Optional) The XML flow cache table
<i>flow-cache-index</i>	(Optional) Flow Index
<i>flow-type</i>	(Optional) Flow type - v4,v6 or MAC
<i>source-ip</i>	(Optional) Source IP
<i>destination-ip</i>	(Optional) Destination IP
<i>source-mac</i>	(Optional) Source MAC
<i>destination-mac</i>	(Optional) Destination MAC
<i>bridge-domain-id</i>	(Optional) Bridge Domain ID
<i>ether-type</i>	(Optional) Ether Type
<i>source-port</i>	(Optional) Source Port
<i>destination-port</i>	(Optional) Destination Port
<i>protocol</i>	(Optional) Protocol
<i>ipv6-flowlabel</i>	(Optional) Ipv6 flowlabel
<i>byte-count</i>	(Optional) Byte Count
<i>packet-count</i>	(Optional) Packet Count
<i>tcp-flags</i>	(Optional) TCP Flags

<i>tos</i>	(Optional) TOS
<i>if-id</i>	(Optional) IF ID
<i>output-if-id</i>	(Optional) OUTPUT IF ID
<i>flow-start</i>	(Optional) Flow Start Time
<i>flow-end</i>	(Optional) Flow End Time
<i>profile</i>	(Optional) Profile

Command Mode

- /exec

show flow event

```
show flow event [ name ] [ { <eventname> } ] [ __readonly__ [ { TABLE_nfm_event <event> [ <description>
] <use_count> [ { TABLE_nfm_group <events> [ <buffer_drops> ] [ <fwd_drops> ] [ <acl_drops> ] [
<flow_count> ] [ <latency_threshold> ] [ <latency_unit> ] [ <latency_flow_count> ] [ <rcv_window_zero>
] [ <ip_df> ] [ <tos_value> ] [ <ttl_value> ] [ <max_burst_value> } ] } ] ] ]
```

Syntax Description

<code>show</code>	Show running system information
<code>flow</code>	Show Analytics information
<code>event</code>	Show Event Configuration
<code>name</code>	(Optional) Show the configuration for a specific Event
<code>eventname</code>	(Optional) Specify a event
<code>__readonly__</code>	(Optional)
<code>TABLE_nfm_event</code>	(Optional) Event Table
<code>event</code>	(Optional) Analytics event
<code>description</code>	(Optional) Description of Analytics event
<code>use_count</code>	(Optional) Use count of Analytics event
<code>TABLE_nfm_group</code>	(Optional)
<code>events</code>	(Optional) Drop or Latency type of events
<code>buffer_drops</code>	(Optional) Capture buffer-drops
<code>fwd_drops</code>	(Optional) Capture fwd-drops
<code>acl_drops</code>	(Optional) Capture acl-drops
<code>flow_count</code>	(Optional) Drop type flow count
<code>latency_threshold</code>	(Optional) Latency threshold value
<code>latency_unit</code>	(Optional) Unit for latency threshold measurement
<code>latency_flow_count</code>	(Optional) Latency type flow count
<code>rcv_window_zero</code>	(Optional) Capture Receive Window Zero events
<code>ip_df</code>	(Optional) Capture IpDf events
<code>tos_value</code>	(Optional) Type of Service value
<code>ttl_value</code>	(Optional) Time To Live value

<i>max_burst_value</i>	(Optional) Max Burst value
------------------------	----------------------------

Command Mode

- /exec

show flow exporter

```
show flow exporter [ name ] [ <exporter> ] [ __readonly__ { TABLE_flow_exporter <exporter> [ <description>
] [ <dest_intf> ] [ <dest> ] [ <vrf> ] [ <vrf_id> ] [ <vrf_resolved> ] [ <dest_udp> ] [ <events_dest_udp> ] [
<source_intf> ] [ <source_ip> ] [ <dscp> ] [ <exp_vers> ] [ <seqnum> ] [ <samp_table_to> ] [ <if_table_to>
] [ <stats_to> ] [ <temp_to> ] [ <rec_sent> ] [ <temp_sent> ] [ <pkts_sent> ] [ <bytes_sent> ] [ <dest_unreach>
] [ <buff_events> ] [ <pkts_drop_no_route> ] [ <pkts_drop_other> ] [ <pkts_drop_lc_rp> ] [
<pkts_drop_op_drops> ] [ <time_last_cleared> ] } ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
exporter	Show NetFlow Exporter Configuration and Statistics
name	(Optional) Show a specific Flow Exporter
<i>exporter</i>	(Optional) Specify an exporter
<i>__readonly__</i>	(Optional)
TABLE_flow_exporter	(Optional)
<i>exporter</i>	(Optional)
<i>description</i>	(Optional)
<i>dest_intf</i>	(Optional)
<i>dest</i>	(Optional)
<i>vrf</i>	(Optional)
<i>vrf_id</i>	(Optional)
<i>vrf_resolved</i>	(Optional)
<i>dest_udp</i>	(Optional)
<i>events_dest_udp</i>	(Optional)
<i>source_intf</i>	(Optional)
<i>source_ip</i>	(Optional)
<i>dscp</i>	(Optional)
<i>seqnum</i>	(Optional)
<i>exp_vers</i>	(Optional)
<i>samp_table_to</i>	(Optional)

<i>if_table_to</i>	(Optional)
<i>stats_to</i>	(Optional)
<i>temp_to</i>	(Optional)
<i>rec_sent</i>	(Optional)
<i>temp_sent</i>	(Optional)
<i>pkts_sent</i>	(Optional)
<i>bytes_sent</i>	(Optional)
<i>dest_unreach</i>	(Optional)
<i>buff_events</i>	(Optional)
<i>pkts_drop_no_route</i>	(Optional)
<i>pkts_drop_other</i>	(Optional)
<i>pkts_drop_lc_rp</i>	(Optional)
<i>pkts_drop_op_drops</i>	(Optional)
<i>time_last_cleared</i>	(Optional)

Command Mode

- /exec

show flow filter

```
show flow filter [ __readonly__ [ { TABLE_flow_filter <name> <ipv4acl> <ipv6acl> } ] ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
filter	Show filter Configuration
__readonly__	(Optional)
TABLE_flow_filter	(Optional) flow filter data
<i>name</i>	(Optional) Filter Name
<i>ipv4acl</i>	(Optional) IPv4 ACL
<i>ipv6acl</i>	(Optional) IPv4 ACL

Command Mode

- /exec

show flow interface

```
show flow { interface [ <intf> ] | vlan [ <vlan> ] } [ __readonly__ [ { TABLE_flow_interface [ <intf_name> ] [ <vlan_id> ] [ <filter> ] [ <v4in_mon_name> ] [ <v4in_direction> ] [ <v4in_profile_id> ] [ <v6in_mon_name> ] [ <v6in_direction> ] [ <v6in_profile_id> ] [ <l2in_mon_name> ] [ <l2in_direction> ] [ <l2in_profile_id> ] } ] ] }
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
interface	Flow interface information
<i>intf</i>	(Optional) Interface
vlan	Flow vlan information
<i>vlan</i>	(Optional) Vlan number
<i>__readonly__</i>	(Optional)
TABLE_flow_interface	(Optional) flow interface data
<i>intf_name</i>	(Optional) Interface
<i>vlan_id</i>	(Optional) VLAN ID
<i>filter</i>	(Optional) Filter name
<i>v4in_mon_name</i>	(Optional) IPv4 Input monitor name
<i>v4in_direction</i>	(Optional) IPv4 Input direction
<i>v4in_profile_id</i>	(Optional) IPv4 Input profile id
<i>v6in_mon_name</i>	(Optional) IPv6 Input monitor name
<i>v6in_direction</i>	(Optional) IPv6 Input direction
<i>v6in_profile_id</i>	(Optional) IPv6 Input profile id
<i>l2in_mon_name</i>	(Optional) l2 Input monitor name
<i>l2in_direction</i>	(Optional) l2 Input direction
<i>l2in_profile_id</i>	(Optional) l2 Input profile id

Command Mode

- /exec

show flow monitor

```
show flow monitor [ name ] [ <monitor> [ cache [ detailed ] ] ] [ __readonly__ [ { TABLE_flow_monitor
<monitor> [ <description> ] <use_count> [ <record> ] [ <bucket_id> ] [ <exporter1> ] [ <exporter2> ] [
<src_addr> ] [ <dest_addr> ] [ <direction> ] [ <pkt_count> ] [ <byte_count> } ] ] ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
monitor	Show Monitor Configuration
name	(Optional) Show a specific Flow Monitor
<i>monitor</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
<i>__readonly__</i>	(Optional)
TABLE_flow_monitor	(Optional)
<i>monitor</i>	(Optional)
<i>use_count</i>	(Optional)
<i>description</i>	(Optional)
<i>record</i>	(Optional)
<i>exporter1</i>	(Optional)
<i>exporter2</i>	(Optional)
<i>bucket_id</i>	(Optional)
<i>src_addr</i>	(Optional)
<i>dest_addr</i>	(Optional)
<i>direction</i>	(Optional)
<i>pkt_count</i>	(Optional)
<i>byte_count</i>	(Optional)

Command Mode

- /exec

show flow profile

```
show flow profile [ <profile> ] [ __readonly__ [ { TABLE_flow_profile <name> [ <desc> ] <number-of-users>
<export-intvl> <source-port> <packet-id-shift> <burst-intvl-shift> <mtu> [ <guess-threshold-lo> ] [
<guess-threshold-hi> } ] [ { TABLE_payload_bin <payload-bin-num> <payload-bin-lo> <payload-bin-hi> }
] [ { TABLE_tcpopthdr_bin <tcpopthdr-bin-num> <tcpopthdr-bin-lo> <tcpopthdr-bin-hi> } ] [ {
TABLE_rcvwinsize_bin <rcvwinsize-bin-num> <rcvwinsize-bin-lo> <rcvwinsize-bin-hi> } ] ] ] ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
profile	Show profile Configuration
<i>profile</i>	(Optional) Specify a profile
<i>__readonly__</i>	(Optional)
TABLE_flow_profile	(Optional) HW flow profile
<i>name</i>	(Optional) HW profile name
<i>desc</i>	(Optional) Description of HW profile
<i>number-of-users</i>	(Optional) No. of users
<i>export-intvl</i>	(Optional) Export Interval
<i>source-port</i>	(Optional) Source Port
<i>packet-id-shift</i>	(Optional) IP Packet ID Shift
<i>burst-intvl-shift</i>	(Optional) Burst Interval Shift
<i>mtu</i>	(Optional) MTU
<i>guess-threshold-lo</i>	(Optional) Sequence Number Guess Threshold Lo
<i>guess-threshold-hi</i>	(Optional) Sequence Number Guess Threshold Hi
TABLE_payload_bin	(Optional) Payload Bin
<i>payload-bin-num</i>	(Optional) Bin Number
<i>payload-bin-lo</i>	(Optional) Bin Lo
<i>payload-bin-hi</i>	(Optional) Bin Hi
TABLE_tcpopthdr_bin	(Optional) TCP Opt Hdr Bin
<i>tcpopthdr-bin-num</i>	(Optional) Bin Number
<i>tcpopthdr-bin-lo</i>	(Optional) Bin Lo

<i>tcpopthdr-bin-hi</i>	(Optional) Bin Hi
TABLE_rcvwinsize_bin	(Optional) Receive Windows Size Bin
<i>rcvwinsize-bin-num</i>	(Optional) Bin Number
<i>rcvwinsize-bin-lo</i>	(Optional) Bin Lo
<i>rcvwinsize-bin-hi</i>	(Optional) Bin Hi

Command Mode

- /exec

show flow record

```

show flow record [ name ] [ { <record> } | { netflow-original } | { netflow { protocol-port | layer2-switched
{ input } | { ipv4 | ipv6 | l2 } { original-input } } } ] [ __readonly__ [ { TABLE_flow_record <record> [
<description> ] <use_count> <template> [ <match_ip_src> ] [ <match_ip_dst> ] [ <match_proto> ] [
<match_tos> ] [ <match_l4_src> ] [ <match_l4_dst> ] [ <match_ingress> ] [ <match_egress> ] [
<match_src_as_peer> ] [ <match_dst_as_peer> ] [ <match_ipv6_src> ] [ <match_ipv6_dst> ] [
<match_ipv6_flow> ] [ <match_ipv6_option> ] [ <match_ipv6_traffic> ] [ <match_l2_src> ] [ <match_l2_dst>
] [ <match_l2_src_vlan> ] [ <match_l2_dst_vlan> ] [ <match_l2_lq> ] [ <match_l2_cos> ] [ <match_l2_etype>
] [ <match_flow_dir_match> ] [ <match_ipv4v6_src> ] [ <match_ipv4v6_dst> ] [ <collect_src_as> ] [
<collect_dst_as> ] [ <collect_src_as_peer> ] [ <collect_dst_as_peer> ] [ <collect_fwd_status> ] [
<collect_ipv4_next_hop> ] [ <collect_ipv4_bgp_next> ] [ <collect_ipv6_next_hop> ] [
<collect_ipv6_bgp_next> ] [ <collect_tcp_flags> ] [ <collect_flow_dir> ] [ <collect_bytes> ] [
<collect_bytes_long> ] [ <collect_packets> ] [ <collect_packets_long> ] [ <collect_time_first> ] [
<collect_time_last> ] [ <collect_ingress_coll> ] [ <collect_egress_coll> ] [ <collect_sampler_id> ] [
<collect_ip_ver> ] [ <collect_packet_disp> ] } ] ] ] ] ]

```

Syntax Description

show	Show running system information
flow	Show NetFlow information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific Flow Record
<i>record</i>	(Optional) Specify a record
netflow-original	(Optional) Traditional IPv4 input NetFlow with origin ASs
netflow	(Optional) Traditional NetFlow collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input NetFlow
input	(Optional) Input NetFlow
protocol-port	(Optional) Protocol and Ports aggregation scheme
__readonly__	(Optional)
TABLE_flow_record	(Optional) flow record data
<i>record</i>	(Optional)
<i>description</i>	(Optional)

<i>use_count</i>	(Optional)
<i>template</i>	(Optional)
<i>match_ip_src</i>	(Optional)
<i>match_ip_dst</i>	(Optional)
<i>match_proto</i>	(Optional)
<i>match_tos</i>	(Optional)
<i>match_l4_src</i>	(Optional)
<i>match_l4_dst</i>	(Optional)
<i>match_ingress</i>	(Optional)
<i>match_egress</i>	(Optional)
<i>match_src_as_peer</i>	(Optional)
<i>match_dst_as_peer</i>	(Optional)
<i>match_ipv6_src</i>	(Optional)
<i>match_ipv6_dst</i>	(Optional)
<i>match_ipv6_flow</i>	(Optional)
<i>match_ipv6_option</i>	(Optional)
<i>match_ipv6_traffic</i>	(Optional)
<i>match_l2_src</i>	(Optional)
<i>match_l2_dst</i>	(Optional)
<i>match_l2_src_vlan</i>	(Optional)
<i>match_l2_dst_vlan</i>	(Optional)
<i>match_l2_lq</i>	(Optional)
<i>match_l2_cos</i>	(Optional)
<i>match_l2_etype</i>	(Optional)
<i>match_flow_dir_match</i>	(Optional)
<i>match_ipv4v6_src</i>	(Optional)
<i>match_ipv4v6_dst</i>	(Optional)
<i>collect_src_as</i>	(Optional)
<i>collect_dst_as</i>	(Optional)

<i>collect_src_as_peer</i>	(Optional)
<i>collect_dst_as_peer</i>	(Optional)
<i>collect_fwd_status</i>	(Optional)
<i>collect_ipv4_next_hop</i>	(Optional)
<i>collect_ipv4_bgp_next</i>	(Optional)
<i>collect_ipv6_next_hop</i>	(Optional)
<i>collect_ipv6_bgp_next</i>	(Optional)
<i>collect_tcp_flags</i>	(Optional)
<i>collect_flow_dir</i>	(Optional)
<i>collect_bytes</i>	(Optional)
<i>collect_bytes_long</i>	(Optional)
<i>collect_packets</i>	(Optional)
<i>collect_packets_long</i>	(Optional)
<i>collect_time_first</i>	(Optional)
<i>collect_time_last</i>	(Optional)
<i>collect_ingress_coll</i>	(Optional)
<i>collect_egress_coll</i>	(Optional)
<i>collect_sampler_id</i>	(Optional)
<i>collect_ip_ver</i>	(Optional)
<i>collect_packet_disp</i>	(Optional)

Command Mode

- /exec

show flow rtp

```
show flow rtp { errors { active | history } | details } [ ipv4 | ipv6 ] [ __readonly__ [ <flow-timeout> ] [ {
TABLE_flow_rtp <flow-rtp-index> [ <flow-type> ] [ <source-ip> ] [ <destination-ip> ] [ <bridge-domain-id>
] [ <source-port> ] [ <destination-port> ] [ <protocol> ] [ <packet-count> ] [ <bytes-per-sec> ] [ <bits-per-sec>
] [ <start-time> ] [ <if-name> ] [ <vrf-name> ] [ { TABLE_flow_rtp_errors <loss-start> [ <loss-end> ] [
<packet-loss> ] } } ] ] ] ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
rtp	Real-time Transport Protocol
errors	Show NetFlow RTP flows error information
active	Show RTP flows with active losses
history	Show RTP flows with loss history
details	Show NetFlow RTP detailed information
ipv4	(Optional) Show ipv4 RTP entries
ipv6	(Optional) Show ipv6 RTP entries
__readonly__	(Optional)
TABLE_flow_rtp	(Optional) The XML flow rtp table
<i>flow-timeout</i>	(Optional) Flow Timeout
<i>flow-rtp-index</i>	(Optional) Flow RTP Index
<i>flow-type</i>	(Optional) Flow type - v4,v6
<i>source-ip</i>	(Optional) Source IP
<i>destination-ip</i>	(Optional) Destination IP
<i>bridge-domain-id</i>	(Optional) Bridge Domain ID
<i>source-port</i>	(Optional) Source Port
<i>destination-port</i>	(Optional) Destination Port
<i>protocol</i>	(Optional) Protocol
<i>packet-count</i>	(Optional) Packet Count
<i>bytes-per-sec</i>	(Optional) Bytes Per Second
<i>bits-per-sec</i>	(Optional) Bits Per Second

<i>start-time</i>	(Optional) Flow Start Time
<i>if-name</i>	(Optional) IF/Vlan
<i>vrf-name</i>	(Optional) VRF
TABLE_flow_rtp_errors	(Optional) The XML flow rtp errors table
<i>loss-start</i>	(Optional) Loss Start Time
<i>loss-end</i>	(Optional) Loss End Time
<i>packet-loss</i>	(Optional) Packet loss

Command Mode

- /exec

show flow rtp timeout

show flow rtp timeout [__readonly__ { <flush_cache_to> }]

Syntax Description

show	Show running system information
flow	Show NetFlow information
rtp	Real-time Transport Protocol
timeout	Show NetFlow RTP flow error monitoring timeout values
__readonly__	(Optional)
<i>flush_cache_to</i>	(Optional)

Command Mode

- /exec

show flow system

```
show flow system [ __readonly__ <system_exporter_id> [ <switch_latency> ] [ { TABLE_flow_interface [
<intf_name> ] [ <exporter_id> ] [ <profile_name> ] [ <v4in_mon_name> ] [ <v4in_direction> ] [
<v6in_mon_name> ] [ <v6in_direction> ] [ <filter_name> ] [ <event_name> ] [ <ipv4_hit> ] [ <ipv4_create>
] [ <ipv6_hit> ] [ <ipv6_create> ] [ <ce_hit> ] [ <ce_create> ] [ <packets_seen> ] [ <skip_collect> ] [
<export_count> ] } ] ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
system	Show system Configuration
<i>__readonly__</i>	(Optional)
<i>system_exporter_id</i>	(Optional) System Exporter ID
<i>switch_latency</i>	(Optional) System Switch Latency Enabled
TABLE_flow_interface	(Optional) flow interface data
<i>intf_name</i>	(Optional) Interface
<i>exporter_id</i>	(Optional) Exporter ID
<i>profile_name</i>	(Optional) HW Profile Name
<i>v4in_mon_name</i>	(Optional) IPv4 Input monitor name
<i>v4in_direction</i>	(Optional) IPv4 Input direction
<i>v6in_mon_name</i>	(Optional) IPv6 Input monitor name
<i>v6in_direction</i>	(Optional) IPv6 Input direction
<i>filter_name</i>	(Optional) User Filter Name
<i>event_name</i>	(Optional) User Event name
<i>ipv4_hit</i>	(Optional) Number of packets that hit an Ipv4 hash entry
<i>ipv4_create</i>	(Optional) Number of packets that created a new Ipv4 hash entry
<i>ipv6_hit</i>	(Optional) Number of packets that hit an Ipv6 hash entry
<i>ipv6_create</i>	(Optional) Number of packets that created a new Ipv6 hash entry
<i>ce_hit</i>	(Optional) Number of packets that hit an ce hash entry
<i>ce_create</i>	(Optional) Number of packets that created a new ce hash entry
<i>packets_seen</i>	(Optional) Number of packets seen

<i>skip_collect</i>	(Optional) Number of packets that skipped the analytics collect
<i>export_count</i>	(Optional) Number of Analytics packets exported

Command Mode

- /exec

show flow timeout

```
show flow timeout [ __readonly__ [ <active_to> ] [ <inactive_to> ] [ <fast_to> ] [ <th_pkts> ] [ <agg_age_to> ]
] [ <flush_cache_to> ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
timeout	Show NetFlow flow cache timeout values
<i>__readonly__</i>	(Optional)
<i>active_to</i>	(Optional)
<i>inactive_to</i>	(Optional)
<i>fast_to</i>	(Optional)
<i>th_pkts</i>	(Optional)
<i>agg_age_to</i>	(Optional)
<i>flush_cache_to</i>	(Optional)

Command Mode

- /exec

show flow tracer

```
show flow tracer [ __readonly__ [ { TABLE_flow_tracer <flow-tracer-index> [ <source-ip> ] [ <destination-ip>
] [ <bridge-domain-id> ] [ <source-port> ] [ <destination-port> ] [ <protocol> ] [ <packet-count> ] [ <if-name>
] [ <fwd-drop> ] [ <rpf-fail> ] [ <policing-drop> ] [ <ids-drop> ] [ <policy-drop> ] [ <buffer-drop> ] } ] ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
tracer	Show packet tracer information
__readonly__	(Optional)
TABLE_flow_tracer	(Optional)
<i>flow-tracer-index</i>	(Optional) Flow Index
<i>source-ip</i>	(Optional) Source IP
<i>destination-ip</i>	(Optional) Destination IP
<i>bridge-domain-id</i>	(Optional) Bridge Domain ID
<i>source-port</i>	(Optional) Source Port
<i>destination-port</i>	(Optional) Destination Port
<i>protocol</i>	(Optional) Protocol
<i>packet-count</i>	(Optional) Packet Count
<i>if-name</i>	(Optional) Ingress Interface
<i>fwd-drop</i>	(Optional) Forwarding Drops
<i>rpf-fail</i>	(Optional) RPF Port Sec Failures
<i>policing-drop</i>	(Optional) Policing Drops
<i>ids-drop</i>	(Optional) Ids Drops
<i>policy-drop</i>	(Optional) ACL Drops
<i>buffer-drop</i>	(Optional) Buffer Drops

Command Mode

- /exec

show flow vrf

```
show flow vrf [ <vrf_name> ] [ __readonly__ [ { TABLE_flow_vrf [ <vrf_name> ] [ <v4in_mon_name> ] [ <v4in_direction> ] [ <v6in_mon_name> ] [ <v6in_direction> ] [ <filter_name> ] } ] ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
vrf	Show VRF Configuration
<i>vrf_name</i>	(Optional) Specify a vrf
<i>__readonly__</i>	(Optional)
<i>TABLE_flow_vrf</i>	(Optional) flow vrf data
<i>vrf_name</i>	(Optional) VRF name
<i>v4in_mon_name</i>	(Optional) IPv4 Input monitor name
<i>v4in_direction</i>	(Optional) IPv4 Input direction
<i>v6in_mon_name</i>	(Optional) IPv6 Input monitor name
<i>v6in_direction</i>	(Optional) IPv6 Input direction
<i>filter_name</i>	(Optional) User Filter Name

Command Mode

- /exec

show forwarding

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ ipv4 ] [ route |
rnhdb ] [ recursive ] [ summary | [ [ detail | platform | partial | ipsg ] [ max-display-count <display_count> ]
] | [ <prefix> [ longer-prefixes ] [ detail | platform ] | <address> [ detail | platform ] |
```

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table id in hex
ipv4	(Optional) ipv4
route	(Optional) display IP routing table
ipsg	(Optional) display IPv4 IPSG routes
rnhdb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
recursive	(Optional) display routes with recursive next hops
partial	(Optional) display routes with partial ECMPs
summary	(Optional) display route counts
<i>prefix</i>	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
<i>address</i>	(Optional) display single longest match route
detail	(Optional) show detailed information about the routes
platform	(Optional) one command to show pi and pd info together
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count

Command Mode

- /exec

show forwarding adjacency

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ipv4 ] adjacency [ mpls ] [ lisp ] [
nve ] [ <aif> ] [ <anh> ] [ detail | stats | platform ] [ module <module> ] [ __readonly__ [ <adj-count> ] [
TABLE_adj { [ <fec> ] [ <nexthop> ] [ <intf> ] [ <rewinfo> ] [ <interface> ] [ <bgp_rnh> ] [ <bgp_orig_as> ]
] [ <bgp_peer_as> ] [ <pkts> ] [ <bytes> ] [ <exp> ] [ <src_addr> ] [ <dest_addr> ] [ <lisp_flags> ] [
<lisp_inst_id> ] [ <pltfm_key> ] [ <hh> ] [ <refcount> } ] [ TABLE_ip_adjacency { [ <nh> ] [ <rwinfo> ]
] [ <intf> ] [ <intf_idx> ] [ <hhandle> ] [ <refcnt> ] [ <flags> ] [ <holder> ] [ <pbr_cnt> ] [ <wccp_cnt> ] [
<rewrite-p> ] [ TABLE_index { [ <hw_adj> ] [ <cmn-idx> ] [ <lif> ] [ <buf-idx> } ] } ] ] ]
```

Syntax Description

show	
forwarding	display fib information
ipv4	(Optional) ipv4
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
mpls	(Optional) mpls adjacency information
lisp	(Optional) LISP adjacency information
nve	(Optional) VxLAN tunnel adjacency information
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next hop
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>adj-count</i>	(Optional) total adj count
TABLE_adj	(Optional) Table Adjacency
<i>fec</i>	(Optional) FEC info

<i>nexthop</i>	(Optional) next hop address
<i>intf</i>	(Optional) output interface
<i>rewinfo</i>	(Optional) rewrite information
<i>interface</i>	(Optional) output interface
<i>bgp_rnh</i>	(Optional) next hop address
<i>bgp_orig_as</i>	(Optional) bgp orig as
<i>bgp_peer_as</i>	(Optional) bgp peer as
<i>exp</i>	(Optional) exp mapping
<i>pkts</i>	(Optional) packet stats
<i>bytes</i>	(Optional) bytes stats
<i>src_addr</i>	(Optional) src address
<i>dest_addr</i>	(Optional) dest address
<i>lisp_flags</i>	(Optional) lisp flags
<i>lisp_inst_id</i>	(Optional) lisp instance id
<i>pltfm_key</i>	(Optional) platform key
<i>hh</i>	(Optional) Hardware Handle
<i>refcount</i>	(Optional) reference count
TABLE_ip_adjacency	(Optional) Table ip adjacency
<i>nh</i>	(Optional) next hop address
<i>rwinfo</i>	(Optional) rewrite information
<i>intf</i>	(Optional) output interface
<i>intf_idx</i>	(Optional) Interface index
<i>hhandle</i>	(Optional) Hw Handle
<i>refcnt</i>	(Optional) reference count
<i>flags</i>	(Optional) Adjacency flags
<i>holder</i>	(Optional) Holder bitmap
<i>pbr_cnt</i>	(Optional) PBR count
<i>wccp_cnt</i>	(Optional) WCCP count
<i>rewrite-p</i>	(Optional) Rewrite pointer

TABLE_index	(Optional) HW index table
<i>hw_adj</i>	(Optional) v4 adj hw index
<i>cmn-idx</i>	(Optional) CMN Index
<i>lif</i>	(Optional) LIF
<i>buf-idx</i>	(Optional) Buffer index

Command Mode

- /exec

show forwarding consistency-fretta l2

show forwarding consistency-fretta l2 <module>

Syntax Description

show	Show running system information
forwarding	Forwarding information
consistency-fretta	consistency
l2	Verify l2 mac programming in the hardware
<i>module</i>	Enter module number

Command Mode

- /exec

show forwarding distribution clients

show forwarding distribution clients [__readonly__ <id><pid><name><shms><shme><shmn>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
clients	unicast client information
__readonly__	(Optional)

Command Mode

- /exec

show forwarding distribution evpn storm-control

```
show forwarding distribution evpn storm-control [ __readonly__ <header> [ TABLE_storm_control_level
<type> <status> <level> ] [ TABLE_interface_bandwidth <interface> <type> <bandwidth> ] [
TABLE_total_bandwidth <type> <bandwidth> ] ]
```

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
evpn	evpn distribution info
storm-control	storm-control information
<i>__readonly__</i>	(Optional)
<i>header</i>	(Optional) Header
TABLE_storm_control_level	(Optional) Table storm control level
<i>type</i>	(Optional) Traffic type
<i>status</i>	(Optional) Status
<i>level</i>	(Optional) Level
TABLE_interface_bandwidth	(Optional) Table interface bandwidth
<i>interface</i>	(Optional) Interface
<i>type</i>	(Optional) Type
<i>bandwidth</i>	(Optional) Bandwidth
TABLE_total_bandwidth	(Optional) Table total bandwidth
<i>type</i>	(Optional) Type
<i>bandwidth</i>	(Optional) Bandwidth

Command Mode

- /exec

show forwarding distribution fib-state

```
show forwarding distribution fib-state [ __readonly__ <slot> <state><ttc><tprc><tv4ac><tv6ac> {
TABLE_fib_state <tid><tafi><prc><pc><tname> } ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
fib-state	unicast fib state info
__readonly__	(Optional)
<i>slot</i>	(Optional) slot number
TABLE_fib_state	(Optional) fib-state table

Command Mode

- /exec

show forwarding distribution ip igmp snooping

```
show forwarding distribution ip igmp snooping [ vlan <vlan-id> [ group [ <grpaddr> | <mac-grpaddr> ] [
source <srcaddr> ] ] ] [ detail ] [ __readonly__ <refcount> <oiflist_id> <last_oiflist_id> <ftag-id> ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	IPV4 information
igmp	MFDM IGMP information
snooping	L2 mcast snooping related information
vlan	(Optional) Info specific to a vlan
<i>vlan-id</i>	(Optional) Vlan id value
group	(Optional) Group specific information
<i>grpaddr</i>	(Optional) Group address
<i>mac-grpaddr</i>	(Optional) Group MAC address
source	(Optional) (G,S) specific information
<i>srcaddr</i>	(Optional) Source address
detail	(Optional) Detailed display
<i>__readonly__</i>	(Optional)
<i>refcount</i>	(Optional) Reference Count
<i>oiflist_id</i>	(Optional) OIF list Identifier
<i>last_oiflist_id</i>	(Optional) Last OIF list Identifier
<i>ftag-id</i>	(Optional) ftag Id

Command Mode

- /exec

show forwarding distribution ipv6 multicast route

```
show forwarding distribution ipv6 multicast route [ table <table_id> | vrf { <vrf-name> | all } ] [ [ group { <group> } ] [ source { <source> } ] ] | summary ] [ __readonly__ TABLE_vrf [ <vrf-name> ] [ <table-name> ] [ <table-id> ] [ <total-num-groups> ] [ TABLE_route_summary [ <vrf-name> ] [ <total-num-routes> ] [ <num-star-g-route> ] [ <num-sg-route> ] [ <num-star-g-prfx> ] [ <num-group-count> ] ] [ TABLE_one_route [ <source-addr> ] [ <source-len> ] [ <group-addr> ] [ <group-len> ] [ <df-ordinal> ] [ <rpf-intf> ] [ <flags> ] [ <upstream-addr> ] [ <stats-pkts> ] [ <stats-bytes> ] [ <oif-count> ] [ <oiflist-index> ] [ TABLE_oif [ <oif-name> ] [ <mti-src-intf> ] [ <mti-grp-ip> ] [ <mti-src-ip> ] ] ] ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	display fib distribution information
ipv6	IPV6 related information
multicast	display IPv6 multicast information
route	display routing table
vrf	(Optional) display routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
all	(Optional) Display information for all VRFs
table	(Optional) table
<i>table_id</i>	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	(Optional) display route counts
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>table-name</i>	(Optional)
<i>table-id</i>	(Optional)
<i>total-num-groups</i>	(Optional)
TABLE_route_summary	(Optional)
<i>total-num-routes</i>	(Optional)

<i>num-star-g-route</i>	(Optional)
<i>num-sg-route</i>	(Optional)
<i>num-star-g-prfx</i>	(Optional)
<i>num-group-count</i>	(Optional)
TABLE_one_route	(Optional)
<i>source-addr</i>	(Optional)
<i>source-len</i>	(Optional)
<i>group-addr</i>	(Optional)
<i>group-len</i>	(Optional)
<i>df-ordinal</i>	(Optional)
<i>rpf-intf</i>	(Optional)
<i>flags</i>	(Optional)
<i>stats-pkts</i>	(Optional)
<i>stats-bytes</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>oiflist-index</i>	(Optional)
TABLE_oif	(Optional)
<i>oif-name</i>	(Optional)
<i>mti-src-intf</i>	(Optional)
<i>mti-grp-ip</i>	(Optional)
<i>mti-src-ip</i>	(Optional)

Command Mode

- /exec

show forwarding distribution l2 multicast

```
show forwarding distribution l2 multicast [ ip-based | mac-based ] [ [ vni <vni-id> ] | [ vlan <vlan-id> [ {
group { <grpaddr> | <v6grpaddr> } [ source { <srcaddr> | <v6srcaddr> } } ] | destination-mac <dmac> ] ] ]
[ summary ] [ __readonly__ [ TABLE_sum [ <mode> ] [ <num_vlan> ] [ <num_starg> ] [ <num_sg> ] [
<num_aggstarg> ] [ TABLE_sum_info [ <ftag_id> ] [ <vlan_id> ] [ <routable_flag> ] [ <v6_routable_flag>
] [ <num_starg> ] [ <num_sg> ] [ <num_aggstarg> ] [ <total_route> ] ] ] [ TABLE_route [ <vlan> ] [ <grp_str>
] [ <v6grp_str> ] [ <src_str> ] [ <v6src_str> ] [ <grp_mac> ] [ <src_mac> ] [ TABLE_oif [ <oiflist_id> ] [
<refcount> ] [ <l3_usage> ] [ <plt_index> ] [ <num_oif> ] [ <oif_name> ] [ <flags> ] [ <dvif> ] ] ] ] ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
l2	L2 information
multicast	L2 multicast information
ip-based	(Optional) IPv4 based
mac-based	(Optional) MAC based
vlan	(Optional) Info specific to a vlan
<i>vlan-id</i>	(Optional) Vlan id value
vni	(Optional) Info specific to a vni
<i>vni-id</i>	(Optional) Vni id value
group	(Optional) Group specific information
<i>grpaddr</i>	(Optional) Group address
source	(Optional) (G,S) specific information
<i>srcaddr</i>	(Optional) Source address
destination-mac	(Optional) Destination MAC specific information
<i>dmac</i>	(Optional) Destination MAC address
summary	(Optional) display route counts
<i>__readonly__</i>	(Optional)
TABLE_sum	(Optional)
<i>mode</i>	(Optional) Mode
<i>num_vlan</i>	(Optional) Num of VLAN

<i>num_starg</i>	(Optional) Num of Starg routes
<i>num_sg</i>	(Optional) Num of SG routes
<i>num_aggstarg</i>	(Optional) Num of Aggregated Starg routes
TABLE_sum_info	(Optional)
<i>vlan_id</i>	(Optional) vlan id
<i>ftag_id</i>	(Optional) ftag id
<i>routable_flag</i>	(Optional) Routable flag
<i>v6_routable_flag</i>	(Optional) Routable flag
<i>num_starg</i>	(Optional) Num of starg routes
<i>num_sg</i>	(Optional) Num of sg routes
<i>num_aggstarg</i>	(Optional) Num of Aggregated Starg routes
<i>total_route</i>	(Optional) Total Routes
TABLE_route	(Optional)
<i>vlan</i>	(Optional) vlan
<i>grp_str</i>	(Optional) Group Address
<i>v6grp_str</i>	(Optional) v6 Group address
<i>src_str</i>	(Optional) Source Address
<i>v6src_str</i>	(Optional) v6 Group address
<i>grp_mac</i>	(Optional) Group Mac
<i>src_mac</i>	(Optional) Source Mac
TABLE_oif	(Optional)
<i>oiflist_id</i>	(Optional) oiflist index
<i>refcount</i>	(Optional) reference count
<i>l3_usage</i>	(Optional) l3 usage
<i>plt_index</i>	(Optional) platform index
<i>num_oif</i>	(Optional) Num of outgoing interface
<i>oif_name</i>	(Optional) Oif details
<i>flags</i>	(Optional)
<i>dvif</i>	(Optional)

Command Mode

- /exec

show forwarding distribution lisp counters

show forwarding distribution lisp counters [*__readonly__* <count>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution information
lisp	for lisp application
counters	counters
<i>__readonly__</i>	(Optional)
<i>count</i>	(Optional) count

Command Mode

- /exec

show forwarding distribution lisp vrf enabled

```
show forwarding distribution lisp vrf enabled [ __readonly__ { TABLE_lisp_vrf_enabled <vrf> <lisp_enabled>
<req_id> <operation> } ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution information
lisp	for lisp application
vrf	vrf
enabled	enabled
<i>__readonly__</i>	(Optional)
TABLE_lisp_vrf_enabled	(Optional)
<i>vrf</i>	(Optional) vrf key
<i>lisp_enabled</i>	(Optional) lisp enabled status
<i>req_id</i>	(Optional) req id
<i>operation</i>	(Optional) operation

Command Mode

- /exec

show forwarding distribution multicast

```
show forwarding distribution multicast [ messages ] [ __readonly__ <num_accepting_routes> <slot> <fibstate> ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
messages	(Optional) Outstanding Message Information
<i>__readonly__</i>	(Optional)
<i>num_accepting_routes</i>	(Optional) Number of fibs accepting routes
<i>slot</i>	(Optional) Slot
<i>fibstate</i>	(Optional) IP Multicast FIB process state

Command Mode

- /exec

show forwarding distribution multicast client-ack-db

```
show forwarding distribution multicast client-ack-db [ __readonly__ <xid> <num_recepients> <num_responses>
]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
client-ack-db	Displays the client ack db
<i>__readonly__</i>	(Optional)
<i>xid</i>	(Optional) XID
<i>num_recepients</i>	(Optional) Number of recepients
<i>num_responses</i>	(Optional) Number of responses

Command Mode

- /exec

show forwarding distribution multicast client

show forwarding distribution multicast client [*__readonly__* <num-clients> <client-name> <client-id> <shmem-name>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
client	Show multicast distribution client information
<i>__readonly__</i>	(Optional)
<i>num-clients</i>	(Optional) Number of Clients registered
<i>client-name</i>	(Optional) Client Name
<i>client-id</i>	(Optional) Client-id
<i>shmem-name</i>	(Optional) Shared Memory Segment Name

Command Mode

- /exec

show forwarding distribution multicast download

```
show forwarding distribution multicast download [ __readonly__ [ TABLE_MFDM_DOWNLOAD_INFO
<db_type> [ TABLE_MFDM_PENDING_INFO [ <table_id> ] ] ] ]
```

Syntax Description

show	
forwarding	forwarding information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
download	show download queues
<i>__readonly__</i>	(Optional)
TABLE_MFDM_DOWNLOAD_INFO	(Optional) MFDM download info
<i>db_type</i>	(Optional) Database type
TABLE_MFDM_PENDING_INFO	(Optional) Routes Pending info
<i>table_id</i>	(Optional) Table ID

Command Mode

- /exec

show forwarding distribution multicast mfib

```
show forwarding distribution multicast { mfib-txlist [ vrf <vrf-name> ] | mfib-buffers } [ __readonly__
<no-free-buffers> <no-used-buffers> ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
mfib-txlist	Show MFIB transmission-list information
vrf	(Optional) Specify VRF
<i>vrf-name</i>	(Optional) Specify VRF name
mfib-buffers	Show MFIB route buffer information
__readonly__	(Optional)
<i>no-free-buffers</i>	(Optional) Number of Free txlist MFIB buffers
<i>no-used-buffers</i>	(Optional) Number of Used txlist MFIB buffers

Command Mode

- /exec

show forwarding distribution multicast outgoing-interface-list L2_PRIME

```
show forwarding distribution multicast outgoing-interface-list L2_PRIME [ __readonly__ <index> <dvif>
<platform_index> <ref_count> <l2-oifs> <port_set> ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
outgoing-interface-list	Outgoing interface list
L2_PRIME	Layer 2 oiflist
<i>index</i>	(Optional) Outgoing Interface List index
<i>__readonly__</i>	(Optional)
<i>dvif</i>	(Optional) Destination VIF
<i>platform_index</i>	(Optional) Platform index
<i>ref_count</i>	(Optional) Reference count
<i>l2-oifs</i>	(Optional) L2 oifs
<i>port_set</i>	(Optional) Port set

Command Mode

- /exec

show forwarding distribution multicast resp-ack-timer-msgs

show forwarding distribution multicast resp-ack-timer-msgs

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
resp-ack-timer-msgs	show response ack timers for MFDM

Command Mode

- /exec

show forwarding distribution multicast route

```
show forwarding distribution [ ip ] multicast route [ table <id> | vrf { <vrf_name> | <vrf-known-name> | all
} ] [ [ group { <gaddr> [ <mask> ] | <gprefix> } [ source { <saddr> [ <smask> ] | <sprefix> } ] ] | summary
] [ __readonly__ TABLE_vrf [ <vrf-name> ] [ <table-name> ] [ <table-id> ] [ <table-wildcard> ] [
<total-num-groups> ] [ TABLE_route_summary [ <vrf-name> ] [ <total-num-routes> ] [ <num-star-g-route>
] [ <num-sg-route> ] [ <num-star-g-prfx> ] [ <num-group-count> ] ] [ TABLE_one_route [ <source-addr>
] [ <source-len> ] [ <group-addr> ] [ <group-len> ] [ <df-ordinal> ] [ <rpf-intf> ] [ <flags> ] [
<upstream-addr> ] [ <stats-state> ] [ <stats-pkts> ] [ <stats-bytes> ] [ <oif-count> ] [ <oiflist-index> ] [
TABLE_oif [ <oif-name> ] [ <mti-src-intf> ] [ <mti-grp-ip> ] [ <mti-src-ip> ] [ <next-hop> ] ] ] ] ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	(Optional) IPV4 information
multicast	Multicast information
route	Multicast route related information
vrf	(Optional) Specify VRF
<i>vrf_name</i>	(Optional) Specify VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	(Optional) Specify Multicast Routing Table
<i>id</i>	(Optional) Multicast Routing Table Identifier
group	(Optional) IPv4 Multicast Group specific
<i>gaddr</i>	(Optional) IPv4 Multicast Group Address
<i>mask</i>	(Optional) mask for group ip address
<i>gprefix</i>	(Optional) IPv4 Multicast Group Prefix
source	(Optional) IPv4 Multicast Source specific
<i>saddr</i>	(Optional) IPv4 Source Address
<i>smask</i>	(Optional) mask for group ip address
<i>sprefix</i>	(Optional) IPv4 Multicast Source Prefix
summary	(Optional) display route counts

<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>table-name</i>	(Optional)
<i>table-id</i>	(Optional)
<i>table-wildcard</i>	(Optional)
<i>total-num-groups</i>	(Optional)
TABLE_route_summary	(Optional)
<i>total-num-routes</i>	(Optional)
<i>num-star-g-route</i>	(Optional)
<i>num-sg-route</i>	(Optional)
<i>num-star-g-prfx</i>	(Optional)
<i>num-group-count</i>	(Optional)
TABLE_one_route	(Optional)
<i>source-addr</i>	(Optional)
<i>source-len</i>	(Optional)
<i>group-addr</i>	(Optional)
<i>group-len</i>	(Optional)
<i>df-ordinal</i>	(Optional)
<i>rpf-intf</i>	(Optional)
<i>upstream-addr</i>	(Optional)
<i>flags</i>	(Optional)
<i>stats-state</i>	(Optional)
<i>stats-pkts</i>	(Optional)
<i>stats-bytes</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>oiflist-index</i>	(Optional)
TABLE_oif	(Optional)
<i>oif-name</i>	(Optional)

<i>mti-src-intf</i>	(Optional)
<i>mti-grp-ip</i>	(Optional)
<i>mti-src-ip</i>	(Optional)
<i>next-hop</i>	(Optional)

Command Mode

- /exec

show forwarding distribution multicast route sr um-nat

```
show forwarding distribution multicast route sr um-nat [ __readonly__ TABLE_one_route
<pre-translated-source-addr><pre-translated-dest-addr>
<post-translated-source-addr><post-translated-dest-addr>
<post-translated-source-udp-port><post-translated-dest-udp-port> <mti-src-intf><vrf-name> ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
route	Multicast route related information
sr	sr related information
um-nat	UM NAT route translation information
__readonly__	(Optional)
TABLE_one_route	(Optional)

Command Mode

- /exec

show forwarding distribution multicast sr hash-db

show forwarding distribution multicast sr hash-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
sr	Service reflect rules
hash-db	Hash database

Command Mode

- /exec

show forwarding distribution multicast vxlan dsg-db

show forwarding distribution multicast vxlan dsg-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
dsg-db	delivery group/source db

Command Mode

- /exec

show forwarding distribution multicast vxlan vlan-db

show forwarding distribution multicast vxlan vlan-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
vlan-db	Vlan database

Command Mode

- /exec

show forwarding distribution nve overlay-vlan

show forwarding distribution nve overlay-vlan [*__readonly__* *TABLE_overlay_vlan_peer_id* <Vlan> <SVP> <install> <Origin> <VFP-region> <peercount> <peer_id> +]

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
nve	nve distribution info
overlay-vlan	overlay-vlan adjacency info
<i>__readonly__</i>	(Optional)
<i>TABLE_overlay_vlan_peer_id</i>	(Optional) overlay vlan peer id table
<i>Vlan</i>	(Optional) VLAN
<i>SVP</i>	(Optional) SVP
<i>install</i>	(Optional) install
<i>Origin</i>	(Optional) Origin
<i>VFP-region</i>	(Optional) VFP-region
<i>peercount</i>	(Optional) Total count of Peers
<i>peer_id</i>	(Optional) Peer-ID

Command Mode

- /exec

show forwarding distribution peer-id

```
show forwarding distribution peer-id [ vpls | otv ] [ __readonly__ <header> TABLE_peer_id <app> <vlan>
<id> <peer_id> ]
```

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
peer-id	HW Peer-id allocation info
vpls	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
otv	(Optional) OTV
__readonly__	(Optional)
<i>header</i>	(Optional) Header
TABLE_peer_id	(Optional) Peer ID table
<i>app</i>	(Optional) OTV/VPLS
<i>vlan</i>	(Optional) VLAN
<i>id</i>	(Optional) ID
<i>peer_id</i>	(Optional) Peer-ID

Command Mode

- /exec

show forwarding distribution srv6 local-sid bd-mapping

```
show forwarding distribution srv6 local-sid bd-mapping [ __readonly__ { local_sid_bd_map <sid_bd_map>
} [ { TABLE_local_sid <local_sid> <Table_id> <func_type> <bd> <locator> <function> <args> } ] ]
```

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
srv6	Srv6 related
local-sid	Local SID
bd-mapping	Local Sid to BD mappings
<i>__readonly__</i>	(Optional)
<i>local_sid_bd_map</i>	(Optional) Local-sid to BD mapping
<i>sid_bd_map</i>	(Optional) Local-sid to BD mappingi number
<i>TABLE_local_sid</i>	(Optional) Table with local SID's
<i>local_sid</i>	(Optional) V6 prefix associated with local-sid
<i>Table_id</i>	(Optional) Table ID
<i>func_type</i>	(Optional) Function behavior type
<i>bd</i>	(Optional) Bridge domain
<i>locator</i>	(Optional) Locator V6 address
<i>function</i>	(Optional) function
<i>args</i>	(Optional) args

Command Mode

- /exec

show forwarding distribution trace

show forwarding distribution trace

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
trace	unicast trace information

Command Mode

- /exec

show forwarding ecmp

```
show forwarding ecmp [ { [ vrf { <vrf-name> | <vrf-known-name> } ] lisp } ] [ platform ] [ module <module> ] [ partial ] [ __readonly__ [ <header> <ecmp_hash> <intf> <nh> <v6nh> <hw_index> <num_mpls> <holder> <refcount> <num_paths> <sw_ptr> <ecmp_partial> ] [ TABLE_ecmp { [ <hash> ] [ <num_paths> ] [ <hwindex> ] [ <ecmppartial> ] [ TABLE_index { [ <ecmp_idx> ] [ <cmn_idx> ] } ] [ <refcnt> ] [ <ecmp_holder> ] } ] [ TABLE_adjacency { [ <intf> ] [ <nh> ] [ <v6nh> ] [ <hw_adj_idx> ] [ <hw_cmn_idx> ] [ <lif> ] [ <hw_nve_adj_idx> ] [ <hw_nve_cmn_idx> ] [ <nve_lif> ] } ] [ <vobj_count> ] [ <vxlan_vobj_count> ] [ <vxlan> ] [ <vobj_list_header> ] [ <vobj-id> ] ] ] ]
```

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
lisp	(Optional) Show information about LISP ECMPs
platform	(Optional) one command to show pi and pd info together
module	(Optional) slot
<i>module</i>	(Optional) slot number
partial	(Optional) Show partially installed ECMPs
__readonly__	(Optional)
<i>header</i>	(Optional) o/p header
<i>ecmp_hash</i>	(Optional) ecmp hash
<i>intf</i>	(Optional) interface
<i>nh</i>	(Optional) next hop
<i>v6nh</i>	(Optional) V6 next hop
<i>hw_index</i>	(Optional) Hw index
<i>num_mpls</i>	(Optional) No of MPLS ecmp
<i>holder</i>	(Optional) holder bitmap
<i>refcount</i>	(Optional) refcount
<i>sw_ptr</i>	(Optional) Software pointer

<i>num_paths</i>	(Optional) No of paths
<i>ecmp_partial</i>	(Optional) partial ecmp
TABLE_ecmp	(Optional) ecmp table
<i>hash</i>	(Optional) ecmp hash
<i>num_paths</i>	(Optional) No of paths
<i>hwindex</i>	(Optional) Hw index
<i>ecmpartial</i>	(Optional) partial ecmp
TABLE_index	(Optional) index table
<i>ecmp_idx</i>	(Optional) hw ecmp index
<i>cmn_idx</i>	(Optional) cmn index
<i>refcnt</i>	(Optional) refcount
<i>ecmp_holder</i>	(Optional) holder bitmap
TABLE_adjacency	(Optional) adjacency table
<i>intf</i>	(Optional) interface
<i>nh</i>	(Optional) next hop
<i>v6nh</i>	(Optional) v6 next hop
<i>hw_adj_idx</i>	(Optional) hw adj index
<i>hw_cmn_idx</i>	(Optional) hw cmn index
<i>lif</i>	(Optional) lif
<i>hw_nve_adj_idx</i>	(Optional) nve adj index
<i>hw_nve_cmn_idx</i>	(Optional) nve cmn index
<i>nve_lif</i>	(Optional) nve lif
<i>vobj_count</i>	(Optional) vobj count
<i>vxlan_vobj_count</i>	(Optional) vxlan vobj count
<i>vxlan</i>	(Optional) vxlan
<i>vobj_list_header</i>	(Optional) vobj list header
<i>vobj-id</i>	(Optional) vobj id

Command Mode

- /exec

show forwarding ecmp recursive

```
show forwarding ecmp recursive [ platform ] [ srv6 ] [ max-display-count <display_count> ] [ module <module>
] [ partial ] [ __readonly__ [ TABLE_vobj { [ <header_vobj> ] [ <header_ecmp> } ] [ TABLE_vobj_idx { [
<hw_vobj_index> ] [ <cmn_index> } ] ] [ <num_pfxs> ] [ <ecmp_partial> ] [ <activepath_hdr> ] [
<ecmp_hw_prog_fail> ] [ TABLE_active { [ TABLE_activepath { [ <ap_nh> ] [ <ap_v6nh> ] [ <ap_rnh_len>
] [ <ap_nh_vpn_label> ] [ <ap_rnh_table_id> ] [ <ap_nh_weight> } ] } ] [ <backuppath_hdr> ] [
TABLE_backuppath { [ <bp_nh> ] [ <bp_v6nh> ] [ <bp_nh_vpn_label> ] [ <bp_rnh_table_id> ] [
<bp_nh_weight> } ] ] [ <cnh_hdr> ] [ TABLE_cnh { [ <nh> ] [ <v6nh> ] [ <intf> ] [ TABLE_cnh_adj { [
<hw_adj> ] [ <hw_cmn_index> ] [ <lif> } ] } ] [ <hw_inst_n> ] [ <ls_count_n> ] [ <hw_inst_o> ] [
<ls_count_o> ] [ <fec_type> ] [ <header_fec_ecmp> ] [ <hw_vobj_fec_idx> ] [ <cmn_idx> ] [
<vobj_hw_inst_n> ] [ <vobj_ls_count_n> ] [ <vobj_hw_inst_o> ] [ <vobj_ls_count_o> ] [ <vobj_refcount>
] [ <vobj_function> ] [ TABLE_vobj_ecmp { [ <ec_hash> ] [ <ec_num_paths> ] [ <ec_hwinde> ] [
<ec_ecmppartial> ] [ <ec_refcnt> ] [ <ec_ecmp_holder> } ] [ TABLE_adjacency_ec { [ <ec_intf> ] [ <ec_nh>
] [ <ec_v6nh> ] [ <ec_hw_adj_idx> ] [ <ec_hw_cmn_idx> ] [ <ec_lif> ] [ <ec_hw_nve_adj_idx> ] [
<ec_hw_nve_cmn_idx> ] [ <ec_nve_lif> } ] } ] [ <ec_vobj_count> ] [ <ec_vxlan_vobj_count> ] [ <ec_vxlan>
] [ <ec_vobj_list_header> ] ] ] [ <header> <num_pfxs> <rnh_table_id> <nh> <rnh_len> <v6nh> <hw_instance>
<nh_vpn_label> <nh_weight> <cnh_intf> <ecmp_partial> ] [ TABLE_ecmp { [ <hash> ] [ <num_paths> ]
[ <hwinde> ] [ <ecmppartial> ] [ TABLE_index { [ <ecmp_idx> ] [ <cmn_idx> } ] ] [ <refcnt> ] [
<ecmp_holder> } ] [ TABLE_adjacency { [ <intf> ] [ <nh> ] [ <v6nh> ] [ <hw_adj_idx> ] [ <hw_cmn_idx>
] [ <lif> ] [ <hw_nve_adj_idx> ] [ <hw_nve_cmn_idx> ] [ <nve_lif> } ] } ] [ <vobj_count> ] [
<vxlan_vobj_count> ] [ <vxlan> ] [ <vobj_list_header> ] [ TABLE_vobj_id { [ <vobj-id> } ] } ] [
<vobj_function> ] ] ] ]
```

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
recursive	Show information about recursive ECMPs
platform	(Optional) one command to show pi and pd info together
srv6	(Optional) Show information about SRV6 encap
module	(Optional) slot
partial	(Optional) Show partially installed ECMPs
<i>module</i>	(Optional) slot number
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count
<i>__readonly__</i>	(Optional)
TABLE_vobj	(Optional) Table vobj
<i>header_vobj</i>	(Optional) vobj o/p header

<i>header_ecmp</i>	(Optional) ecmp o/p header
TABLE_vobj_idx	(Optional) Table vobj index
<i>hw_vobj_index</i>	(Optional) HW VOBJ Index
<i>cmn_index</i>	(Optional) cmn index
<i>num_pfxs</i>	(Optional) Number of prefixes using this virtual object
<i>ecmp_partial</i>	(Optional) partial ecmp
<i>ecmp_hw_prog_fail</i>	(Optional) Ecmp Hardware Program failure
<i>activepath_hdr</i>	(Optional) o/p header
TABLE_active	(Optional) table active
TABLE_activepath	(Optional) table active path
<i>ap_nh</i>	(Optional) Next hop info
<i>ap_v6nh</i>	(Optional) v6 Next hop info
<i>ap_rnh_len</i>	(Optional) Next hop mask length
<i>ap_nh_vpn_label</i>	(Optional) NH VPN label
<i>ap_rnh_table_id</i>	(Optional) The table id where the RNHs are present
<i>ap_nh_weight</i>	(Optional) weighted ecmp info
<i>backuppath_hdr</i>	(Optional) o/p header
TABLE_backuppath	(Optional) backup path table
<i>bp_nh</i>	(Optional) Next hop info
<i>bp_v6nh</i>	(Optional) v6 Next hop info
<i>bp_nh_vpn_label</i>	(Optional) NH VPN label
<i>bp_rnh_table_id</i>	(Optional) The table id where the RNHs are present
<i>bp_nh_weight</i>	(Optional) weighted ecmp info
<i>cnh_hdr</i>	(Optional) o/p header
TABLE_cnh	(Optional) cnh table
<i>nh</i>	(Optional) Next hop info
<i>v6nh</i>	(Optional) v6 Next hop info
<i>intf</i>	(Optional) cnh output interface
TABLE_cnh_adj	(Optional) Table cnh adjacency

<i>hw_adj</i>	(Optional) cnh hw adjacency
<i>hw_cmn_index</i>	(Optional) cnh hw cmn idx
<i>lif</i>	(Optional) lif
<i>hw_inst_n</i>	(Optional) Hardware instance info new
<i>ls_count_n</i>	(Optional) ls count new
<i>hw_inst_o</i>	(Optional) Hardware instance info old
<i>ls_count_o</i>	(Optional) ls count old
<i>fec_type</i>	(Optional) fec type
<i>header_fec_ecmp</i>	(Optional) o/p header
<i>hw_vobj_fec_idx</i>	(Optional) hw fec idx
<i>cmn_idx</i>	(Optional) cmn idx
<i>vobj_hw_inst_n</i>	(Optional) vobj hw instance
<i>vobj_ls_count_n</i>	(Optional) ls count new
<i>vobj_hw_inst_o</i>	(Optional) hw instnace info old
<i>vobj_ls_count_o</i>	(Optional) ls count old
<i>vobj_refcount</i>	(Optional) vobj refcount
<i>vobj_function</i>	(Optional) vobj function
TABLE_vobj_ecmp	(Optional) ecmp table
<i>ec_hash</i>	(Optional) ecmp hash
<i>ec_num_paths</i>	(Optional) No of paths
<i>ec_hwindex</i>	(Optional) Hw index
<i>ec_ecmpartial</i>	(Optional) partial ecmp
<i>ec_refcnt</i>	(Optional) refcount
<i>ec_ecmp_holder</i>	(Optional) holder bitmap
TABLE_adjacency_ec	(Optional) adjacency table
<i>ec_intf</i>	(Optional) interface
<i>ec_nh</i>	(Optional) next hop
<i>ec_v6nh</i>	(Optional) v6 next hop
<i>ec_hw_adj_idx</i>	(Optional) hw adj index

<i>ec_hw_cmn_idx</i>	(Optional) hw cmn index
<i>ec_lif</i>	(Optional) lif
<i>ec_hw_nve_adj_idx</i>	(Optional) nve adj index
<i>ec_hw_nve_cmn_idx</i>	(Optional) nve cmn index
<i>ec_nve_lif</i>	(Optional) nve lif
<i>ec_vobj_count</i>	(Optional) vobj count
<i>ec_vxlan_vobj_count</i>	(Optional) vxlan vobj count
<i>ec_vxlan</i>	(Optional) vxlan
<i>ec_vobj_list_header</i>	(Optional) vobj list header
<i>vobj_function</i>	(Optional) vobj function
<i>header</i>	(Optional) o/p header
<i>num_pfxs</i>	(Optional) Number of prefixes using this virtual object
<i>rnh_table_id</i>	(Optional) The table id where the RNHs are present
<i>nh</i>	(Optional) Next hop info
<i>rnh_len</i>	(Optional) Next hop mask length
<i>v6nh</i>	(Optional) V6 Next hop info
<i>hw_instance</i>	(Optional) Hardware instance info
<i>nh_vpn_label</i>	(Optional) NH VPN label
<i>nh_weight</i>	(Optional) weighted ecmp info
<i>cnh_intf</i>	(Optional) cnh output interface
<i>ecmp_partial</i>	(Optional) partial ecmp
TABLE_ecmp	(Optional) ecmp table
<i>hash</i>	(Optional) ecmp hash
<i>num_paths</i>	(Optional) No of paths
<i>hwindex</i>	(Optional) Hw index
<i>ecmppartial</i>	(Optional) partial ecmp
TABLE_index	(Optional) index table
<i>ecmp_idx</i>	(Optional) hw ecmp index
<i>cmn_idx</i>	(Optional) cmn index

<i>refcnt</i>	(Optional) refcount
<i>ecmp_holder</i>	(Optional) holder bitmap
TABLE_adjacency	(Optional) adjacency table
<i>intf</i>	(Optional) interface
<i>nh</i>	(Optional) next hop
<i>v6nh</i>	(Optional) v6 next hop
<i>hw_adj_idx</i>	(Optional) hw adj index
<i>hw_cmn_idx</i>	(Optional) hw cmn index
<i>lif</i>	(Optional) lif
<i>hw_nve_adj_idx</i>	(Optional) nve adj index
<i>hw_nve_cmn_idx</i>	(Optional) nve cmn index
<i>nve_lif</i>	(Optional) nve lif
<i>vobj_count</i>	(Optional) vobj count
<i>vxlan_vobj_count</i>	(Optional) vxlan vobj count
<i>vxlan</i>	(Optional) vxlan
<i>vobj_list_header</i>	(Optional) vobj list header
TABLE_vobj_id	(Optional) vobj_id table
<i>vobj-id</i>	(Optional) vobj id

Command Mode

- /exec

show forwarding inconsistency

```
show forwarding [ ip | ipv4 ] [ unicast ] inconsistency [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ]
[ module { <module> | all_modules } ] [ __readonly__ [ <err_str> ] [ <cc_header> ] [ <table_id> ] [ <slot_id> ]
] [ <exec_time> ] [ <elapsed_time> ] [ <inconsis_adjts> ] [ TABLE_inconsistency_adjts { <id> <slot> [ <unit> ]
] <vrf> [ <ipaddr> ] [ <ipprefix> ] [ <interface> ] <reason> } ] [ <inconsis_routes> ] [
TABLE_inconsistency_routes { <id> <slot> [ <unit> ] <vrf> [ <ipaddr> ] [ <ipprefix> ] [ <interface> ]
<reason> } ] [ <run_status> ] ]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
unicast	(Optional) unicast
inconsistency	route inconsistency check
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's
__readonly__	(Optional)
<i>err_str</i>	(Optional)
<i>cc_header</i>	(Optional)
<i>table_id</i>	(Optional)
<i>slot_id</i>	(Optional)
<i>exec_time</i>	(Optional)
<i>elapsed_time</i>	(Optional)
<i>inconsis_adjts</i>	(Optional)
TABLE_inconsistency_adjts	(Optional)

<i>id</i>	(Optional)
<i>slot</i>	(Optional)
<i>unit</i>	(Optional)
<i>vrf</i>	(Optional)
<i>ipaddr</i>	(Optional)
<i>ipprefix</i>	(Optional)
<i>interface</i>	(Optional)
<i>reason</i>	(Optional)
<i>inconsis_routes</i>	(Optional)
TABLE_inconsistency_routes	(Optional)
<i>id</i>	(Optional)
<i>slot</i>	(Optional)
<i>unit</i>	(Optional)
<i>vrf</i>	(Optional)
<i>ipaddr</i>	(Optional)
<i>ipprefix</i>	(Optional)
<i>interface</i>	(Optional)
<i>reason</i>	(Optional)
<i>run_status</i>	(Optional)

Command Mode

- /exec

show forwarding interfaces

```
show forwarding interfaces [ module <module> ] [ __readonly__ TABLE_intf_str <intf> <v4adjcnt> <v6adjcnt>
<v4rpfmode> <v6rpfmode> <mac> ]
```

Syntax Description

show	
forwarding	fib information
interfaces	show fib interface info
__readonly__	(Optional)
TABLE_intf_str	(Optional) show interface string
<i>intf</i>	(Optional) interface name
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>v4adjcnt</i>	(Optional) count of v4 adjacencies
<i>v6adjcnt</i>	(Optional) count of v6 adjacencies
<i>mac</i>	(Optional) mac address
<i>v4rpfmode</i>	(Optional) v4 uRPF mode
<i>v6rpfmode</i>	(Optional) v6 uRPF mode

Command Mode

- /exec

show forwarding ipv6

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] ipv6 [ route | rnhdb
] [ recursive ] [ detail | summary | platform | partial | <prefix> [ longer-prefixes ] [ detail | platform ] | <address>
] [ detail | platform ] | interface <interface> | next-hop <nh> | attached | unresolved | adjacency { <aif> <anh>
| drop | glean | punt } ] [ max-display-count <display_count> ] [ module <module> | vrf { <vrf-name> |
<vrf-known-name> | <vrf-all> } ] + [ __readonly__ [ <prefix_count> ] [ TABLE_vrf { [ <vrfname> ] [
<tblname> ] [ <tableid> ] [ TABLE_prefix { [ <pfx> ] [ <num_paths> ] [ <vobj-id> ] [ TABLE_path { [
<nexthop> | <special> ] [ <intf> ] [ <route_updates> ] [ <route_inserts> ] [ <route_deletes> ] [ <route_count>
] [ <path_count> ] [ TABLE_mask { [ <mask_length> ] [ <routes_per_mask> } ] } ] [ <hw_handle> ] [
<flags> ] [ <holder> ] [ <nxt_obj_type> ] [ <hw_idx_v6adj> ] [ <cmn-idx> ] [ <lif> ] [ <buf-idx> } ] } ] [
<packet_cnt> ] [ <byte_cnt> ] ]
```

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table id in hex
ipv6	ipv6
route	(Optional) display IP routing table
platform	(Optional) one command to show pi and pd info together
rnhdb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
recursive	(Optional) display routes with recursive next hops
detail	(Optional) show detailed information about the routes
summary	(Optional) display route counts
partial	(Optional) display routes with partial ECMPs
longer-prefixes	(Optional) display longer prefixes
interface	(Optional) display routes with this output i/f only
<i>interface</i>	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only

attached	(Optional) display directly connected routes
unresolved	(Optional) display unresolved routes
adjacency	(Optional) display adjacency information
<i>aif</i>	(Optional) adjacency output interface
drop	(Optional) display routes via drop adjacency
glean	(Optional) display routes via glean adjacency
punt	(Optional) display routes via punt adjacency
module	(Optional) slot
<i>module</i>	(Optional) slot number
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) vrf table
<i>vrfname</i>	(Optional) VRF name
<i>tblname</i>	(Optional) table name
<i>tableid</i>	(Optional) table id
<i>prefix_count</i>	(Optional) total number of prefix in VRF
TABLE_prefix	(Optional) all xml prefix entries
<i>px</i>	(Optional) ipv6 prefix
<i>num_paths</i>	(Optional) no of paths
<i>vobj-id</i>	(Optional) vobj-id
TABLE_path	(Optional) path table
<i>nexthop</i>	(Optional) next hop address
<i>special</i>	(Optional) special adjacencies
<i>intf</i>	(Optional) output interface
<i>route_updates</i>	(Optional) route update in VRF
<i>route_inserts</i>	(Optional) route insert in VRF
<i>route_deletes</i>	(Optional) route delete in VRF
<i>route_count</i>	(Optional) total number of routes in VRF

<i>path_count</i>	(Optional) total number of paths in VRF
TABLE_mask	(Optional) mask table
<i>mask_length</i>	(Optional) length of mask
<i>routes_per_mask</i>	(Optional) routes per mask
<i>hw_handle</i>	(Optional) hw handle
<i>flags</i>	(Optional) flags
<i>holder</i>	(Optional) holder
<i>nxt_obj_type</i>	(Optional) next obj type
<i>hw_idx_v6adj</i>	(Optional) v6 adj hw idx
<i>cmn-idx</i>	(Optional) cmn idx
<i>lif</i>	(Optional) lif
<i>buf-idx</i>	(Optional) Buffer index
<i>packet_cnt</i>	(Optional) Packet count
<i>byte_cnt</i>	(Optional) Byte count

Command Mode

- /exec

show forwarding ipv6 adjacency

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 adjacency [ mpls ] [ nve ] [ <aif>
] [ <anh> ] [ detail | stats | platform ] [ module <module> ] [ __readonly__ [ <adj-count> ] [ TABLE_adj { [
<fec> ] <nexthop> <rewinfo> [ <interface> ] [ <pkts> ] [ <bytes> ] [ <bgp_rnh> ] [ <bgp_orig_as> ] [
<bgp_peer_as> ] [ <hh> ] [ <refcount> } ] ] [ TABLE_v6_adj { [ <nh> ] [ <rwinf> ] [ <intf> ] [ <intf_idx>
] [ <hh> ] [ <refcnt> ] [ <flags> ] [ <holder> ] [ <pbr_cnt> ] [ <wccp_cnt> ] [ TABLE_index { [ <hw_adj> ]
[ <cmn_idx> ] [ <lif> } } } ] ]
```

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
mpls	(Optional) mpls adjacency information
nve	(Optional) nve adjacency information
<i>aif</i>	(Optional) adjacency output interface
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>adj-count</i>	(Optional) total adj count
TABLE_adj	(Optional) Table Adjacency
<i>fec</i>	(Optional) FEC info
<i>nexthop</i>	(Optional) next hop address
<i>rewinfo</i>	(Optional) rewrite information

<i>interface</i>	(Optional) output interface
<i>pkts</i>	(Optional) packet stats
<i>bytes</i>	(Optional) bytes stats
<i>bgp_rnh</i>	(Optional) next hop address
<i>bgp_orig_as</i>	(Optional) bgp orig as
<i>bgp_peer_as</i>	(Optional) bgp peer as
<i>hh</i>	(Optional) Hardware Handle
<i>refcount</i>	(Optional) reference count
TABLE_v6_adj	(Optional) Table Adjacency
<i>nh</i>	(Optional) next hop address
<i>rwnfo</i>	(Optional) rewrite information
<i>intf</i>	(Optional) output interface
<i>intf_idx</i>	(Optional) Interface index
<i>hh</i>	(Optional) Hardware Handle
<i>refcnt</i>	(Optional) reference count
<i>flags</i>	(Optional) Adjacency flags
<i>holder</i>	(Optional) Holder bitmap
<i>pbr_cnt</i>	(Optional) PBR count
<i>wccp_cnt</i>	(Optional) WCCP count
TABLE_index	(Optional) HW index table
<i>hw_adj</i>	(Optional) v4 adj hw index
<i>cmn-idx</i>	(Optional) CMN Index
<i>lif</i>	(Optional) LIF

Command Mode

- /exec

show forwarding ipv6 inconsistency

```
show forwarding ipv6 [ unicast ] inconsistency [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ] [ module
{ <module> | all_modules } ] [ __readonly__ [ <err_str> ] [ <cc_header> ] [ <table_id> ] [ <slot_id> ] [
<exec_time> ] [ <elapsed_time> ] [ <inconsis_adj> ] [ TABLE_inconsistency_adj { <idipv6> <slotipv6>
[ <unitipv6> ] <vrfipv6> [ <ipv6addr> ] [ <ipv6prefix> ] [ <interfaceipv6> ] <reasonipv6> } ] [
<inconsis_routes> ] [ TABLE_inconsistency_routes { <idipv6> <slotipv6> [ <unitipv6> ] <vrfipv6> [
<ipv6addr> ] [ <ipv6prefix> ] [ <interfaceipv6> ] <reasonipv6> } ] [ <run_status> ] ]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
ipv6	ipv6
unicast	(Optional) unicast
inconsistency	route inconsistency check
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's
__readonly__	(Optional)
<i>err_str</i>	(Optional)
<i>cc_header</i>	(Optional)
<i>table_id</i>	(Optional)
<i>slot_id</i>	(Optional)
<i>exec_time</i>	(Optional)
<i>elapsed_time</i>	(Optional)
<i>inconsis_adj</i>	(Optional)
TABLE_inconsistency_adj	(Optional)
<i>idipv6</i>	(Optional)

<i>slotipv6</i>	(Optional)
<i>unitipv6</i>	(Optional)
<i>vrfipv6</i>	(Optional)
<i>interfaceipv6</i>	(Optional)
<i>reasonipv6</i>	(Optional)
<i>inconsis_routes</i>	(Optional)
TABLE_inconsistency_routes	(Optional)
<i>idipv6</i>	(Optional)
<i>slotipv6</i>	(Optional)
<i>unitipv6</i>	(Optional)
<i>vrfipv6</i>	(Optional)
<i>interfaceipv6</i>	(Optional)
<i>reasonipv6</i>	(Optional)
<i>run_status</i>	(Optional)

Command Mode

- /exec

show forwarding ipv6 multicast route

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | all } | table <tab_id> ] ipv6 multicast route { [
group { <group> | <group_addr> } [ source { <source> | <source_addr> } ] | module <module> | vrf {
<vrf-name> | all } ] + | summary [ module <module> | vrf { <vrf-name> | <vrf-known-name> | all } ] + } [
__readonly__ [ <table_type> ] [ <vrfname> ] [ <table_id> ] [ <num_routes> <num_starg_routes>
<num_sg_routes> <num_gprefix_routes> ] [ <num_groups> ] [ <num_sources> ] [ <num_prefix_insert_fail>
] [ [ TABLE_MROUTE_INFO <address> [ <src_len> <grp_len> ] [ <df_ordinal> ] [ <rpflf> ] [ <rpfl_ifindex>
] <flag> [ <flag_value> ] <route_pkts> <route_bytes> <oiflist_id> <oif_count> <oiflist_flag> [
TABLE_OIF_INFO <oifindex> [ <vlan> ] [ TABLE_MCAST_OIF_INTF_INFO [ <oifname> ] [ <dvlif> ] ]
[ <platform_id> ] [ <encap_id> ] [ <hw_index> ] ] ] ] ] ]
```

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
multicast	IPV6 related Multicast information
route	Multicast route information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tab_id</i>	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	display route counts
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>table_type</i>	(Optional) Table Type
<i>vrfname</i>	(Optional) VRF name
<i>table_id</i>	(Optional) Table ID

<i>num_routes</i>	(Optional) Number of routes
<i>num_starg_routes</i>	(Optional) Number of (*,G) routes
<i>num_sg_routes</i>	(Optional) Number of (S,G) routes
<i>num_gprefix_routes</i>	(Optional) Number of (*,G-prefix) routes
<i>num_groups</i>	(Optional) Number of group entries in the table
<i>num_prefix_insert_fail</i>	(Optional) Prefix insert fail count
<i>num_sources</i>	(Optional) Number of (S, G) entries for the group address
TABLE_MROUTE_INFO	(Optional) Mroute info
<i>address</i>	(Optional) Mcast address
<i>src_len</i>	(Optional) Source Address Mask
<i>grp_len</i>	(Optional) Group address Mask
<i>df_ordinal</i>	(Optional) DF ordinal
<i>rpfif</i>	(Optional) RPF interface
<i>rpf_ifindex</i>	(Optional) RPF Interface ifIndex
<i>flag</i>	(Optional) Route type flag
<i>flag_value</i>	(Optional) hex value of route flag
<i>route_pkts</i>	(Optional) Route packet count
<i>route_bytes</i>	(Optional) Route bytes
<i>oiflist_id</i>	(Optional) OIF list Identifier
<i>oif_count</i>	(Optional) Number of OIFs
<i>oiflist_flag</i>	(Optional) OIF List flag
TABLE_OIF_INFO	(Optional) OIF Info
<i>oifindex</i>	(Optional) OIF Interface ifIndex
<i>vlan</i>	(Optional) Vlan id
TABLE_MCAST_OIF_INTF_INFO	(Optional) OIF Interfaces
<i>oifname</i>	(Optional) OIF Interface name
<i>dvif</i>	(Optional) DVIF
<i>platform_id</i>	(Optional) Platform-index
<i>encap_id</i>	(Optional) Encap ID

<i>hw_index</i>	(Optional) Hardware index
-----------------	---------------------------

Command Mode

- /exec

show forwarding kvfib cache on

show forwarding kvfib cache { on | off }

Syntax Description

show	
forwarding	fib information
kvfib	kvfib
cache	cache
on	set variable
off	reset variable

Command Mode

- /exec

show forwarding l2 multicast

```
show forwarding l2 multicast { [ { vlan <vlan-id> [ { group <grpaddr> source <srcaddr> } | { group
<v6grpaddr> source <v6srcaddr> } | destination-mac <dstmac> ] } ] [ vdc <vdc-id> ] [ module <num> ] [
__readonly__ [ TABLE_L2_MCAST_INFO <vlan_id> [ <group> ] [ <group_v6> ] [ <source> ] [ <source_v6>
] [ <dmac> ] <epoch> <resource_id> <dest_index> [ <hw_handle> ] [ <text> ] [ <value> ] ] ] }
```

Syntax Description

show	Show running system information
forwarding	Forwarding information
l2	L2 related information
multicast	Multicast related information
vlan	(Optional) Information Specific to a Vlan
<i>vlan-id</i>	(Optional) Vlan id value
group	(Optional) (S,G) specific information
<i>grpaddr</i>	(Optional) Group address
source	(Optional) source specific information
<i>srcaddr</i>	(Optional) Source address
destination-mac	(Optional) Destination MAC address
<i>dstmac</i>	(Optional) Ethernet MAC address
vdc	(Optional) VDC
<i>vdc-id</i>	(Optional) VDC id
module	(Optional) Slot
<i>num</i>	(Optional) Slot number
__readonly__	(Optional)
TABLE_L2_MCAST_INFO	(Optional) L2 Multicast Info
<i>vlan_id</i>	(Optional) Vlan Identifier
<i>group</i>	(Optional) Multicast IPv4 Group Address
<i>group_v6</i>	(Optional) Multicast IPv6 Group Address
<i>source</i>	(Optional) Multicast IPv4 Source Address
<i>source_v6</i>	(Optional) Multicast IPv6 Source Address

<i>dmac</i>	(Optional) Destination MAC address
<i>epoch</i>	(Optional) Epoch number
<i>resource_id</i>	(Optional) Resource Identifier
<i>dest_index</i>	(Optional) Destination Index Identifier
<i>hw_handle</i>	(Optional) Hardware Handle
<i>text</i>	(Optional) String
<i>value</i>	(Optional) Value

Command Mode

- /exec

show forwarding l2vpn label vpls

```
show forwarding l2vpn label [ <label_id> ] vpls [ module module ] [ __readonly__ <label_id> ]
```

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
<i>label_id</i>	(Optional) VC label
vpls	VPLS
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>label_id</i>	(Optional) Label ID

Command Mode

- /exec

show forwarding l2vpn label xconnect

show forwarding l2vpn label [<label_id>] xconnect [module module] [__readonly__ <label_id>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
<i>label_id</i>	(Optional) VC label
xconnect	xconnect or VPWS
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>label_id</i>	(Optional) Label ID

Command Mode

- /exec

show forwarding l2vpn vlan

```
show forwarding l2vpn vlan [ <vlan_id> ] [ module <module> ] [ __readonly__ <vlan> ]
```

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
vlan	vlan
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>__readonly__</i>	(Optional)
<i>vlan</i>	(Optional) vlan

Command Mode

- /exec

show forwarding mpls

```
show forwarding mpls [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } [ label <label-id> | <prefix> | <v6prefix> ] | table <table_id> [ label <label-id> | <prefix> | <v6prefix> ] | label-space <label-space-id> | label <label-id> | <prefix> | <v6prefix> ] [ stats ] [ module <module> ] [ implicit ] [ platform ] [ __readonly__ ] [ { TABLE_mpls <label> [ { TABLE_table_id [ <out-table-id> ] [ <fec> ] [ <out-ip> ] [ <out-intf> ] [ <out-label> ] [ <out-op> ] [ <hh> ] [ <ref-count> ] [ <hw-index> ] } ] [ <in-pkts> ] [ <in-bytes> ] [ <swap-out-pkts> ] [ <swap-out-bytes> ] [ <tunnel-out-pkts> ] [ <tunnel-out-bytes> ] } ] ]
```

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known vrf name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
label-space	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>label-space-id</i>	(Optional) label space id
label	(Optional) mpls labels
<i>label-id</i>	(Optional) mpls label value
<i>prefix</i>	(Optional) Labels for single exact match route
module	(Optional) slot
<i>module</i>	(Optional) slot number
stats	(Optional) Label Statistics
implicit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
platform	(Optional) Display platform information
<i>__readonly__</i>	(Optional)
TABLE_mpls	(Optional)
<i>label</i>	(Optional) mpls label value

<i>TABLE_table_id</i>	(Optional) Table table id
<i>out-table-id</i>	(Optional) Output table-id
<i>fec</i>	(Optional) Prefix/Tunnel ID
<i>out-ip</i>	(Optional) Output Next Hop
<i>out-intf</i>	(Optional) Output Interface
<i>out-label</i>	(Optional) Output Label
<i>out-op</i>	(Optional) Output Label op
<i>hh</i>	(Optional) Hardware Handle
<i>ref-count</i>	(Optional) Ref Count
<i>hw-index</i>	(Optional) HW index for adj
<i>in-pkts</i>	(Optional) Label Input Packet Stats
<i>in-bytes</i>	(Optional) Label Input Bytes Stats
<i>swap-out-pkts</i>	(Optional) Label Swap Output Packet Stats
<i>swap-out-bytes</i>	(Optional) Label Swap Output Bytes Stats
<i>tunnel-out-pkts</i>	(Optional) Label Tunnel Output Packet Stats
<i>tunnel-out-bytes</i>	(Optional) Label Tunnel Output Bytes Stats

Command Mode

- /exec

show forwarding mpls drop-stats

```
show forwarding mpls drop-stats [ platform | label0-fwd-stats ] [ __readonly__ [ { TABLE_drop_stats
<unit-number> <pkts> <bytes> } ] ]
```

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
drop-stats	MPLS dropped packets
platform	(Optional) command to display stats per chip
label0-fwd-stats	(Optional) command to display stats for label0
__readonly__	(Optional)
TABLE_drop_stats	(Optional) Table for mpls drop stats
<i>unit-number</i>	(Optional) unit number
<i>pkts</i>	(Optional) Label Packet Stats
<i>bytes</i>	(Optional) Label Bytes Stats

Command Mode

- /exec

<i>hh</i>	(Optional) Hardware Handle
<i>ecmp-type</i>	(Optional) type for per path in ecmp

Command Mode

- /exec

show forwarding mpls eompls

```
show forwarding mpls eompls [ peers { <addr> | all } ] [ __readonly__ [ { TABLE_peer_ip <peer_ip>
<peer_id> <vlan_bmp> <rx_pkts> <rx_bytes> } ] ]
```

Syntax Description

show	Show
forwarding	Forwarding information
mpls	mpls forwarding
eompls	eompls
peers	(Optional) nve peers
<i>addr</i>	(Optional) peer ipaddress
all	(Optional) Display peer info for all peers
<i>__readonly__</i>	(Optional)
TABLE_peer_ip	(Optional)
<i>peer_ip</i>	(Optional) peer address
<i>peer_id</i>	(Optional) peer id
<i>vlan_bmp</i>	(Optional) vlan bitmap
<i>rx_pkts</i>	(Optional) packet stats
<i>rx_bytes</i>	(Optional) bytes stats

Command Mode

- /exec

show forwarding mpls eompls ir

```
show forwarding mpls eompls ir { [ vlan [ all | <vlan_id> ] ] [ peer [ all | <peer_ip> ] ] } [ __readonly__ [ {
TABLE_VLAN <vlan_id> <vni> <ifindex> <plt_space> <bitmap> <peer> + <marked> + } ] [ {
TABLE_ONE_PEER <peer> <id> <repl_id> <oif> <path_intf> + <vcount> <vlan_id> + <plt_space> } ] ]
```

Syntax Description

show	Show running system information
forwarding	Forwarding information
mpls	mpls
eompls	eompls
ir	ir
vlan	(Optional) vlans all
all	(Optional) all
<i>vlan_id</i>	(Optional) vlan-id
peer	(Optional) peers-all
all	(Optional) all
<i>peer_ip</i>	(Optional) show detailed info for peer
<i>__readonly__</i>	(Optional)
TABLE_VLAN	(Optional) vlan peer ids table
<i>vlan_id</i>	(Optional) vlan id
<i>vni</i>	(Optional) vni
<i>ifindex</i>	(Optional) ifindex
<i>plt_space</i>	(Optional) platform space
<i>bitmap</i>	(Optional) peer bitmap
<i>peer</i>	(Optional) peer_address
<i>marked</i>	(Optional) marked
TABLE_ONE_PEER	(Optional) vlan peer ids table
<i>peer</i>	(Optional) vlan id
<i>id</i>	(Optional) vni
<i>repl_id</i>	(Optional) repli id

<i>oif</i>	(Optional) ifindex
<i>path_intf</i>	(Optional) pathintf name
<i>vcount</i>	(Optional) vlan count
<i>vlan_id</i>	(Optional) vlanid
<i>plt_space</i>	(Optional) platform space

Command Mode

- /exec

show forwarding mpls option_b

```
show forwarding mpls option_b [ label <label> ] [ module <module> ] [ platform ] [ __readonly__ [ {
TABLE_mpls_opt_b <label> [ <prefix> ] [ <v6prefix> ] [ <nxpath> ] [ <out-interface> ] [ <out-op> } } ] ] ]
```

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
option_b	Option B
label	(Optional) mpls labels
<i>label</i>	(Optional) mpls label value
module	(Optional) slot
<i>module</i>	(Optional) slot number
platform	(Optional) show pd info
__readonly__	(Optional)
TABLE_mpls_opt_b	(Optional)
<i>label</i>	(Optional) mpls label value
<i>prefix</i>	(Optional) Output Interface
<i>nxpath</i>	(Optional) Output Next Hop
<i>out-interface</i>	(Optional) Output Label op
<i>out-op</i>	(Optional) Output Label op

Command Mode

- /exec

show forwarding mpls summary

```
show forwarding mpls summary [ module <module> ] [ __readonly__ [ { TABLE_labels <space> <count>
} <total_deagg_labels> <feature_evpn_status> ] ]
```

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
summary	summary
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>__readonly__</i>	(Optional)
TABLE_labels	(Optional)
<i>space</i>	(Optional) label space
<i>count</i>	(Optional) number of labels
<i>total_deagg_labels</i>	(Optional) total deagg labels
<i>feature_evpn_status</i>	(Optional) feature evpn status

Command Mode

- /exec

show forwarding multicast-sr loopback interface

show forwarding multicast-sr loopback interface [*__readonly__* [*<port-num>*]]

Syntax Description

show	
forwarding	display fib information
multicast-sr	multicast service reflect information
interface	loopback interface
loopback	loopback interface
<i>__readonly__</i>	(Optional)
<i>port-num</i>	(Optional) Port number

Command Mode

- /exec

show forwarding multicast-sr mac-trap-db

```
show forwarding multicast-sr mac-trap-db [ __readonly__ { [ TABLE_mac_trap_db <mac-addr> <mac-trap-id>
<ref-cnt> ] <total-count> } ]
```

Syntax Description

show	Show running system information
forwarding	display platform fib information
multicast-sr	multicast service reflect information
mac-trap-db	display internal mac-trap db
<i>__readonly__</i>	(Optional)
<i>TABLE_mac_trap_db</i>	(Optional) display internal mac-trap db
<i>mac-addr</i>	(Optional) MAC address
<i>mac-trap-id</i>	(Optional) MAC trap ID
<i>ref-cnt</i>	(Optional) Reference Count
<i>total-count</i>	(Optional) total count

Command Mode

- /exec

show forwarding multicast outgoing-interface-list

```
show forwarding multicast outgoing-interface-list { L2 | L3 | vxlan-encap | vxlan-ir-dci-encap | mvpn } [
platform ] [ module <module> ] [ <index> ] [ __readonly__ [ <refcount> ] [ <total_l2_oiflist> ] [
<total_l3_oiflist> ] [ <slot> ] [ TABLE_MCAST_OIF_INFO [ <oiflist_idx> ] [ <vlan> ] [ <num_oif> ] [
TABLE_MCAST_OIF_INTF_INFO [ <intf> ] [ <dviif> ] ] [ <encap_id> ] [ <hw_oiflist_idx> ] [ <mcidx> ]
] ]
```

Syntax Description

show	
forwarding	Forwarding information
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info
L2	Layer 2 oiflist
L3	Layer 3 oiflist
vxlan-encap	vxlan-encap oiflist
vxlan-ir-dci-encap	vxlan-ir-dci-encap oiflist
mvpn	MVPN oiflist
platform	(Optional) Display PI/PD
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>index</i>	(Optional) Outgoing Interface List Index
<i>__readonly__</i>	(Optional)
<i>refcount</i>	(Optional) Reference count
<i>total_l2_oiflist</i>	(Optional) total l2 oiflist
<i>total_l3_oiflist</i>	(Optional) total l3 oiflist
<i>slot</i>	(Optional) slot number
TABLE_MCAST_OIF_INFO	(Optional) Mcast OIF Info
<i>oiflist_idx</i>	(Optional) Outgoing Interface List Index
<i>vlan</i>	(Optional) Vlan id
<i>num_oif</i>	(Optional) Number of outgoing interfaces
TABLE_MCAST_OIF_INTF_INFO	(Optional) OIF Interfaces

<i>intf</i>	(Optional) OIF name
<i>dvif</i>	(Optional) DVIF
<i>encap_id</i>	(Optional) encap_id
<i>hw_oiflist_idx</i>	(Optional) Hardware Outgoing Interface List Index
<i>mcidx</i>	(Optional) MC Index

Command Mode

- /exec

show forwarding multicast pvlan replicated-routes

```
show forwarding multicast pvlan replicated-routes [ { group <group_addr> [ [ source <source_addr> [ vlan
<vlan_id> ] ] | vlan <vlan_id> ] | vlan <vlan_id> } ] [ __readonly__ [ { TABLE_entry <sh_vlan> <sh_group>
<sh_source> } ] ]
```

Syntax Description

show	
forwarding	display fib information
multicast	Multicast IPv4 information
pvlan	PVLAN information
replicated-routes	Display replicated route database
group	(Optional) group address
<i>group_addr</i>	(Optional) group address
source	(Optional) source address
<i>source_addr</i>	(Optional) source address
vlan	(Optional) vlan id
<i>vlan_id</i>	(Optional) vlan id
__readonly__	(Optional)
TABLE_entry	(Optional)
<i>sh_vlan</i>	(Optional) vlan id
<i>sh_group</i>	(Optional) group address
<i>sh_source</i>	(Optional) source address

Command Mode

- /exec

show forwarding multicast route

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | all } | table <table_id> ] [ ipv4 ] multicast route [
platform ] { [ group { <gaddr> [ <mask> ] | <gprefix> } | source { <saddr> [ <smask> ] | <sprefix> } ] |
module <module> | vrf { <vrf-name> | <vrf-known-name> | all } ] + | summary [ module <module> | vrf {
<vrf-name> | <vrf-known-name> | all } ] + } [ _readonly_ [ <table_type> ] [ <vrfname> ] [ <table_id> ] [
<num_routes> <num_starg_routes> <num_sg_routes> <num_gprefix_routes> ] [ <num_groups> ] [
<num_sources> ] [ <num_prefix_insert_fail> ] [ [ TABLE_MROUTE_INFO <mcast_addr> [ <src_len>
<grp_len> ] [ <df_ordinal> ] [ <rpfi> ] [ <rpfi_index> ] <flag> [ <flag_value> ] <route_pkts> <route_bytes>
<oiflist_id> <oif_count> [ <refcount> ] <oiflist_flag> [ TABLE_OIF_INFO <oifindex> [
TABLE_MCAST_VLAN_INFO [ <vlan> ] [ TABLE_MCAST_OIF_INFO [ <oifname> ] [ <dvif> ] ] ] [
<platform_id> ] [ <encap_id> ] [ TABLE_MCAST_CORE_OIF_INFO [ <core_oifname> ] ] [ <hw_index>
] [ <oif_pkts> <oif_bytes> ] ] ] ] ]
```

Syntax Description

show	
forwarding	Forwarding information
ipv4	(Optional) ipv4
multicast	Multicast IPv4 information
route	Mcast route information
platform	(Optional) Platform Details
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
group	(Optional) Multicast IPv4 Group specific info
<i>gaddr</i>	(Optional) Multicast IPv4 Group Address
<i>mask</i>	(Optional) Multicast IPv4 Group Address mask
<i>gprefix</i>	(Optional) Multicast IPv4 Group Prefix
source	(Optional) Multicast IPv4 Source specific info
<i>saddr</i>	(Optional) Multicast IPv4 Source Address
<i>smask</i>	(Optional) Multicast IPv4 Source Address mask

<i>sprefix</i>	(Optional) Multicast IPv4 Source Prefix
summary	display route counts
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>__readonly__</i>	(Optional)
<i>table_type</i>	(Optional) Table Type
<i>vrfname</i>	(Optional) VRF name
<i>table_id</i>	(Optional) Table ID
<i>num_routes</i>	(Optional) Number of routes
<i>num_starg_routes</i>	(Optional) Number of (*,G) routes
<i>num_sg_routes</i>	(Optional) Number of (S,G) routes
<i>num_gprefix_routes</i>	(Optional) Number of (*,G-prefix) routes
<i>num_groups</i>	(Optional) Number of group entries in the table
<i>num_prefix_insert_fail</i>	(Optional) Prefix insert fail count
<i>num_sources</i>	(Optional) Number of (S, G) entries for the group address
TABLE_MROUTE_INFO	(Optional) Mroute info
<i>mcast_addr</i>	(Optional) Mcast address
<i>src_len</i>	(Optional) Source Address Mask
<i>grp_len</i>	(Optional) Group address Mask
<i>df_ordinal</i>	(Optional) DF ordinal
<i>rpfif</i>	(Optional) RPF interface
<i>rpf_ifindex</i>	(Optional) RPF Interface ifIndex
<i>flag</i>	(Optional) Route type flag
<i>flag_value</i>	(Optional) hex value of route flag
<i>route_pkts</i>	(Optional) Route packet count
<i>route_bytes</i>	(Optional) Route bytes
<i>oiflist_id</i>	(Optional) OIF list Identifier
<i>oif_count</i>	(Optional) Number of OIFs
<i>oiflist_flag</i>	(Optional) OIF List flag

<i>refcount</i>	(Optional) OIF list Reference Count
TABLE_OIF_INFO	(Optional) OIF Info
<i>oifindex</i>	(Optional) OIF Interface ifIndex
TABLE_MCAST_VLAN_INFO	(Optional) Vlan Interfaces
<i>vlan</i>	(Optional) Vlan id
TABLE_MCAST_OIF_INFO	(Optional) OIF Interfaces
<i>oifname</i>	(Optional) OIF Interface name
<i>dvif</i>	(Optional) DVIF
TABLE_MCAST_CORE_OIF_INFO	(Optional) Core-facing OIF Interfaces
<i>core_oifname</i>	(Optional) Core-facing OIF Interface name
<i>platform_id</i>	(Optional) Platform-index
<i>encap_id</i>	(Optional) Encap ID
<i>hw_index</i>	(Optional) Hardware index
<i>oif_pkts</i>	(Optional) OIF packets
<i>oif_bytes</i>	(Optional) OIF bytes

Command Mode

- /exec

show forwarding nve l2 ingress-replication-peers

```
show forwarding nve l2 ingress-replication-peers [ ipv4 <peer_ip> | ipv6 <v6_peer_ip> ] + [ __readonly__ [
{ TABLE_VLAN <vlan_id> <vni> <ifindex> <plt_space> <peer_bmp> <peer> + } { TABLE_PSS_VLAN
<vlan_pss_id> <VNI> <vtep> <peercnt> <pss_peer_bmp> { <pss_peer> <marked> } + } ] + [ [ <peer> <id>
<repl_id> <oif> <hash_algo> <path_intf> + <vcount> <vlan_id> + <resync_vcount> <resync_vlan_id> + [
<path> <hash> <flags> <nh> <intf> + ] ] [ <pss_peer> <pss_id> <pss_repl_id> <pss_oif> <pss_hash_algo>
<pss_path_intf> + <pss_vcount> <vlan_pss_id> + [ <pss_path> <pss_hash> <pss_flags> <pss_nh> <pss_intf>
+ ] ] ] ]
```

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l2	L2 info
ingress-replication-peers	ingress replication peer info
ipv4	(Optional) ipv4 peer
<i>peer_ip</i>	(Optional) show detailed info of a peer
ipv6	(Optional) ipv6 peer
__readonly__	(Optional)
TABLE_VLAN	(Optional) vlan peer ids table
<i>vlan_id</i>	(Optional) vlan id
<i>vni</i>	(Optional) vni
<i>ifindex</i>	(Optional) ifindex
<i>plt_space</i>	(Optional) platform space
<i>peer_bmp</i>	(Optional) peer bitmap
<i>peer</i>	(Optional) peer_address
TABLE_PSS_VLAN	(Optional) vlan-peer in pss
<i>vlan_pss_id</i>	(Optional) pss_peer_id
<i>VNI</i>	(Optional) vni
<i>vtep</i>	(Optional) vtep
<i>peercnt</i>	(Optional) peer count
<i>pss_peer_bmp</i>	(Optional) PSS peer bitmap

<i>pss_peer</i>	(Optional) peer address
<i>marked</i>	(Optional) marked
<i>peer</i>	(Optional) peer
<i>id</i>	(Optional) id
<i>repl_id</i>	(Optional) repl_id
<i>oif</i>	(Optional) oif
<i>path_intf</i>	(Optional) path intf name
<i>hash_algo</i>	(Optional) hash algo used
<i>vcount</i>	(Optional) vlan count
<i>vlan_id</i>	(Optional) vlan id
<i>resync_vcount</i>	(Optional) resync vlan count
<i>resync_vlan_id</i>	(Optional) resync vlan id
<i>path</i>	(Optional) ecmp path
<i>hash</i>	(Optional) ecmp hash
<i>flags</i>	(Optional) ecmp flags
<i>nh</i>	(Optional) ecmp nh
<i>intf</i>	(Optional) ecmp interfaces
<i>pss_peer</i>	(Optional) peer
<i>pss_id</i>	(Optional) id
<i>pss_repl_id</i>	(Optional) repl_id
<i>pss_oif</i>	(Optional) oif
<i>pss_path_intf</i>	(Optional) path intf name
<i>pss_hash_algo</i>	(Optional) hash algo used
<i>pss_vcount</i>	(Optional) vlan count
<i>vlan_pss_id</i>	(Optional) vlan id
<i>pss_path</i>	(Optional) pss path
<i>pss_hash</i>	(Optional) pss hash
<i>pss_flags</i>	(Optional) pss flags
<i>pss_nh</i>	(Optional) pss nh

<i>pss_intf</i>	(Optional) pss intf
-----------------	---------------------

Command Mode

- /exec

show forwarding nve l3 adjacency tunnel

```
show forwarding nve l3 adjacency tunnel [ <tunnel_id> | all ] [ bd <bd_id> | detail | module <module> | table
<table_id> ] [ __readonly__ TABLE_nvel3adj <tunnel_id> <bd_id> <table_id> <VNI> <DownStream>
<Drop> <Refcount> <Origin> <State> <Del> [ <sw_index> <hw_index0> <hw_index1> <hw_index2> ] ]
```

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
adjacency	Adjacency info
tunnel	VXLAN tunnel
<i>tunnel_id</i>	(Optional) tunnel_id
all	(Optional) show adjacency info for all peers
bd	(Optional) BD info
<i>bd_id</i>	(Optional) bd_id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
table	(Optional) Tenant table-id
<i>table_id</i>	(Optional) tenant table-id
__readonly__	(Optional)
TABLE_nvel3adj	(Optional)
<i>tunnel_id</i>	(Optional) tunnel_id
<i>bd_id</i>	(Optional) bd_id
<i>table_id</i>	(Optional) tenant table-id
VNI	(Optional) vni
<i>DownStream</i>	(Optional) DownStream
<i>Drop</i>	(Optional) Drop
<i>Refcount</i>	(Optional) Refcount

<i>Origin</i>	(Optional) origin
<i>State</i>	(Optional) state
<i>Del</i>	(Optional) del
<i>sw_index</i>	(Optional)
<i>hw_index0</i>	(Optional)
<i>hw_index1</i>	(Optional)
<i>hw_index2</i>	(Optional)

Command Mode

- /exec

show forwarding nve l3 adjacency v6-tunnel

```
show forwarding nve l3 adjacency v6-tunnel [ <peer-ip> | all ] [ bd <bd_id> | detail | module <num> | table
<table_id> ] [ __readonly__ TABLE_nve13adj <peer-ip> <bd_id> <table_id> <VNI> <Drop> <Refcount>
<Origin> <State> <Del> <sw_index> <hw_index0> <hw_index1> <hw_index2> ]
```

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
adjacency	Adjacency info
v6-tunnel	VXLAN V6 tunnel
all	(Optional) Show adjacency for all peers
bd	(Optional) BD info
<i>bd_id</i>	(Optional) bd id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
table	(Optional) Tenant table-id
<i>table_id</i>	(Optional) tenant table-id
<i>__readonly__</i>	(Optional)
TABLE_nve13adj	(Optional)
<i>bd_id</i>	(Optional) bd id
<i>table_id</i>	(Optional) tenant table-id
<i>VNI</i>	(Optional) vni
<i>Drop</i>	(Optional) Drop
<i>Refcount</i>	(Optional) Refcount
<i>Origin</i>	(Optional) origin
<i>State</i>	(Optional) state
<i>Del</i>	(Optional) del

<i>sw_index</i>	(Optional)
<i>hw_index0</i>	(Optional)
<i>hw_index1</i>	(Optional)
<i>hw_index2</i>	(Optional)

Command Mode

- /exec

show forwarding nve l3 ecmp

```
show forwarding nve l3 ecmp [ __readonly__ { TABLE_nve13ecmp <hw_index> <ecmp_hash> <num_paths>
<table_id> <flags> <adj_flags> <ref_count> { TABLE_tunnel_info [ <tunnel_id> | <tunnel_ip> ] <segment_id>
} <hw_ecmp_index0> <hw_ecmp_index1> <hw_ecmp_index2> } ]
```

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
ecmp	nve ecmp info
<i>__readonly__</i>	(Optional)
TABLE_nve13ecmp	(Optional) nve l3 ecmp table
<i>hw_index</i>	(Optional) hw_index address pointer
<i>ecmp_hash</i>	(Optional) ecmp hash
<i>num_paths</i>	(Optional) numer of members in ECMP
<i>table_id</i>	(Optional) table id
<i>flags</i>	(Optional) flags
<i>adj_flags</i>	(Optional) adj flags
<i>ref_count</i>	(Optional) num of references
TABLE_tunnel_info	(Optional)
<i>tunnel_id</i>	(Optional) tunnel id
<i>tunnel_ip</i>	(Optional) v6 tunnel ip
<i>segment_id</i>	(Optional) segment id
<i>hw_ecmp_index0</i>	(Optional) HW ECMP Index Unit 0
<i>hw_ecmp_index1</i>	(Optional) HW ECMP Index Unit 1
<i>hw_ecmp_index2</i>	(Optional) HW ECMP Index Unit 2

Command Mode

- /exec

show forwarding nve l3 peers

```
show forwarding nve l3 peers [ peers <peer_id> | tunnel <tunnel_id> | detail | module <module> ] + [
__readonly__ { TABLE_l3peers <tunnel_id> <peer_id> <peer_address> <interface> <rmac> <origin> <state>
<del> <count> } ]
```

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l3	Layer 3
peers	nve peers
<i>peer_id</i>	(Optional) nve peer-id
tunnel	(Optional) VXLAN tunnel
<i>tunnel_id</i>	(Optional) Unique identifier for the tunnel
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
__readonly__	(Optional)
TABLE_l3peers	(Optional) all l3 nve peers
<i>tunnel_id</i>	(Optional) tunnel_id
<i>peer_id</i>	(Optional) peer_id
<i>peer_address</i>	(Optional) peer_address
<i>interface</i>	(Optional) interface
<i>rmac</i>	(Optional) rmac
<i>origin</i>	(Optional) origin
<i>state</i>	(Optional) state
<i>del</i>	(Optional) del
<i>count</i>	(Optional) count

Command Mode

- /exec

show forwarding nve underlay-interfaces

```
show forwarding nve underlay-interfaces [ __readonly__ { <broadcast_status> <broadcast_level>
<multicast_status> <multicast_level> <unicast_status> <unicast_level> <no_of_uplink_interfaces> } [ {
TABLE_uplinks <ifindex> <peerid_bmp> <is_dci> [ <phy_if> ] } ] ]
```

Syntax Description

show	show
forwarding	display fib information
nve	NVE related info
underlay-interfaces	underlay interfaces info
<i>__readonly__</i>	(Optional)
<i>broadcast_status</i>	(Optional) status
<i>broadcast_level</i>	(Optional) broadcast level
<i>multicast_status</i>	(Optional) multicast status
<i>multicast_level</i>	(Optional) multicast level
<i>unicast_status</i>	(Optional) unicast status
<i>unicast_level</i>	(Optional) unicast level
<i>no_of_uplink_interfaces</i>	(Optional) Number of uplink interfaces
TABLE_uplinks	(Optional)
<i>ifindex</i>	(Optional) uplink ifindex
<i>phy_if</i>	(Optional) uplink physical interface
<i>peerid_bmp</i>	(Optional) peerid bitmap
<i>is_dci</i>	(Optional) dci flag

Command Mode

- /exec

show forwarding otv

```
show forwarding otv <intf> [ peer <peer-id> ] [ module <module> ] [ __readonly__ <vlan> <peer-id>
<peer_vlan_count><tunnel_ifindex><tunnel_ifname> ]
```

Syntax Description

show	
forwarding	fib information
otv	overlay-transport-virtualization
<i>intf</i>	overlay interface
peer	(Optional) overlay peer
<i>peer-id</i>	(Optional) overlay peer-id
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>__readonly__</i>	(Optional)
<i>vlan</i>	(Optional) Vlan information
<i>peer-id</i>	(Optional) peer-id

Command Mode

- /exec

show forwarding otv ipv6 multicast route

```
show forwarding otv ipv6 multicast route [ vlan <vlan_id> ] [ module <module> ] [ _readonly_ [ <table_type> ] [ <vlan-id> ] [ <replicator> ] [ <num_routes> ] [ <num_starg_routes> ] [ <num_sg_routes> ] [ <num_gprefix_routes> ] [ <num_prefix_insert_fail> ] [ <num_groups> ] [ <num_sources> ] [ { TABLE_otv_mroute [ <src_addr> ] [ <src_len> ] [ <grp_addr> ] [ <grp_len> ] [ <df_ordinal> ] [ <rpff> ] [ <flag> ] [ <route_pkts> ] [ <route_bytes> ] [ <otv_route_pkts> ] [ <otv_route_bytes> ] [ { TABLE_OIF <oif_count> [ <oiflist_id> ] [ <index> ] [ <refcount> ] [ { TABLE_OIFLIST <oifindex> [ <oif_pkts> ] [ <oif_bytes> ] [ <src_addr> ] [ <src_len> ] [ <oifname> ] [ <vlanid> ] [ <grp_addr> ] [ <grp_len> ] [ <otv_src_addr> ] [ <otv_grp_addr> ] } } ] } ] } ] }
```

Syntax Description

show	show
forwarding	forwarding
otv	over-the-top virtualization
ipv6	ipv6
multicast	Multicast IPv6 information
route	Mcast route information
vlan	(Optional) vlan
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>_readonly_</i>	(Optional)
<i>table_type</i>	(Optional) Table Type
<i>vlan-id</i>	(Optional) vlan id
<i>replicator</i>	(Optional) replicator name
<i>num_routes</i>	(Optional) Number of routes
<i>num_starg_routes</i>	(Optional) Number of (*,G) routes
<i>num_sg_routes</i>	(Optional) Number of (S,G) routes
<i>num_gprefix_routes</i>	(Optional) Number of (*,G-prefix) routes
<i>num_prefix_insert_fail</i>	(Optional) Prefix insert fail count
<i>num_groups</i>	(Optional) Number of group entries in the table
<i>num_sources</i>	(Optional) Number of (S, G) entries for the group address

TABLE_otv_mroute	(Optional)
<i>src_addr</i>	(Optional) Ipv6 address string
<i>src_len</i>	(Optional) Source Address Mask
<i>grp_addr</i>	(Optional) Ipv6 address string
<i>grp_len</i>	(Optional) Group address Mask
<i>df_ordinal</i>	(Optional) DF ordinal
<i>rpfif</i>	(Optional) RPF interface
<i>flag</i>	(Optional) Route type flag
<i>route_pkts</i>	(Optional) Route packet count
<i>route_bytes</i>	(Optional) Route bytes
<i>otv_route_pkts</i>	(Optional) OTV Route packet count
<i>otv_route_bytes</i>	(Optional) OTV Route bytes
TABLE_OIF	(Optional)
<i>oif_count</i>	(Optional) Number of OIFs
<i>oiflist_id</i>	(Optional) OIF list Identifier
<i>index</i>	(Optional) outgoing interface list index
<i>refcount</i>	(Optional) reference count
TABLE_OIFLIST	(Optional)
<i>oifindex</i>	(Optional) OIF Interface ifIndex
<i>oif_pkts</i>	(Optional) OIF packets
<i>oif_bytes</i>	(Optional) OIF bytes
<i>src_addr</i>	(Optional) Multicast IPv4 Source Address
<i>src_len</i>	(Optional) Source Address Mask
<i>oifname</i>	(Optional) OIF Interface name
<i>vlanid</i>	(Optional) vlan id of the route
<i>grp_addr</i>	(Optional) Multicast IPv4 Group Address
<i>grp_len</i>	(Optional) Group address Mask
<i>otv_src_addr</i>	(Optional) Multicast IPv4 Source Address
<i>otv_grp_addr</i>	(Optional) Multicast IPv4 Group Address

Command Mode

- /exec

show forwarding otv multicast outgoing-interface-list

```
show forwarding otv multicast outgoing-interface-list [ __readonly__ { TABLE_OIF <index> [ <refcount>
] [ <intf> ] [ { TABLE_OIFLIST <oifindex> [ <src_addr> ] [ <src_len> ] [ <oifname> ] [ <vlanid> ] [
<grp_addr> ] [ <grp_len> ] } ] } ]
```

Syntax Description

show	
forwarding	Forwarding information
otv	over-the-top virtualization
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info
<i>__readonly__</i>	(Optional)
TABLE_OIF	(Optional) outgoing interface list table
<i>index</i>	(Optional) outgoing interface list index
<i>refcount</i>	(Optional) reference count
<i>intf</i>	(Optional) interface name
TABLE_OIFLIST	(Optional) outgoing interface list table
<i>oifindex</i>	(Optional) OIF Interface ifIndex
<i>src_addr</i>	(Optional) Multicast IPv4 Source Address
<i>src_len</i>	(Optional) Source Address Mask
<i>oifname</i>	(Optional) OIF Interface name
<i>vlanid</i>	(Optional) vlan id of the route
<i>grp_addr</i>	(Optional) Multicast IPv4 Group Address
<i>grp_len</i>	(Optional) Group address Mask

Command Mode

- /exec

show forwarding otv multicast route

```
show forwarding otv multicast route [ [ vlan <vlan-id> ] | [ softwarebd <software-bd> ] ] [ module <module> ] [ __readonly__ <replicator> ]
```

Syntax Description

show	show
forwarding	forwarding
otv	over-the-top virtualization
multicast	Multicast IPv4 information
route	Mcast route information
vlan	(Optional) vlan
<i>vlan-id</i>	(Optional) vlan id
softwarebd	(Optional) Software Bridge Domain
<i>software-bd</i>	(Optional) Software bd
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>replicator</i>	(Optional) replicator name

Command Mode

- /exec

show forwarding otv vlan

```
show forwarding otv vlan [ <vlan_id> ] [ module <module> ] [ __readonly__ <vlan> ]
```

Syntax Description

show	show
forwarding	forwarding
otv	otv
vlan	vlan
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>__readonly__</i>	(Optional)
<i>vlan</i>	(Optional) vlan

Command Mode

- /exec

show forwarding proactive-cc inconsistencies

```
show forwarding proactive-cc inconsistencies [ all ] [ __readonly__ [ <cc_status> ] [ TABLE_v4adj_hdr
<incons_v4_adj> [ TABLE_v4_adj <id> <slot> <vrf> <ipaddr> <intf> <reason> <time> ] ] [
TABLE_v4route_hdr <incons_v4_routes> [ TABLE_v4_routes <id> <slot> <vrf> <ipprefix> <reason>
<time> ] ] [ TABLE_v6adj_hdr <incons_v6_adj> [ TABLE_v6_adj <id> <slot> <vrf> <ipv6addr> <intf>
<reason> <time> ] ] [ TABLE_v6route_hdr <incons_v6_routes> [ TABLE_v6_routes <id> <slot> <vrf>
<ipv6prefix> <reason> <time> ] ] ]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
proactive-cc	Proactive Consistency Checker
inconsistencies	Display latest CC run inconsistencies
all	(Optional) Display all previous CC run's inconsistencies
__readonly__	(Optional)
cc_status	(Optional) proactive cc status
TABLE_v4adj_hdr	(Optional) Table v4 adjacency header
incons_v4_adj	(Optional) Inconsistent Adjacency header
TABLE_v4_adj	(Optional) Table for v4 Adjacency
id	(Optional) Serial number
slot	(Optional) Slot number
vrf	(Optional) Vrf name
ipaddr	(Optional) Adjacency prefix
intf	(Optional) Interface
reason	(Optional) Inconsistency reason
time	(Optional) Timestamp
TABLE_v4route_hdr	(Optional) Table v4 route header
incons_v4_routes	(Optional) Inconsistent Route Header
TABLE_v4_routes	(Optional) Table for v4 routes
id	(Optional) Serial number
slot	(Optional) Slot number

<i>vrf</i>	(Optional) Vrf name
<i>ipprefix</i>	(Optional) Route Prefix
<i>reason</i>	(Optional) Inconsistency reason
<i>time</i>	(Optional) Timestamp
TABLE_v6adj_hdr	(Optional) Table v6 adjacency header
<i>incons_v6_adj</i>	(Optional) Inconsistent v6 Adjacency header
TABLE_v6_adj	(Optional) Table for v6 Adjacency
<i>id</i>	(Optional) Serial Number
<i>slot</i>	(Optional) Slot Number
<i>vrf</i>	(Optional) Vrf name
<i>intf</i>	(Optional) Interface
<i>reason</i>	(Optional) Inconsistency reason
<i>time</i>	(Optional) Timestamp
TABLE_v6route_hdr	(Optional) Table v6 Route header
<i>incons_v6_routes</i>	(Optional) Inconsistent route header
TABLE_v6_routes	(Optional) Table for v6 route
<i>id</i>	(Optional) Serial number
<i>slot</i>	(Optional) Slot number
<i>vrf</i>	(Optional) Vrf name
<i>reason</i>	(Optional) Inconsistency reason
<i>time</i>	(Optional) Timestamp

Command Mode

- /exec

show forwarding security group-tag

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> | vlan <vlan_id> ] [
ipv4 ] security group-tag [ <addr> ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all>
} ] + [ __readonly__ TABLE_sgt_vrf { <tid> <pfx-count> [ TABLE_sgt_prefix [ <ipa> ] [ <tag> ] [ <tv> ]
} ] ]
```

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
vlan	(Optional) vlan
<i>vlan_id</i>	(Optional) vlan number
ipv4	(Optional) ipv4
security	display IP security information
group-tag	ip_address->security_group_tag
<i>addr</i>	(Optional) specific ip address
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
TABLE_sgt_vrf	(Optional) vrf table
<i>tid</i>	(Optional) table identifier
<i>pfx-count</i>	(Optional) total prefix count in VRF
TABLE_sgt_prefix	(Optional) all xml prefix entries
<i>ipa</i>	(Optional) ip address
<i>tag</i>	(Optional) security group tag

<i>tv</i>	(Optional) sgt valid
-----------	----------------------

Command Mode

- /exec

show forwarding security mac

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ ipv4 ] security
mac [ <addr> ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] + [ __readonly__
TABLE_sec_vrf { <tid> <pfx-count> [ TABLE_sec_prefix <ipa> <mac> <p> <m> <v> <intf> } ] ]
```

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
ipv4	(Optional) ipv4
security	display IP security information
mac	ip_address->mac_address
<i>addr</i>	(Optional) specific ip address
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
TABLE_sec_vrf	(Optional) security vrf table
<i>tid</i>	(Optional) table identifier
<i>pfx-count</i>	(Optional) total prefix count in VRF
TABLE_sec_prefix	(Optional) all xml security prefix entries
<i>ipa</i>	(Optional) ip address
<i>mac</i>	(Optional) mac address
<i>m</i>	(Optional) 1 => ip->mac binding
<i>v</i>	(Optional) 1 => ip->vlan binding
<i>p</i>	(Optional) 1 => ip->port binding

<i>intf</i>	(Optional) ip->port interface
-------------	-------------------------------

Command Mode

- /exec

show forwarding srv6 adjacency decap

```
show forwarding srv6 adjacency decap [ table <table_id> ] [ module <num> ] [ __readonly__ {
TABLE_adj_decap <locator> <function> <behavior> <tableid> <bd> <is_drop> } ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
adjacency	SRV6 adjacency
decap	Decapsulation adjacency
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
<i>bd</i>	(Optional) Bridge domain
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
<i>__readonly__</i>	(Optional)
TABLE_adj_decap	(Optional) all SRV6 decap adjacencies
<i>locator</i>	(Optional) Locator or binding sid
<i>function</i>	(Optional) Function
<i>behavior</i>	(Optional) Behavior
<i>tableid</i>	(Optional) tabled number
<i>is_drop</i>	(Optional) Indicates if adjacency is a drop

Command Mode

- /exec

show forwarding srv6 adjacency encap

```
show forwarding srv6 adjacency encap [ table <table_id> ] [ module <num> ] [ __readonly__ {
TABLE_adj_encap <loc_bsid> <source_ip> <function> <tableid> <is_drop> <bsid> } ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
adjacency	SRV6 adjacency
encap	Encapsulation adjacency
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
<i>__readonly__</i>	(Optional)
TABLE_adj_encap	(Optional) all SRV6 encap adjacencies
<i>loc_bsid</i>	(Optional) Locator or binding sid
<i>source_ip</i>	(Optional) Source IPV6 address
<i>function</i>	(Optional) Function
<i>tableid</i>	(Optional) tabled number
<i>is_drop</i>	(Optional) Indicates if adjacency is a drop
<i>bsid</i>	(Optional) binding sid

Command Mode

- /exec

show forwarding srv6 bsid-peer

```
show forwarding srv6 bsid-peer [ <bsid_value> ] [ <endpoint> ] [ module <num> ] [ __readonly__ {
TABLE_bsid_peer <bsid> <endpoint> <type> <table_id> <peer-id> } ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
bsid-peer	Binding SID identifier
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
<i>__readonly__</i>	(Optional)
TABLE_bsid_peer	(Optional) BSID peer table
<i>bsid</i>	(Optional) Bsid value
<i>endpoint</i>	(Optional) Endpoint
<i>type</i>	(Optional) BSID type
<i>table_id</i>	(Optional) Table ID
<i>peer-id</i>	(Optional) Peer ID

Command Mode

- /exec

show forwarding srv6 bsid

```
show forwarding srv6 bsid [ <bsid_value> ] [ module <num> ] [ __readonly__ { TABLE_bsid <bsid> <type>
<table_id> <num_sids> <sid_list> <list_count> } ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
bsid	Binding SID
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
<i>__readonly__</i>	(Optional)
TABLE_bsid	(Optional) BSID table
<i>table_id</i>	(Optional) Table ID
<i>type</i>	(Optional) BSID type
<i>num_sids</i>	(Optional) Number of SID's in list
<i>bsid</i>	(Optional) Bsid value
<i>sid_list</i>	(Optional) SID in list
<i>list_count</i>	(Optional) Number of dependent peer objects

Command Mode

- /exec

show forwarding srv6 ecmp

```
show forwarding srv6 ecmp [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> ] [ module <num> ] [ __readonly__ { TABLE_ecmp <num_paths> <table_id> { TABLE_adj <loc_bsid> <source_ip> <function> } } ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
ecmp	SRV6 ecmp
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
__readonly__	(Optional)
TABLE_ecmp	(Optional) ecmp table
<i>num_paths</i>	(Optional) No of paths
<i>table_id</i>	(Optional) table number
TABLE_adj	(Optional) Adjacency table
<i>loc_bsid</i>	(Optional) Locator or binding sid
<i>source_ip</i>	(Optional) Source IPV6 address
<i>function</i>	(Optional) Function

Command Mode

- /exec

show forwarding srv6 local-sid

```
show forwarding srv6 local-sid [ <sid_value> ] [ detail ] [ module <num> ] [ __readonly__ { TABLE_local_sid
<locator> <source_ip> <function> <behavior> <sid> } ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
local-sid	local segment identifier
detail	(Optional) Details about SID
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
<i>__readonly__</i>	(Optional)
TABLE_local_sid	(Optional) Local SID info
<i>locator</i>	(Optional) Locator
<i>source_ip</i>	(Optional) Source IPV6 address
<i>function</i>	(Optional) function
<i>behavior</i>	(Optional) Behavior
<i>sid</i>	(Optional) Segment identifier

Command Mode

- /exec

show forwarding srv6 peers

```
show forwarding srv6 peers [ module <num> ] [ __readonly__ { TABLE_peers <peer_id> <locator>
<source_ip> <vobj_count> } ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
peers	SRV6 peer
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
<i>__readonly__</i>	(Optional)
TABLE_peers	(Optional) all SRV6 peers
<i>peer_id</i>	(Optional) peer_id
<i>locator</i>	(Optional) Locator
<i>source_ip</i>	(Optional) Source IPV6 address
<i>vobj_count</i>	(Optional) Number of VOBJs dependent on this peer

Command Mode

- /exec

show forwarding trace

show forwarding trace [clear] [module <module>] [__readonly__ <op>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
clear	(Optional) clear the trace buffer
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>op</i>	(Optional) output

Command Mode

- /exec

show forwarding trace profile

show forwarding trace profile

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information

Command Mode

- /exec

show forwarding trace profile funcstats

show forwarding trace profile funcstats [enable | disable] [module <module>] [__readonly__ <op>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information
funcstats	function statistics
enable	(Optional) enable function statistics
disable	(Optional) disable function statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number
__readonly__	(Optional)
<i>op</i>	(Optional) output

Command Mode

- /exec

show frequency synchronization clock-interface brief

```
show frequency synchronization clock-interface brief [ __readonly__ [ TABLE_fsync <clock_name>
<source_class> <clock_node> <clock_id> <clock_state> <assigned_for_selection> <ssm_support>
<ssm_enabled> <loop_back> <sqlched> <input_disabled> <output_disabled> <ql_rcv_option> <ql_rcv>
<ql_use_option> <ql_use> <priority> <ql_snt_option> <ql_snt> <selected_source_class> <selected_source_ifh>
<selected_source_clock_node> <selected_source_clock_id> <selected_source_clock_name> ] <fsync-end>
]
```

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
clock-interface	Display clock-interface information
brief	Displays all interfaces
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_fsync</i>	(Optional) fsync_mgr table
<i>source_class</i>	(Optional) class of the source
<i>clock_node</i>	(Optional) clock's node id
<i>clock_id</i>	(Optional) clock's id
<i>clock_name</i>	(Optional) clock name
<i>clock_state</i>	(Optional) clock state
<i>assigned_for_selection</i>	(Optional) whether assigned as selection input
<i>ssm_support</i>	(Optional) ssm support - enabled or disabled
<i>ssm_enabled</i>	(Optional) ssm enabled - enabled or disabled
<i>loop_back</i>	(Optional) loopback enabled or disabled
<i>sqlched</i>	(Optional) output is sqlched or not
<i>input_disabled</i>	(Optional) input disabled or enabled
<i>output_disabled</i>	(Optional) output disabled or enabled
<i>ql_rcv_option</i>	(Optional) ql rcv option
<i>ql_rcv</i>	(Optional) ql rcv
<i>ql_use_option</i>	(Optional) ql use option

<i>ql_use</i>	(Optional) ql use
<i>priority</i>	(Optional) priority of synce port
<i>ql_snt_option</i>	(Optional) ql snt option
<i>ql_snt</i>	(Optional) ql snt
<i>selected_source_class</i>	(Optional) selected source class type
<i>selected_source_ifh</i>	(Optional) selected source ifh
<i>selected_source_clock_node</i>	(Optional) selected source clock node
<i>selected_source_clock_id</i>	(Optional) selected source clock id
<i>selected_source_clock_name</i>	(Optional) selected sourced clock name
<i>fsync-end</i>	(Optional) End of table

Command Mode

- /exec

show frequency synchronization clock-interface detail

```
show frequency synchronization clock-interface detail [ __readonly__ [ TABLE_fsyc <clock_name>
<source_class> <clock_node> <clock_id> <clock_state> <clock_type> <pd_down_reason> <selection_input>
<wtr_time> <ssm_state> <ssm_support> <input_disabled> <input_damping_state> <input_damping_time>
<cfgd_in_ql_min_option> <cfgd_in_ql_min> <cfgd_in_ql_max_option> <cfgd_in_ql_max>
<cfgd_in_ql_exact_option> <cfgd_in_ql_exact> <effective_in_ql_option> <effective_in_ql> <priority>
<tod_priority> <supp_freq> <supp_time> <loop_back> <output_disabled> <selected_source_class>
<selected_source_ifh> <selected_source_clock_node> <selected_source_clock_id>
<selected_source_clock_name> <selected_source_ql_option> <selected_source_ql> <cfgd_out_ql_min_option>
<cfgd_out_ql_min> <cfgd_out_ql_max_option> <cfgd_out_ql_max> <cfgd_out_ql_exact_option>
<cfgd_out_ql_exact> <effective_out_ql_option> <effective_out_ql> <sqelched> <num_next_seln_points>
<next_selection_points> + <current_clock_end> ] <fsync-end> ]
```

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
clock-interface	Display clock-interface information
detail	details
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_fsyc</i>	(Optional) fsync_mgr table
<i>source_class</i>	(Optional) class of the source
<i>clock_node</i>	(Optional) clock's node id
<i>clock_id</i>	(Optional) clock's id
<i>clock_name</i>	(Optional) clock name
<i>clock_state</i>	(Optional) clock state
<i>clock_type</i>	(Optional) clock's type
<i>pd_down_reason</i>	(Optional) clock pd down reason
<i>selection_input</i>	(Optional) whether assigned as selection input
<i>wtr_time</i>	(Optional) wait to restore timer value
<i>ssm_state</i>	(Optional) ssm state - enabled or disabled
<i>ssm_support</i>	(Optional) ssm supprt
<i>input_disabled</i>	(Optional) input disabled or enabled

<i>input_damping_state</i>	(Optional) input dampiung state
<i>input_damping_time</i>	(Optional) input damping time
<i>cfgd_in_ql_min_option</i>	(Optional) cfg in min ql option
<i>cfgd_in_ql_min</i>	(Optional) cfg in min ql option
<i>cfgd_in_ql_max_option</i>	(Optional) cfg in max ql option
<i>cfgd_in_ql_max</i>	(Optional) cfg in max ql option
<i>cfgd_in_ql_exact_option</i>	(Optional) cfg in exact ql option
<i>cfgd_in_ql_exact</i>	(Optional) cfg in exact ql option
<i>effective_in_ql_option</i>	(Optional) cfg in ql option
<i>effective_in_ql</i>	(Optional) cfg in ql option
<i>priority</i>	(Optional) priority
<i>tod_priority</i>	(Optional) time of day priority
<i>supp_freq</i>	(Optional) supporting freq sync or time sync
<i>supp_time</i>	(Optional) supporting time sync
<i>loop_back</i>	(Optional) loopback enabled or disabled
<i>output_disabled</i>	(Optional) output disabled or enabled
<i>selected_source_class</i>	(Optional) selected source class type
<i>selected_source_ifh</i>	(Optional) selected source ifh
<i>selected_source_clock_node</i>	(Optional) selected source clock node
<i>selected_source_clock_id</i>	(Optional) selected source clock id
<i>selected_source_clock_name</i>	(Optional) selected sourced clock name
<i>selected_source_ql_option</i>	(Optional) selected source ql option
<i>selected_source_ql</i>	(Optional) effective out ql option
<i>cfgd_out_ql_min_option</i>	(Optional) cfg out min ql option
<i>cfgd_out_ql_min</i>	(Optional) cfg out min ql option
<i>cfgd_out_ql_max_option</i>	(Optional) cfg out max ql option
<i>cfgd_out_ql_max</i>	(Optional) cfg out max ql option
<i>cfgd_out_ql_exact_option</i>	(Optional) cfg out exact ql option
<i>cfgd_out_ql_exact</i>	(Optional) cfg out exact ql option

<i>effective_out_ql_option</i>	(Optional) effective out ql option
<i>effective_out_ql</i>	(Optional) effective out ql option
<i>squelched</i>	(Optional) output is squelched or not
<i>num_next_seln_points</i>	(Optional) num of next seln points
<i>next_selection_points</i>	(Optional) next selection points
<i>current_clock_end</i>	(Optional) cuurent clock end
<i>fsync-end</i>	(Optional) End of table

Command Mode

- /exec

show frequency synchronization configuration errors

```
show frequency synchronization configuration errors [ __readonly__ [ TABLE_fsync <fsync_src> <enable_err>
<input_min_err> <input_exact_err> <input_max_err> <output_min_err> <output_exact_err> <output_max_err>
<ext_ql_input_min_err> <ext_ql_input_exact_err> <ext_ql_input_max_err> <ext_ql_output_min_err>
<ext_ql_output_exact_err> <ext_ql_output_max_err> <input_output_mismatch> <input_min_ql_option>
<input_min_ql> <input_exact_ql_option> <input_exact_ql> <input_max_ql_option> <input_max_ql>
<output_min_ql_option> <output_min_ql> <output_exact_ql_option> <output_exact_ql>
<output_max_ql_option> <output_max_ql> <cmd_src_index> ] <fsync-end> ]
```

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
configuration	configuration
errors	errors
<u>__readonly__</u>	(Optional) Read Only
TABLE_fsync	(Optional) fsync_mgr table
fsync_src	(Optional) Interface Index
enable_err	(Optional) freq sync enable error
input_min_err	(Optional) Minimum input QL option config error
input_exact_err	(Optional) Exact input QL config error
input_max_err	(Optional) Maximum input QL option config error
output_min_err	(Optional) Minimum output QL option config error
output_exact_err	(Optional) Exact output QL option config error
output_max_err	(Optional) Maximum output QL option config error
ext_ql_input_min_err	(Optional) minimum input extended Ql config error
ext_ql_input_exact_err	(Optional) exact input extended Ql config error
ext_ql_input_max_err	(Optional) maximum input extended Ql config error
ext_ql_output_min_err	(Optional) min output extended ql config error
ext_ql_output_exact_err	(Optional) exact output extended ql config error
ext_ql_output_max_err	(Optional) max output extended ql config error
input_output_mismatch	(Optional) input/output mismatch error

<i>input_min_ql_option</i>	(Optional) input min ql option
<i>input_min_ql</i>	(Optional) configured min input ql
<i>input_exact_ql_option</i>	(Optional) input exact ql option
<i>input_exact_ql</i>	(Optional) configured exact input ql
<i>input_max_ql_option</i>	(Optional) input exact ql option
<i>input_max_ql</i>	(Optional) configured max input ql
<i>output_min_ql_option</i>	(Optional) output min ql option
<i>output_min_ql</i>	(Optional) configured min output ql
<i>output_exact_ql_option</i>	(Optional) output exact ql option
<i>output_exact_ql</i>	(Optional) configured exact output ql
<i>output_max_ql_option</i>	(Optional) output exact ql option
<i>output_max_ql</i>	(Optional) configured max output ql
<i>cmd_src_index</i>	(Optional) index for source array
<i>fsync-end</i>	(Optional) End of table

Command Mode

- /exec

show frequency synchronization interface

```
show frequency synchronization interface <if0> [ __readonly__ <if_state> <selection_input> <wtr_time>
<ssm_state> <esmc_peer_state> <esmc_peer_time_secs> <esmc_peer_time_nsecs> <last_ssm_time_secs>
<last_ssm_time_nsecs> <peer_up_count> <peer_timeout_count> <esmc_infos_sent> <esmc_events_sent>
<esmc_dnus_sent> <esmc_infos_rcvd> <esmc_events_rcvd> <esmc_dnus_rcvd> <esmc_malformed_rcvd>
<esmc_rcvd_error> <input_damping_state> <input_damping_time> [ <last_rcvd_ql_option> ] [ <last_rcvd_ql>
] <cfgd_in_ql_min_option> <cfgd_in_ql_min> <cfgd_in_ql_max_option> <cfgd_in_ql_max>
<cfgd_in_ql_exact_option> <cfgd_in_ql_exact> [ <effective_in_ql_option> ] [ <effective_in_ql> ] <priority>
<tod_priority> [ <ql_data_rcvd_has_ext_data> ] [ <ql_data_rcvd_orig_clock_id> ] [
<ql_data_rcvd_synce_steps> ] [ <ql_data_rcvd_esynce_steps> ] [ <ql_data_rcvd_all_steps_synce> ] [
<ql_data_rcvd_chain_complete> ] <supp_freq> <supp_time> [ <selected_source_class> ] [
<selected_source_ifh> ] [ <selected_source_clock_node> ] [ <selected_source_clock_id> ] [
<selected_source_clock_name> ] [ <selected_source_ql_option> ] [ <selected_source_ql> ]
<cfgd_out_ql_min_option> <cfgd_out_ql_min> <cfgd_out_ql_max_option> <cfgd_out_ql_max>
<cfgd_out_ql_exact_option> <cfgd_out_ql_exact> [ <effective_out_ql_option> ] [ <effective_out_ql> ] [
<ql_data_to_send_has_ext_data> ] [ <ql_data_to_send_orig_clock_id> ] [ <ql_data_to_send_synce_steps>
] [ <ql_data_to_send_esynce_steps> ] [ <ql_data_to_send_all_steps_synce> ] [
<ql_data_to_send_chain_complete> ] <sqelched> <num_next_seln_points> <next_selection_points> + ]
```

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
interface	Display interface information
<i>if0</i>	
<i>__readonly__</i>	(Optional) Read Only
<i>if_state</i>	(Optional) interface state
<i>selection_input</i>	(Optional) whether assigned as selection input
<i>wtr_time</i>	(Optional) wait to restore timer value
<i>ssm_state</i>	(Optional) ssm state - enabled or disabled
<i>esmc_peer_state</i>	(Optional) esmc peer state
<i>esmc_peer_time_secs</i>	(Optional) peer up or down time recorded secs
<i>esmc_peer_time_nsecs</i>	(Optional) peer up or down time recorded nsecs
<i>last_ssm_time_secs</i>	(Optional) last ssm received time in secs
<i>last_ssm_time_nsecs</i>	(Optional) last ssm received time in nsecs
<i>peer_up_count</i>	(Optional) no of times peer went up

show frequency synchronization interface

<i>peer_timeout_count</i>	(Optional) no of times peer timed out
<i>esmc_infos_sent</i>	(Optional) esmc infos sent
<i>esmc_events_sent</i>	(Optional) esmc events sent
<i>esmc_dnus_sent</i>	(Optional) esmc dnus sent
<i>esmc_infos_rcvd</i>	(Optional) esmc infos rcvd
<i>esmc_events_rcvd</i>	(Optional) esmc events rcvd
<i>esmc_dnus_rcvd</i>	(Optional) esmc dnus rcvd
<i>esmc_malformed_rcvd</i>	(Optional) esmc malformed rcvd frames
<i>esmc_rcvd_error</i>	(Optional) esmc rcvd frame errors
<i>input_damping_state</i>	(Optional) input dampiung state
<i>input_damping_time</i>	(Optional) input damping time
<i>last_rcvd_ql_option</i>	(Optional) last ql rcv option
<i>last_rcvd_ql</i>	(Optional) last rcvd ql
<i>cfgd_in_ql_min_option</i>	(Optional) cfgd in ql min option
<i>cfgd_in_ql_min</i>	(Optional) cfg in ql min
<i>cfgd_in_ql_max_option</i>	(Optional) cfgd in ql mAX option
<i>cfgd_in_ql_max</i>	(Optional) cfgd in max ql
<i>cfgd_in_ql_exact_option</i>	(Optional) cfgd in ql exact option
<i>cfgd_in_ql_exact</i>	(Optional) cfgd in exact ql
<i>effective_in_ql_option</i>	(Optional) effe in ql option
<i>effective_in_ql</i>	(Optional) eff in ql
<i>priority</i>	(Optional) priority
<i>tod_priority</i>	(Optional) time of day priority
<i>ql_data_rcvd_has_ext_data</i>	(Optional) ql data rcvd extended data or not
<i>ql_data_rcvd_synce_steps</i>	(Optional) ql data rcvd synce steps
<i>ql_data_rcvd_esynce_steps</i>	(Optional) ql data rcvd extended synce steps
<i>ql_data_rcvd_all_steps_synce</i>	(Optional) ql data rcvd all steps synce or not
<i>ql_data_rcvd_chain_complete</i>	(Optional) ql data rcvd chain complete
<i>supp_freq</i>	(Optional) supporting freq sync or time sync

<i>supp_time</i>	(Optional) supporting time sync
<i>selected_source_class</i>	(Optional) selected source class type
<i>selected_source_ifh</i>	(Optional) selected source ifh
<i>selected_source_clock_node</i>	(Optional) selected source clock node
<i>selected_source_clock_id</i>	(Optional) selected source clock id
<i>selected_source_clock_name</i>	(Optional) selected sourced clock name
<i>selected_source_ql_option</i>	(Optional) selected source ql option
<i>selected_source_ql</i>	(Optional) selected source ql
<i>cfgd_out_ql_min_option</i>	(Optional) cfgd out ql min option
<i>cfgd_out_ql_min</i>	(Optional) cfg out ql min
<i>cfgd_out_ql_max_option</i>	(Optional) cfgd out ql max option
<i>cfgd_out_ql_max</i>	(Optional) cfgd out max ql
<i>cfgd_out_ql_exact_option</i>	(Optional) cfgd out ql exact option
<i>cfgd_out_ql_exact</i>	(Optional) cfgd out exact ql
<i>effective_out_ql_option</i>	(Optional) eff out ql option
<i>effective_out_ql</i>	(Optional) effec out ql
<i>ql_data_to_send_has_ext_data</i>	(Optional) ql data to send extended data or not
<i>ql_data_to_send_synce_steps</i>	(Optional) ql data send synce steps
<i>ql_data_to_send_esynce_steps</i>	(Optional) ql data send extended synce steps
<i>ql_data_to_send_all_steps_synce</i>	(Optional) ql data send all steps synce or not
<i>ql_data_to_send_chain_complete</i>	(Optional) ql data send chain complete
<i>sqelched</i>	(Optional) output is squelched or not
<i>num_next_seln_points</i>	(Optional) num of next seln points
<i>next_selection_points</i>	(Optional) next selection points

Command Mode

- /exec

show frequency synchronization interface brief

```
show frequency synchronization interface brief [ __readonly__ [ TABLE_fsync <fsync_port> <if_state>
<assigned_for_selection> <ssm_state> <esmc_peer_state> <sqlched> [ <ql_rcv_option> ] [ <ql_rcv> ] [
<ql_use_option> ] [ <ql_use> ] <priority> [ <ql_snt_option> ] [ <ql_snt> ] [ <selected_source_class> ] [
<selected_source_ifh> ] [ <selected_source_clock_node> ] [ <selected_source_clock_id> ] [
<selected_source_clock_name> ] <port_end> ] <fsync-end> ]
```

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
interface	Display interface information
brief	Displays all interfaces
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_fsync</i>	(Optional) fsync_mgr table
<i>fsync_port</i>	(Optional) Interface Index
<i>if_state</i>	(Optional) interface state
<i>assigned_for_selection</i>	(Optional) whether assigned as selection input
<i>ssm_state</i>	(Optional) ssm state - enabled or disabled
<i>esmc_peer_state</i>	(Optional) esmc peer state
<i>sqlched</i>	(Optional) output is sqlched or not
<i>ql_rcv_option</i>	(Optional) ql rcv option
<i>ql_rcv</i>	(Optional) ql rcv
<i>ql_use_option</i>	(Optional) ql use option
<i>ql_use</i>	(Optional) ql use
<i>priority</i>	(Optional) priority of synce port
<i>ql_snt_option</i>	(Optional) ql snt option
<i>ql_snt</i>	(Optional) ql snt
<i>selected_source_class</i>	(Optional) selected source class type
<i>selected_source_ifh</i>	(Optional) selected source ifh
<i>selected_source_clock_node</i>	(Optional) selected source clock node

<i>selected_source_clock_id</i>	(Optional) selected source clock id
<i>selected_source_clock_name</i>	(Optional) selected sourced clock name
<i>port_end</i>	(Optional) end of current port
<i>fsync-end</i>	(Optional) End of table

Command Mode

- /exec

show frequency synchronization selection

```
show frequency synchronization selection [ __readonly__ [ TABLE_sp <seln_pt> <num_inputs>
<num_inputs_selected> <last_programmed_secs> <last_programmed_nsecs> <last_selection_secs>
<last_selection_nsecs> [ <spa_selection_points> + ] [ <spa_selection_points_num> ] [ <node_selection_points>
+ ] [ <node_selection_points_num> ] [ <chassis_selection_points> + ] [ <chassis_selection_points_num> ] [
<router_selection_points> + ] [ <router_selection_points_num> ] <tod_sp> <local_line_output>
<local_clock_output> <local_tod_output> <stream_table_start> [ TABLE_stream <output_id> <input>
<last_sp> <ql> [ <tod_priority> ] <priority> <state> ] <stream-end> ] <sp-end> ]
```

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
selection	Display selection information
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_sp</i>	(Optional) fsync_mgr table
<i>seln_pt</i>	(Optional) selection points
<i>num_inputs</i>	(Optional) num of inputs
<i>num_inputs_selected</i>	(Optional) num of inputs
<i>last_programmed_secs</i>	(Optional) last programmed time:secs
<i>last_programmed_nsecs</i>	(Optional) last programmed time:nsecs
<i>last_selection_secs</i>	(Optional) last selection time:secs
<i>last_selection_nsecs</i>	(Optional) last selection time:nsecs
<i>spa_selection_points</i>	(Optional) SPA selection points
<i>spa_selection_points_num</i>	(Optional) Number of SPA selection points
<i>node_selection_points</i>	(Optional) Node selection points
<i>node_selection_points_num</i>	(Optional) Number of node selection points
<i>chassis_selection_points</i>	(Optional) chassis selection points
<i>chassis_selection_points_num</i>	(Optional) Number of chassis selection points
<i>router_selection_points</i>	(Optional) router selection points
<i>router_selection_points_num</i>	(Optional) Number of Router selection points
<i>tod_sp</i>	(Optional) Use Time of day selection point else freq sp

<i>local_line_output</i>	(Optional) used for local line output or not
<i>local_clock_output</i>	(Optional) used for local clock output or not
<i>local_tod_output</i>	(Optional) used for local time of day output or not
<i>stream_table_start</i>	(Optional) stream table start
TABLE_stream	(Optional) stream table
<i>output_id</i>	(Optional) output id of stream
<i>input</i>	(Optional) source input for the stream
<i>last_sp</i>	(Optional) last selection point string
<i>ql</i>	(Optional) QL of the selected source
<i>tod_priority</i>	(Optional) time of day priority
<i>priority</i>	(Optional) priority of source
<i>state</i>	(Optional) state of the stream
<i>stream-end</i>	(Optional) End of SP table
<i>sp-end</i>	(Optional) End of SP table

Command Mode

- /exec

show fspf

show fspf

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show fspf database

```
show fspf database [ vsan <i0> [ [ domain <i1> ] [ detail ] ] ]
```

Syntax Description

show	Show running system information
database	Show FSPF link state database
vsan	(Optional) Enter VSAN
<i>i0</i>	(Optional) VSAN id
domain	(Optional) Show LSR of a domain
<i>i1</i>	(Optional) domain index
detail	(Optional) Gives detailed information on the LSR

Command Mode

- /exec

show fspf interface

show fspf interface

Syntax Description

show	Show running system information
interface	Show FSPF related information about an interface

Command Mode

- /exec

show fspf vsan

show fspf vsan <i0>

Syntax Description

show	Show running system information
vsan	Enter VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec

show fspf vsan interface

show fspf vsan <i0> interface [<if0>]

Syntax Description

show	Show running system information
vsan	Enter VSAN
<i>i0</i>	VSAN id
interface	Show FSPF related information about an interface
<i>if0</i>	(Optional) Show FSPF related information about an interface

Command Mode

- /exec

show fte exporter

```
show fte exporter [ name ] [ <exportername> ] [ __readonly__ <exporter> <description> <dest> <vrf> <vrf_id>
<vrf_resolved> <dest_udp> <source_intf> <source_ip> <exporter-id> ]
```

Syntax Description

show	Show running system information
fte	Show FTE information
exporter	Show FTE Exporter Configuration
name	(Optional) Show a specific FTE Exporter
<i>exportername</i>	(Optional) Specify an exporter
<i>__readonly__</i>	(Optional)
<i>exporter</i>	(Optional)
<i>description</i>	(Optional)
<i>dest</i>	(Optional)
<i>vrf</i>	(Optional)
<i>vrf_id</i>	(Optional)
<i>vrf_resolved</i>	(Optional)
<i>dest_udp</i>	(Optional)
<i>source_intf</i>	(Optional)
<i>source_ip</i>	(Optional)
<i>exporter-id</i>	(Optional)

Command Mode

- /exec

show fte monitor

```
show fte monitor [ name ] [ <monitorname> [ cache [ detailed ] ] ] [ __readonly__ <monitor> <use_count>
<description> <record> <event> <exporter1> <exporter2> <bucket_id> <src_addr> <dest_addr> ]
```

Syntax Description

show	Show running system information
fte	Show FTE information
monitor	Show Monitor Configuration
name	(Optional) Show a specific FTE Monitor
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
<i>__readonly__</i>	(Optional)
<i>monitor</i>	(Optional)
<i>use_count</i>	(Optional)
<i>description</i>	(Optional)
<i>record</i>	(Optional)
<i>event</i>	(Optional)
<i>exporter1</i>	(Optional)
<i>exporter2</i>	(Optional)
<i>bucket_id</i>	(Optional)
<i>src_addr</i>	(Optional)
<i>dest_addr</i>	(Optional)

Command Mode

- /exec

show fte record

```
show fte record [ name ] [ { <recordname> } | { fte-original } | { fte { protocol-port | layer2-switched { input
} | { ipv4 | ipv6 | l2 } { original-input } } } ] [ __readonly__ [ { TABLE_fte_record <record> [ <description>
] <use_count> [ <match_ipv4_params> + ] [ <match_ipv6_params> + ] [ <match_datalink_params> + } ] ]
]
```

Syntax Description

show	Show running system information
fte	Show FTE information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific FTE Record
<i>recordname</i>	(Optional) Specify a record
fte-original	(Optional) Traditional IPv4 input FTE with origin ASs
fte	(Optional) Traditional FTE collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	(Optional) L2 collection schemes
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input FTE
input	(Optional) Input FTE
protocol-port	(Optional) Protocol and Ports aggregation scheme
__readonly__	(Optional)
TABLE_fte_record	(Optional) Record Table
<i>record</i>	(Optional) FTE Record
<i>description</i>	(Optional) Description for FTE description
<i>use_count</i>	(Optional) Use count for FTE record
<i>match_ipv4_params</i>	(Optional) Match IPv4 parameters under record
<i>match_ipv6_params</i>	(Optional) Match IPv6 parameters under record
<i>match_datalink_params</i>	(Optional) Match datalink parameters under record

Command Mode

- /exec



G Show Commands

- [show gnss-receiver](#), on page 798
- [show guestshell](#), on page 800

show gnss-receiver

```
show gnss-receiver [ __readonly__ [ TABLE_gnss_rcvr <rcvrid-slot> <rcvrid-port> <enabled> <shutdown>
<antijam_disable> <constellation> <snr_threshold> <elev_threshold> <pdop_threshold> <traim_threshold>
<cable_delay_comp> <polarity_lpps> <available> <lock_status> <rx_mode> <survey_progress>
<holdover_duration> <major_alarm> <minor_alarm> <pdop> <hdop> <vdop> <tdop> <latitude> <longitude>
<altitude> <time> <fw_version> <utc_offset> <sat_data_known> <sat_count> [ TABLE_satellite <prn>
<channel_num> <acq_flag> <ephe_flag> <sv_type> <signal_strength> <elevation> <azimuth> ] <gnssrcvr-end>
] <gnsstable-end> ]
```

Syntax Description

gnss-receiver	Select GNSS Receiver
<i>__readonly__</i>	(Optional) Read Only
TABLE_gnss_rcvr	(Optional) GNSS Receiver Table
<i>rcvrid-slot</i>	(Optional) 1
<i>rcvrid-port</i>	(Optional) 3
<i>enabled</i>	(Optional) 5
<i>shutdown</i>	(Optional) 6
<i>antijam_disable</i>	(Optional) 7
<i>constellation</i>	(Optional) 8
<i>snr_threshold</i>	(Optional) 9
<i>elev_threshold</i>	(Optional) 10
<i>pdop_threshold</i>	(Optional) 11
<i>traim_threshold</i>	(Optional) 12
<i>cable_delay_comp</i>	(Optional) 13
<i>polarity_lpps</i>	(Optional) 14
<i>available</i>	(Optional) 15
<i>lock_status</i>	(Optional) 16
<i>rx_mode</i>	(Optional) 17
<i>survey_progress</i>	(Optional) 18
<i>holdover_duration</i>	(Optional) 19
<i>major_alarm</i>	(Optional) 20
<i>minor_alarm</i>	(Optional) 21

<i>pdop</i>	(Optional) 22
<i>hdop</i>	(Optional) 23
<i>vdop</i>	(Optional) 24
<i>tdop</i>	(Optional) 25
<i>latitude</i>	(Optional) 26
<i>longitude</i>	(Optional) 27
<i>time</i>	(Optional) 29
<i>fw_version</i>	(Optional) 30
<i>utc_offset</i>	(Optional) 31
<i>sat_data_known</i>	(Optional) 32
<i>sat_count</i>	(Optional) 33
TABLE_satellite	(Optional) 34
<i>prn</i>	(Optional) 35
<i>channel_num</i>	(Optional) 36
<i>acq_flag</i>	(Optional) 37
<i>ephe_flag</i>	(Optional) 37-2
<i>sv_type</i>	(Optional) 38
<i>signal_strength</i>	(Optional) 39
<i>elevation</i>	(Optional) 40
<i>azimuth</i>	(Optional) 41
<i>gnssrcvr-end</i>	(Optional) 42
<i>gnsstable-end</i>	(Optional) 43

Command Mode

- /exec

show guestshell

```
show guestshell [ { detail } ] [ __readonly__ [ TABLE_detail <name> <state> <package_name> <ova_path>
<application_name> <application_version> <application_description> <key_type> <signing_method>
<licensing_name> <licensing_version> <disk_reservation> <memory_reservation> <cpu_reservation>
TABLE_attached_devices <type> <name> <alias> ] ]
```

Syntax Description

show	Show running system information
guestshell	Display guest shell service information
detail	(Optional) Detailed guest shell service information
__readonly__	(Optional) Read Only
TABLE_detail	(Optional) Virtual service detail table
<i>name</i>	(Optional) Virtual service name
<i>package_name</i>	(Optional) Virtual service package name
<i>application_name</i>	(Optional) Name of the application
<i>application_version</i>	(Optional) Version of the application
<i>application_description</i>	(Optional) Description of the application
<i>key_type</i>	(Optional) Virtual service key type
<i>signing_method</i>	(Optional) Method used to sign the package
<i>licensing_name</i>	(Optional) Name of the license
<i>licensing_version</i>	(Optional) Version of the license
<i>ova_path</i>	(Optional) Virtual service OVA path
<i>state</i>	(Optional) Virtual service state
<i>disk_reservation</i>	(Optional) Virtual service disk reservation
<i>memory_reservation</i>	(Optional) Virtual service memory reservation
<i>cpu_reservation</i>	(Optional) Virtual service CPU reservation
TABLE_attached_devices	(Optional) Attached devices table
<i>type</i>	(Optional) Type of the attached device
<i>name</i>	(Optional) Name of the attached device
<i>alias</i>	(Optional) Alias for the attached device

Command Mode

- /exec



H Show Commands

- [show hardware](#), on page 805
- [show hardware access-list lou resource threshold](#), on page 808
- [show hardware access-list resource pooling](#), on page 809
- [show hardware access-list tcam](#), on page 810
- [show hardware capacity](#), on page 811
- [show hardware capacity eobc](#), on page 812
- [show hardware capacity fabric-utilization](#), on page 813
- [show hardware capacity forwarding](#), on page 814
- [show hardware capacity interface](#), on page 815
- [show hardware capacity module](#), on page 816
- [show hardware capacity power](#), on page 818
- [show hardware fabricpath mac-learning module](#), on page 819
- [show hardware feature-capability](#), on page 820
- [show hardware flow aging](#), on page 821
- [show hardware flow entry address type](#), on page 822
- [show hardware flow ip](#), on page 823
- [show hardware flow ipv6](#), on page 824
- [show hardware flow l2](#), on page 825
- [show hardware flow mpls](#), on page 826
- [show hardware flow sampler](#), on page 827
- [show hardware flow tah-etrap](#), on page 828
- [show hardware flow utilization](#), on page 829
- [show hardware forwarding interface statistics mode](#), on page 830
- [show hardware forwarding memory health detail](#), on page 831
- [show hardware forwarding memory health summary](#), on page 834
- [show hardware ip verify](#), on page 836
- [show hardware profile forwarding-mode](#), on page 837
- [show hardware profile module](#), on page 838
- [show hardware profile packet-drop](#), on page 839
- [show hardware profile portmode](#), on page 840
- [show hardware profile status](#), on page 841
- [show hardware profile tcam region](#), on page 843
- [show hardware qos afd profile](#), on page 844

- [show hardware qos burst-detect max-records](#), on page 845
- [show hardware qos eoq stats-class](#), on page 846
- [show hardware qos include ipg](#), on page 847
- [show hardware qos ing-pg-hdrm-reserve](#), on page 848
- [show hardware qos ing-pg-no-min](#), on page 849
- [show hardware qos ing-pg-share](#), on page 850
- [show hardware qos min-buffer](#), on page 851
- [show hardware qos ns-buffer-profile](#), on page 852
- [show hardware qos ns-mcq3-alias](#), on page 853
- [show hardware rate-limiter](#), on page 854
- [show hardware rate-limiter](#), on page 856
- [show hardware rate-limiter span-egress](#), on page 858
- [show hardware vxlan storm-control](#), on page 859
- [show hostname](#), on page 860
- [show hosts](#), on page 861
- [show hsrp](#), on page 863
- [show hsrp anycast](#), on page 867
- [show hsrp anycast interface vlan](#), on page 868
- [show hsrp anycast remote-db](#), on page 869
- [show hsrp anycast summary](#), on page 870
- [show hsrp bfd-sessions](#), on page 871
- [show hsrp delay](#), on page 873
- [show hsrp mgo](#), on page 874
- [show hsrp summary](#), on page 875

show hardware

```
show hardware [ __readonly__ <header_str> <bios_ver_str> [ <loader_ver_str> ] <kickstart_ver_str>
<nxos_ver_str> [ <host_nxos_ver_str> ] [ <sys_ver_str> ] <bios_cmpl_time> <kick_file_name>
<nxos_file_name> <kick_cmpl_time> <nxos_cmpl_time> <kick_tmstamp> <nxos_tmstamp> [ <isan_file_name>
] [ <isan_cmpl_time> ] [ <isan_tmstamp> ] <chassis_id> [ <module_id> ] <cpu_name> <memory> <mem_type>
<proc_board_id> [ <host_name> ] <bootflash_size> [ <slot0_size> ] [ <slot1_size> ] <kern_uptm_days>
<kern_uptm_hrs> <kern_uptm_mins> <kern_uptm_secs> [ <rr_usecs> ] [ <rr_ctime> ] <rr_reason> [
<rr_sys_ver> ] [ <rr_service> ] <plugins> [ <manufacturer> ] { TABLE_slot [ TABLE_slot_info [ [
<num_slot_str> ] [ <status_ok_empty> ] [ [ <type> [ <num_submods> ] ] <model_num> <hw_ver> <part_num>
<part_revision> <manuf_date> <serial_num> <CLEI_code> [ <num_slot_str> ] ] ] ] } }
```

Syntax Description

show	Show running system information
hardware	Show hardware information
<i>__readonly__</i>	(Optional)
<i>header_str</i>	(Optional)
<i>bios_ver_str</i>	(Optional)
<i>loader_ver_str</i>	(Optional)
<i>kickstart_ver_str</i>	(Optional)
<i>nxos_ver_str</i>	(Optional)
<i>host_nxos_ver_str</i>	(Optional)
<i>sys_ver_str</i>	(Optional)
<i>bios_cmpl_time</i>	(Optional)
<i>kick_file_name</i>	(Optional)
<i>nxos_file_name</i>	(Optional)
<i>kick_cmpl_time</i>	(Optional)
<i>nxos_cmpl_time</i>	(Optional)
<i>kick_tmstamp</i>	(Optional)
<i>nxos_tmstamp</i>	(Optional)
<i>isan_file_name</i>	(Optional)
<i>isan_cmpl_time</i>	(Optional)
<i>isan_tmstamp</i>	(Optional)

<i>chassis_id</i>	(Optional)
<i>module_id</i>	(Optional)
<i>cpu_name</i>	(Optional)
<i>memory</i>	(Optional)
<i>mem_type</i>	(Optional)
<i>proc_board_id</i>	(Optional)
<i>bootflash_size</i>	(Optional)
<i>slot0_size</i>	(Optional)
<i>slot1_size</i>	(Optional)
<i>host_name</i>	(Optional)
<i>kern_uptm_days</i>	(Optional)
<i>kern_uptm_hrs</i>	(Optional)
<i>kern_uptm_mins</i>	(Optional)
<i>kern_uptm_secs</i>	(Optional)
<i>rr_usecs</i>	(Optional)
<i>rr_ctime</i>	(Optional)
<i>rr_reason</i>	(Optional)
<i>rr_sys_ver</i>	(Optional)
<i>rr_service</i>	(Optional)
<i>plugins</i>	(Optional)
<i>manufacturer</i>	(Optional)
TABLE_slot	(Optional) Slot
<i>num_slot_str</i>	(Optional) Number of elements
TABLE_slot_info	(Optional) Slot Info
<i>status_ok_empty</i>	(Optional) Status (Present or Absent)
<i>type</i>	(Optional) Description of the element
<i>num_submods</i>	(Optional) Number of Submodules
<i>model_num</i>	(Optional) Model Number
<i>hw_ver</i>	(Optional) Hardware version

<i>part_num</i>	(Optional) Part Number
<i>part_revision</i>	(Optional) Part revision
<i>manuf_date</i>	(Optional) Manufacturing date
<i>serial_num</i>	(Optional) Serial Number
<i>CLEI_code</i>	(Optional) CLEI code

Command Mode

- /exec

show hardware access-list lou resource threshold

```
show hardware access-list lou resource threshold [ __readonly__ { current [ { lou [ { resource [ { threshold [
{ <threshold_value> } ] } ] } ] } ] }
```

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
lou	LOU
resource	hardware resource
threshold	port expansion threshold
<i>__readonly__</i>	(Optional)
current	(Optional)
lou	(Optional)
resource	(Optional)
threshold	(Optional)
<i>threshold_value</i>	(Optional)

Command Mode

- /exec

show hardware access-list resource pooling

show hardware access-list resource pooling [*__readonly__* <mod-num> <status>]

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
resource	Hardware resource
pooling	ACL programming across TCAM banks
<i>__readonly__</i>	(Optional)
<i>mod-num</i>	(Optional) module number
<i>status</i>	(Optional) Banchaining status

Command Mode

- /exec

show hardware access-list tcam

```
show hardware access-list tcam { { template { nfe | nfe2 | l2-l3 | l3 | <name> | all } } | { region } } [
__readonly__ { TCAM_Region [ { TABLE_Sizes <type> <tcam_size> <tcam_width> } ] } ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
tcam	Show tcam parameters
region	Show tcam region sizes
__readonly__	(Optional)
TCAM_Region	(Optional)
TABLE_Sizes	(Optional)
<i>type</i>	(Optional)
<i>tcam_size</i>	(Optional)
<i>tcam_width</i>	(Optional)
template	Specify template name
nfe	NFE (Trident2) TCAM template
nfe2	NFE2 (Tomahawk) tcam template
l2-l3	L2-L3 default tcam template
l3	L3 default tcam template
<i>name</i>	Name of custom template to be displayed
all	Display all custom templates

Command Mode

- /exec

show hardware capacity

show hardware capacity

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc

Command Mode

- /exec

show hardware capacity eobc

```
show hardware capacity eobc [ __readonly__ { eobc_usage [ <eobc_tx_pps> ] [ <eobc_tx_packets> ] [ <eobc_tx_dropped> ] [ <eobc_rx_pps> ] [ <eobc_rx_packets> ] [ <eobc_rx_dropped> ] } ]
```

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
eobc	EOBC resources
__readonly__	(Optional)
eobc_usage	(Optional)
<i>eobc_tx_packets</i>	(Optional)
<i>eobc_tx_dropped</i>	(Optional)
<i>eobc_tx_pps</i>	(Optional)
<i>eobc_rx_packets</i>	(Optional)
<i>eobc_rx_dropped</i>	(Optional)
<i>eobc_rx_pps</i>	(Optional)

Command Mode

- /exec

show hardware capacity fabric-utilization

```
show hardware capacity fabric-utilization [ __readonly__ { TABLE_fabutl <mod> <bandwidth> <ingress>
<egress> } ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
capacity	resource inventory and/or usage level
fabric-utilization	Show per module Fabric utilization
__readonly__	(Optional)
TABLE_fabutl	(Optional) fabric utilization table
<i>mod</i>	(Optional)
<i>bandwidth</i>	(Optional)
<i>ingress</i>	(Optional)
<i>egress</i>	(Optional)

Command Mode

- /exec

show hardware capacity forwarding

show hardware capacity forwarding

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc
forwarding	L2/L3 Forwarding resources

Command Mode

- /exec

show hardware capacity interface

```
show hardware capacity interface [ __readonly__ { TABLE_moddrops <mod_num_drops> <tx_drops>
<rx_drops> <max_tx_port> <max_rx_port> } { TABLE_modbuffers <mod_num_buffers> <tx_buffers>
<rx_buffers> } ]
```

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Usage levels
interface	Interface Resources - Tx/Rx drops and Tx/Rx buffers
<i>__readonly__</i>	(Optional) Read Only
<i>mod_num_drops</i>	(Optional) Module number for Tx/Rx drops
TABLE_moddrops	(Optional) show module
<i>tx_drops</i>	(Optional) Tx drops
<i>rx_drops</i>	(Optional) Rx drops
<i>max_tx_port</i>	(Optional) Port with max Tx drops
<i>max_rx_port</i>	(Optional) Port with max Rx drops
<i>mod_num_buffers</i>	(Optional) Module number for Tx/Rx buffers
TABLE_modbuffers	(Optional) show module
<i>tx_buffers</i>	(Optional) Tx buffers
<i>rx_buffers</i>	(Optional) Rx buffers

Command Mode

- /exec

show hardware capacity module

```
show hardware capacity module [ __readonly__ { sup_ha_status [ <sup_ha_admin_status> ] [
<sup_ha_oper_status> ] [ <dual_sup_hw_state> ] [ <redundancy_state> ] } { switch_resouces { TABLE_lcinfo
<mod_num> <model_num> <part_num> <serial_num> } [ { TABLE_xbarinfo <mod_num1> <model_num1>
<part_num1> <serial_num1> } ] } { TABLE_flash_nvram_info <mod_num2> <dev_name> <total_bytes>
<free_bytes> <percent_used> } ]
```

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
module	SUP, LC, XBAR
<i>__readonly__</i>	(Optional)
<i>sup_ha_status</i>	(Optional)
<i>sup_ha_admin_status</i>	(Optional)
<i>sup_ha_oper_status</i>	(Optional)
<i>dual_sup_hw_state</i>	(Optional)
<i>redundancy_state</i>	(Optional)
<i>switch_resouces</i>	(Optional)
TABLE_lcinfo	(Optional)
<i>mod_num</i>	(Optional)
<i>model_num</i>	(Optional)
<i>part_num</i>	(Optional)
<i>serial_num</i>	(Optional)
TABLE_xbarinfo	(Optional)
<i>mod_num1</i>	(Optional)
<i>model_num1</i>	(Optional)
<i>part_num1</i>	(Optional)
<i>serial_num1</i>	(Optional)
TABLE_flash_nvram_info	(Optional)
<i>mod_num2</i>	(Optional)

<i>dev_name</i>	(Optional)
<i>total_bytes</i>	(Optional)
<i>free_bytes</i>	(Optional)
<i>percent_used</i>	(Optional)

Command Mode

- /exec

show hardware capacity power

```
show hardware capacity power [ __readonly__ { power_summary <ps_redun_mode_admin>
<ps_redun_mode_oper> <power_total> <power_rsvd> <power_rsvd_percent> <power_given_mod>
<power_given_mod_percent> <power_avail> <power_avail_percent> <power_out_actual_draw>
<power_input_actual_draw> } ]
```

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
power	power summary
__readonly__	(Optional)
power_summary	(Optional)
<i>ps_redun_mode_admin</i>	(Optional) Mode: Redundant or Non-redundant
<i>ps_redun_mode_oper</i>	(Optional) Mode: Redundant or Non-redundant
<i>power_total</i>	(Optional)
<i>power_rsvd</i>	(Optional)
<i>power_rsvd_percent</i>	(Optional)
<i>power_given_mod</i>	(Optional)
<i>power_given_mod_percent</i>	(Optional)
<i>power_avail</i>	(Optional)
<i>power_avail_percent</i>	(Optional)
<i>power_out_actual_draw</i>	(Optional) Total Power Output, Actuals
<i>power_input_actual_draw</i>	(Optional) Total Power Input, Actuals

Command Mode

- /exec

show hardware fabricpath mac-learning module

```
show hardware fabricpath mac-learning module <module> [ __readonly__ { [ { TABLE_module
<module_num> <port_group> <mac_learning> } ] } ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
fabricpath	Fabric Path
mac-learning	MAC Learning
module	Specify a module number
<i>module</i>	Specify a module number
<i>__readonly__</i>	(Optional)
TABLE_module	(Optional)
<i>module_num</i>	(Optional) Specify a module number
<i>port_group</i>	(Optional)
<i>mac_learning</i>	(Optional)

Command Mode

- /exec

show hardware feature-capability

```
show hardware feature-capability [ detailed ] [ __readonly__ [ { TABLE_feature_support <feature_name> [
{ TABLE_mod_support <mod_inst> <support> } ] } ] ] ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
feature-capability	show registered features supported
detailed	(Optional) detailed
__readonly__	(Optional) Read_Only
TABLE_feature_support	(Optional) show features supported
<i>feature_name</i>	(Optional) feature name
TABLE_mod_support	(Optional) show registered features supported
<i>mod_inst</i>	(Optional) module instance
<i>support</i>	(Optional) support details

Command Mode

- /exec

show hardware flow aging

show hardware flow aging [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
aging	Aging Info
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow entry address type

show hardware flow entry address <addr> type { ip | ipv6 | l2 | mpls } [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
entry	Netflow Table Entry
address	Netflow Table Address
<i>addr</i>	Netflow Table Address
type	Flow Type
ip	Internet Protocol Version 4
ipv6	Internet Protocol Version 6
l2	Layer 2 Protocol
mpls	MPLS Protocol
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow ip

```
show hardware flow ip [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ip	Internet Protocol Version 4
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow ipv6

```
show hardware flow ipv6 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ipv6	Internet Protocol Version 6
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow l2

```
show hardware flow l2 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } } ] [ instance
<inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
l2	Layer 2 Protocol
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow mpls

```
show hardware flow mpls [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
mpls	MPLS Protocol
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow sampler

```
show hardware flow sampler { all | count | index <index> | name <sname> } [ detail ] [ instance <inst> ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
sampler	Flow Sampler
all	Netflow Sampler Usage
count	Netflow Sampler Utilization
index	Netflow Sampler Index
<i>index</i>	Netflow Sampler Index
name	Netflow Sampler Name
<i>sname</i>	Netflow Sampler Name
detail	(Optional) Detailed Output Display
instance	(Optional) Instance
<i>inst</i>	(Optional) Clipper Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow tah-etrap

```
show hardware flow tah-etrap [ module <module> ] [ { unit <unit> slice <slice> } ] [ __readonly__ [ {
TABLE_etrap_flows <unit> <slice> <index> <keytype> <src_addr> <dst_addr> <src_port> <dst_port>
<proto> <rate> } ] ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Traffic flow information
tah-etrap	Elephant Trap information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
unit	(Optional) Asic Number
<i>unit</i>	(Optional) Asic Number on the module
slice	(Optional) slice num on asic
<i>slice</i>	(Optional) slice number on asic
__readonly__	(Optional) Read Only
TABLE_etrap_flows	(Optional) Elephant trap flows
<i>unit</i>	(Optional) ASIC number on the module
<i>slice</i>	(Optional) Slice number on the ASIC
<i>index</i>	(Optional) Elephant trap table index
<i>keytype</i>	(Optional) Elephant trap table key type
<i>src_addr</i>	(Optional) Elephant trap flow src address
<i>dst_addr</i>	(Optional) Elephant trap flow dst address
<i>src_port</i>	(Optional) Elephant trap flow src port
<i>dst_port</i>	(Optional) Elephant trap flow src port
<i>proto</i>	(Optional) Elephant trap flow protocol
<i>rate</i>	(Optional) Elephant trap flow protocol

Command Mode

- /exec

show hardware flow utilization

show hardware flow utilization [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
utilization	NT Table Utilization
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware forwarding interface statistics mode

```
show hardware forwarding interface statistics mode [ __readonly__ { system [ { <sysmode> } ] [ {
TABLE_module <module> <modmode> } ] ] ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	Show hardware information for forwarding path
interface	Interface
statistics	Statistics
mode	Statistics mode
<i>__readonly__</i>	(Optional)
system	(Optional)
<i>sysmode</i>	(Optional)
TABLE_module	(Optional)
<i>module</i>	(Optional) Specify a module number
<i>modmode</i>	(Optional)

Command Mode

- /exec

show hardware forwarding memory health detail

```
show hardware forwarding memory health detail [ __readonly__ { memscan_interval <mscan_interval> } {
memscan_rate <mscan_rate> } [ TABLE_ser <table_name> <entry_count> <table_head> <table_tail> [
TABLE_ser_entry_new <n_entry_index> [ <reg_id> ] [ <reg_port> ] [ <reg_index> ] [ <table_id> ] [
<table_index> ] <detections> <corrections> [ <last_detection_ts> ] [ <last_correction_ts> ] ] [
TABLE_ser_entry_old <o_entry_index> <mem_addr> <cause_bits> <event_type> <last_event> <last_time>
] ] [ { parity_detect_counter <parity_detect_cnt> } ] [ { parity_correct_counter <parity_correct_cnt> } ] [ {
reg_parity_detect_counter <reg_parity_detect_cnt> } ] [ { reg_parity_correct_counter <reg_parity_correct_cnt>
} ] [ { tcam_parity_detect_counter <tcam_parity_detect_cnt> } ] [ { tcam_parity_correct_counter
<tcam_parity_correct_cnt> } ] [ { sram_parity_detect_counter <sram_parity_detect_cnt> } ] [ {
sram_parity_correct_counter <sram_parity_correct_cnt> } ] [ { TABLE_ser_tbl_parity <table_id> <detections>
<corrections> } ] ] ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
detail	show the detail
__readonly__	(Optional) Read Only
memscan_interval	(Optional) memory scan interval value
<i>mscan_interval</i>	(Optional) mem scan interval
memscan_rate	(Optional) memory scan rate value
<i>mscan_rate</i>	(Optional) mem scan rate
TABLE_ser	(Optional) ser table list
<i>table_name</i>	(Optional) table name
<i>entry_count</i>	(Optional) total entries in table
<i>table_head</i>	(Optional) start of entry index
<i>table_tail</i>	(Optional) end of entry index
TABLE_ser_entry_new	(Optional) ser table entry with new format
<i>n_entry_index</i>	(Optional) entry index
<i>reg_id</i>	(Optional) register id

<i>reg_port</i>	(Optional) port
<i>reg_index</i>	(Optional) register index
<i>table_id</i>	(Optional) table id
<i>table_index</i>	(Optional) table_index
<i>detections</i>	(Optional) parity detetction count
<i>corrections</i>	(Optional) parity correction count
<i>last_detection_ts</i>	(Optional) last detetction timestamp
<i>last_correction_ts</i>	(Optional) last correction timestamp
TABLE_ser_entry_old	(Optional) ser table entry with new format
<i>o_entry_index</i>	(Optional) table entry index
<i>mem_addr</i>	(Optional) memory address
<i>cause_bits</i>	(Optional) cause bit
<i>event_type</i>	(Optional) type of event
<i>last_event</i>	(Optional) last event that occurred
<i>last_time</i>	(Optional) last time of event
parity_detect_counter	(Optional) parity detect count
<i>parity_detect_cnt</i>	(Optional) count of parity detect
parity_correct_counter	(Optional) parity correct count
<i>parity_correct_cnt</i>	(Optional) count of parity correct
reg_parity_detect_counter	(Optional) reg parity detect count
<i>reg_parity_detect_cnt</i>	(Optional) count of reg parity detect
reg_parity_correct_counter	(Optional) reg parity correct count
<i>reg_parity_correct_cnt</i>	(Optional) count of reg parity correct
tcam_parity_detect_counter	(Optional) tcam parity detect count
<i>tcam_parity_detect_cnt</i>	(Optional) count of tcam parity detect
tcam_parity_correct_counter	(Optional) tcam parity correct count
<i>tcam_parity_correct_cnt</i>	(Optional) count of tcam parity correct
sram_parity_detect_counter	(Optional) sram parity detect count
<i>sram_parity_detect_cnt</i>	(Optional) count of sram parity detect

<i>sram_parity_correct_counter</i>	(Optional) sram parity correct count
<i>sram_parity_correct_cnt</i>	(Optional) count of sram parity correct
<i>TABLE_ser_tbl_parity</i>	(Optional) all ser tables
<i>table_id</i>	(Optional) table name
<i>detections</i>	(Optional) parity detection count for ser table
<i>corrections</i>	(Optional) parity correction count for ser table

Command Mode

- /exec

show hardware forwarding memory health summary

```
show hardware forwarding memory health summary [ __readonly__ [ { parity_detect_counter
<parity_detect_cnt> } ] [ { parity_correct_counter <parity_correct_cnt> } ] [ { reg_parity_detect_counter
<reg_parity_detect_cnt> } ] [ { reg_parity_correct_counter <reg_parity_correct_cnt> } ] [ {
tcam_parity_detect_counter <tcam_parity_detect_cnt> } ] [ { tcam_parity_correct_counter
<tcam_parity_correct_cnt> } ] [ { sram_parity_detect_counter <sram_parity_detect_cnt> } ] [ {
sram_parity_correct_counter <sram_parity_correct_cnt> } ] [ { TABLE_ser_tbl_parity <table_id> <detections>
<corrections> } ] ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
summary	show the summary
<i>__readonly__</i>	(Optional) Read Only
parity_detect_counter	(Optional) parity detect count
<i>parity_detect_cnt</i>	(Optional) count of parity detect
parity_correct_counter	(Optional) parity correct count
<i>parity_correct_cnt</i>	(Optional) count of parity correct
reg_parity_detect_counter	(Optional) reg parity detect count
<i>reg_parity_detect_cnt</i>	(Optional) count of reg parity detect
reg_parity_correct_counter	(Optional) reg parity correct count
<i>reg_parity_correct_cnt</i>	(Optional) count of reg parity correct
tcam_parity_detect_counter	(Optional) tcam parity detect count
<i>tcam_parity_detect_cnt</i>	(Optional) count of tcam parity detect
tcam_parity_correct_counter	(Optional) tcam parity correct count
<i>tcam_parity_correct_cnt</i>	(Optional) count of tcam parity correct
sram_parity_detect_counter	(Optional) sram parity detect count
<i>sram_parity_detect_cnt</i>	(Optional) count of sram parity detect
sram_parity_correct_counter	(Optional) sram parity correct count

<i>sram_parity_correct_cnt</i>	(Optional) count of sram parity correct
TABLE_ser_tbl_parity	(Optional) all ser tables
<i>table_id</i>	(Optional) table name
<i>detections</i>	(Optional) parity detection count for ser table
<i>corrections</i>	(Optional) parity correction count for ser table

Command Mode

- /exec

show hardware ip verify

show hardware [forwarding] ip verify [module <module>] [__readonly__ <info_str>]

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	(Optional) Show hardware information for forwarding path
ip	IP
verify	Show IP packet verification checks enabled in hardware
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
<i>__readonly__</i>	(Optional)
<i>info_str</i>	(Optional) IDS Check Stats

Command Mode

- /exec

show hardware profile forwarding-mode

```
show hardware profile forwarding-mode [ __readonly__ <forwarding-mode> [ <host-size> ] [ <unicast-size>
] [ <unicast-rpf-size> ] [ <unicast-ipv4-size> ] [ <unicast-ipv4-rpf-size> ] [ <unicast-ipv6-size> ] [
<multicast-size> ] [ <l2-size> ] [ <unified-size> ] ]
```

Syntax Description

show	Show running system information
hardware	Show hardware profile forwarding-mode
profile	profile forwarding-mode
forwarding-mode	forwarding-mode
<i>__readonly__</i>	(Optional)
<i>forwarding-mode</i>	(Optional)
<i>host-size</i>	(Optional)
<i>unicast-size</i>	(Optional)
<i>unicast-rpf-size</i>	(Optional)
<i>unicast-ipv4-size</i>	(Optional)
<i>l2-size</i>	(Optional)
<i>unified-size</i>	(Optional)
<i>unicast-ipv4-rpf-size</i>	(Optional)
<i>unicast-ipv6-size</i>	(Optional)
<i>multicast-size</i>	(Optional)

Command Mode

- /exec

show hardware profile module

show hardware profile module <module> [__readonly__ { TABLE_profile <slot> <type> }]

Syntax Description

show	Show running system information
hardware	Show hardware profile
profile	Profile settings
module	Enter module number
<i>module</i>	
<i>__readonly__</i>	(Optional)
TABLE_profile	(Optional) Show version info
<i>slot</i>	(Optional) Slot
<i>type</i>	(Optional) Profile type

Command Mode

- /exec

show hardware profile packet-drop

```
show hardware profile packet-drop { status | data [ instance <cap_instance> ] | event [ instance <cap_instance> ] } [ __readonly__ [ <enable><state> <cap-scope><drop-trigger> <cap-count><cap-time> <file-inst> ] [ TABLE_hardware_packet_drop_status <profile-name><start-thres><stop-thres> ] [ TABLE_hardware_packet_drop_data <src-port><dst-port> <qos-grp><que-depth> <payload> ] [ TABLE_hardware_packet_drop_event <src-port><dst-port> <qos-grp><que-depth> <drop-reason> ] ]
```

Syntax Description

show	Show running system information
hardware	Change hardware usage settings
profile	Profile settings
packet-drop	Packet Drop parameters
status	Packet Drop status
data	Packet Drop circular-buffer data
instance	(Optional) Packet Drop captured instance
<i>cap_instance</i>	(Optional) Value 1-5
event	Packet Drop event-buffer data
instance	(Optional) Packet Drop captured instance
<i>cap_instance</i>	(Optional) Value 1-5
<i>__readonly__</i>	(Optional)
<i>file-inst</i>	(Optional) Packet-Drop file instance
TABLE_hardware_packet_drop_status	(Optional) XML Packet-drop stats
TABLE_hardware_packet_drop_data	(Optional) XML Packet-drop data
<i>payload</i>	(Optional) Packet-Drop Data Packet Payload (80bytes)
TABLE_hardware_packet_drop_event	(Optional) XML Packet-drop event
<i>drop-reason</i>	(Optional) PacketDrop Event Drop trigger

Command Mode

- /exec

show hardware profile portmode

{ show hardware profile portmode }

Syntax Description

show	Show running system information
hardware	Change hardware usage settings
profile	profile settings
portmode	QSFP port mode setting

Command Mode

- /exec

show hardware profile status

```
show hardware profile status [ module <module> ] [ detail ] [ __readonly__ { <total_lpm> <total_host>
<reserved_lpm> <max_host4_limit> <max_host6_limit> <max_mcast_limit> <max_mcast6_limit> [
<max_mcast_transit_route_limit> ] [ <max_v6_lpm_limit> ] [ <max_v6_lpm_65_to_127_limit> ] [
<used_lpm_total> ] <used_v4_lpm> <used_v6_lpm> [ <used_v6_lpm_128> ] <used_host_lpm_total>
<used_host_v4_lpm> <used_host_v6_lpm> <used_mcast> <used_mcast6> [ <used_mcast_transit_routes> ]
<used_mcast_oifl> <used_host_in_host_total> <used_host4_in_host> <used_host6_in_host>
<max_ecmp_table_limit> <used_ecmp_table> <max_ecmp_nh_table_limit> <used_ecmp_nh_table> [
<mfib_fd_status> ] [ <mfib_fd_maxroute> ] [ <mfib_fd_count> ] [ <lpm_to_host_migrate_table> ] [
<host_to_lpm_migrate_table> ] }
```

Syntax Description

show	Show running system information
hardware	Show hardware usage settings
profile	Show current table usage
status	Show status of dynamic resource allocation
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module</i>	(Optional) Slot/module number
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<u>__readonly__</u>	(Optional) Read only
<i>total_lpm</i>	(Optional) Total LPM Entries
<i>total_host</i>	(Optional) Total Host Entries
<i>reserved_lpm</i>	(Optional) Reserved LPM Entries
<i>max_host4_limit</i>	(Optional) Max Host4 Limit Entries
<i>max_host6_limit</i>	(Optional) Max Host6 Limit Entries
<i>max_mcast_limit</i>	(Optional) Max Mcast Limit Entries
<i>max_mcast6_limit</i>	(Optional) Max IPv6 Mcast Limit Entries
<i>max_v6_lpm_limit</i>	(Optional) Max Ucast IPv6 LPM Limit Entries
<i>max_v6_lpm_65_to_127_limit</i>	(Optional) Max Ucast IPv6 LPM_65_to_127 Limit Entries
<i>used_lpm_total</i>	(Optional) Used LPM Entries (Total)
<i>used_v4_lpm</i>	(Optional) Used IPv4 LPM Entries
<i>used_v6_lpm</i>	(Optional) Used IPv6 LPM Entries

<i>used_v6_lpm_128</i>	(Optional) Used IPv6 LPM_128 Entries
<i>used_host_lpm_total</i>	(Optional) Used Host Entries in LPM (Total)
<i>used_host_v4_lpm</i>	(Optional) Used Host4 Entries in LPM
<i>used_host_v6_lpm</i>	(Optional) Used Host6 Entries in LPM
<i>used_mcast</i>	(Optional) Used Mcast Entries
<i>used_mcast6</i>	(Optional) Used IPv6 Mcast Entries
<i>used_mcast_oifl</i>	(Optional) Used Mcast OIFL Entries
<i>used_host_in_host_total</i>	(Optional) Used Host Entries in Host (Total)
<i>used_host4_in_host</i>	(Optional) Used Host4 Entries in Host
<i>used_host6_in_host</i>	(Optional) Used Host6 Entries in Host
<i>max_ecmp_table_limit</i>	(Optional) Max ECMP table Limit Entries
<i>used_ecmp_table</i>	(Optional) Used ECMP Table Entries
<i>max_ecmp_nh_table_limit</i>	(Optional) Max ECMP NH table Limit Entries
<i>used_ecmp_nh_table</i>	(Optional) Used ECMP NH Table Entries
<i>mfib_fd_status</i>	(Optional) MFIB fd status
<i>mfib_fd_maxroute</i>	(Optional) MFIB fd maxroute
<i>mfib_fd_count</i>	(Optional) MFIB fd count
<i>lpm_to_host_migrate_table</i>	(Optional) Times Route Migrated from LPM to Host Table
<i>host_to_lpm_migrate_table</i>	(Optional) Times Route Migrated from Host to LPM Table
<i>max_mcast_transit_route_limit</i>	(Optional) Max Mcast Transit Route Limit Entries
<i>used_mcast_transit_routes</i>	(Optional) Used Mcast Transit Routes

Command Mode

- /exec

show hardware profile tcam region

```
show hardware profile tcam region [ __readonly__ { TCAM_Region [ { TABLE_Sizes <tcam_compat_type>
<tcam_compat_size> <tcam_compat_width> } ] } ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
profile	profile
tcam	Show tcam parameters
region	Show tcam region sizes
<i>__readonly__</i>	(Optional)
TCAM_Region	(Optional)
TABLE_Sizes	(Optional)
<i>tcam_compat_type</i>	(Optional)
<i>tcam_compat_size</i>	(Optional)
<i>tcam_compat_width</i>	(Optional)

Command Mode

- /exec

show hardware qos afd profile

show hardware qos afd profile [module <module>] [__readonly__ TABLE_qos_afd_profile [<module>] <prof-desc>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
afd	Show Approximate Fair Dropping config
profile	Show AFD profile config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_afd_profile	(Optional) the xml qos_afd_profile configuration
<i>prof-desc</i>	(Optional) profile description

Command Mode

- /exec

show hardware qos burst-detect max-records

show hardware qos burst-detect max-records [*__readonly__* <*max_records*>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
burst-detect	Show oobst burst-detect info
max-records	Show oobst burst-detect max-records
<i>__readonly__</i>	(Optional)
<i>max_records</i>	(Optional) max number of burst records configured

Command Mode

- /exec

show hardware qos eoq stats-class

```
show hardware qos eoq stats-class [ module <module> ] [ __readonly__ TABLE_qos_eoq_stats_class [
<module> ] <eoq-stats-class-desc> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
eoq	Show Extended Output Queue(EOQ) related information
stats-class	Show EOQ Statistics class selection config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
<i>__readonly__</i>	(Optional)
TABLE_qos_eoq_stats_class	(Optional) the xml qos_eoq_stats_class configuration
<i>eoq-stats-class-desc</i>	(Optional) selected class description

Command Mode

- /exec

show hardware qos include ipg

show hardware qos include ipg [module <module>] [__readonly__ TABLE_qos_include_ipg <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
include	Show include config
ipg	Show whether to include IPG in Shaping/Policing config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_include_ipg	(Optional) the xml qos_include_ipg configuration

Command Mode

- /exec

show hardware qos ing-pg-hdrm-reserve

```
show hardware qos ing-pg-hdrm-reserve [ module <module> ] [ __readonly__
TABLE_qos_ing_pg_hdrm_reserve <module> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-hdrm-reserve	Show ing-pg-hdrm-reserve config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ing_pg_hdrm_reserve	(Optional) the xml qos_ing_pg_hdrm_reserve configuration

Command Mode

- /exec

show hardware qos ing-pg-no-min

```
show hardware qos ing-pg-no-min [ module <module> ] [ __readonly__ TABLE_qos_ing_pg_no_min [
<module> ] <ingress_pg_min> <pg_min_value> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-no-min	Show ing-pg-no-min config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
<i>__readonly__</i>	(Optional)
TABLE_qos_ing_pg_no_min	(Optional) the xml qos_ing_pg_no_min configuration
<i>ingress_pg_min</i>	(Optional) Enable/Disable PG Min
<i>pg_min_value</i>	(Optional) PG Min Value

Command Mode

- /exec

show hardware qos ing-pg-share

```
show hardware qos ing-pg-share [ module <module> ] [ __readonly__ TABLE_qos_ing_pg_share <module> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-share	Show ing-pg-share config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
<i>__readonly__</i>	(Optional)
TABLE_qos_ing_pg_share	(Optional) the xml qos_ing_pg_share configuration

Command Mode

- /exec

show hardware qos min-buffer

```
show hardware qos min-buffer [ module <module> ] [ __readonly__ TABLE_qos_min_buffer_profile [
<module> ] <buff-prof-desc> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
min-buffer	Show min-buffer config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
<i>__readonly__</i>	(Optional)
TABLE_qos_min_buffer_profile	(Optional) the xml qos_min_buffer_profile configuration
<i>buff-prof-desc</i>	(Optional) buffer profile description

Command Mode

- /exec

show hardware qos ns-buffer-profile

```
show hardware qos ns-buffer-profile [ module <module> ] [ __readonly__ TABLE_qos_ns_buffer_profile
<module> <buff-prof-desc> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ns-buffer-profile	Show ns-buffer-profile config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
<i>__readonly__</i>	(Optional)
TABLE_qos_ns_buffer_profile	(Optional) the xml qos_ns_buffer_profile configuration
<i>buff-prof-desc</i>	(Optional) buffer profile description

Command Mode

- /exec

show hardware qos ns-mcq3-alias

```
show hardware qos ns-mcq3-alias [ module <module> ][ __readonly__ TABLE_qos_ns_mcq3_alias <module>
<ns-mcq3-alias-desc> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
ns-mcq3-alias	Show NS mc-queue-3 alias class selection config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
<i>__readonly__</i>	(Optional)
TABLE_qos_ns_mcq3_alias	(Optional) the xml qos_ns_mcq3_alias configuration
<i>ns-mcq3-alias-desc</i>	(Optional) selected class description

Command Mode

- /exec

show hardware rate-limiter

```
show hardware rate-limiter [ module <module> ] [ layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2
<l2-opts> | <opts> | fl <fl-opts> | span-egress | urpf-fail ] [ __readonly__ TABLE hardware_rate_limiter
<rate-limit-class> <class-descr> <module> <rate-limit-configured> [ <rate-limit-allowed> ] [
<rate-limit-dropped> ] [ <rate-limit-total> ] ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
layer-3	(Optional) Layer-3 control and Routed packets
<i>l3-opts</i>	(Optional)
multicast	(Optional) Multicast data packets
<i>mcast-opts</i>	(Optional)
layer-2	(Optional) Layer-2 control and Bridged packets
<i>l2-opts</i>	(Optional)
<i>opts</i>	(Optional)
fl	(Optional) Control packets from F1 modules to supervisor
<i>fl-opts</i>	(Optional)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
<i>__readonly__</i>	(Optional)
TABLE hardware_rate_limiter	(Optional) the xml Rate-Limiter configuration and statistics
<i>rate-limit-class</i>	(Optional) the xml rate limiter class
<i>class-descr</i>	(Optional) class description
<i>module</i>	(Optional) the xml module number
<i>rate-limit-configured</i>	(Optional) the xml rate-limit-configured
<i>rate-limit-allowed</i>	(Optional) the xml rate-limit-allowed

<i>rate-limit-dropped</i>	(Optional) the xml rate-limit-dropped
<i>rate-limit-total</i>	(Optional) the xml rate-limit-total

Command Mode

- /exec

show hardware rate-limiter

```
show hardware rate-limiter [ module <module> ] [ layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2
<l2-opts> | <opts> | fl <fl-opts> | span-egress | urpf-fail ] [ __readonly__ TABLE hardware_rate_limiter
<rate-limit-class> <class-descr> <module> <rate-limit-configured> [ <rate-limit-allowed> ] [
<rate-limit-dropped> ] [ <rate-limit-total> ] ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
layer-3	(Optional) Layer-3 control and Routed packets
<i>l3-opts</i>	(Optional)
multicast	(Optional) Multicast data packets
<i>mcast-opts</i>	(Optional)
layer-2	(Optional) Layer-2 control and Bridged packets
<i>l2-opts</i>	(Optional)
<i>opts</i>	(Optional)
fl	(Optional) Control packets from F1 modules to supervisor
<i>fl-opts</i>	(Optional)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
<i>__readonly__</i>	(Optional)
TABLE hardware_rate_limiter	(Optional) the xml Rate-Limiter configuration and statistics
<i>rate-limit-class</i>	(Optional) the xml rate limiter class
<i>class-descr</i>	(Optional) class description
<i>module</i>	(Optional) the xml module number
<i>rate-limit-configured</i>	(Optional) the xml rate-limit-configured
<i>rate-limit-allowed</i>	(Optional) the xml rate-limit-allowed

<i>rate-limit-dropped</i>	(Optional) the xml rate-limit-dropped
<i>rate-limit-total</i>	(Optional) the xml rate-limit-total

Command Mode

- /exec

show hardware rate-limiter span-egress

```
show hardware rate-limiter span-egress [ __readonly__ TABLE hardware_rate_limiter <rate-limit-class>
<class-descr> <module> <rate-limit-configured> <rate-limit-allowed> <rate-limit-dropped> <rate-limit-total>
]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
span-egress	SPAN/ERSPAN egress packets
<i>__readonly__</i>	(Optional)
<i>TABLE hardware_rate_limiter</i>	(Optional) the xml Rate-Limiter configuration and statistics
<i>rate-limit-class</i>	(Optional) the xml rate limiter class
<i>class-descr</i>	(Optional) class description
<i>module</i>	(Optional) the xml module number
<i>rate-limit-configured</i>	(Optional) the xml rate-limit-configured
<i>rate-limit-allowed</i>	(Optional) the xml rate-limit-allowed
<i>rate-limit-dropped</i>	(Optional) the xml rate-limit-dropped
<i>rate-limit-total</i>	(Optional) the xml rate-limit-total

Command Mode

- /exec

show hardware vxlan storm-control

show hardware vxlan storm-control

Syntax Description

show	Show running system information
hardware	Show hardware information
vxlan	VxLAN Information
storm-control	Storm Control Information

Command Mode

- /exec

show hostname

```
show { hostname | switchname } [ __readonly__ { <hostname> } ]
```

Syntax Description

show	Show running system information
hostname	show the system's hostname
switchname	show the system's hostname
__readonly__	(Optional) Read Only
<i>hostname</i>	(Optional)

Command Mode

- /exec

show hosts

```
show hosts [ __readonly__ [ <dnslookup> ] [ <dnsnameservice> ] [ { TABLE_vrf <vrfname> [
<defaultdomains> ] [ <additionaldomainserver> ] [ <domainservers> ] [ <nameservice> ] [ <dhcpdomains>
] [ <dhcpdomainservers> ] } ] [ { TABLE_dnsconfigvrf <dnsvrfname> [ <usevrf> ] [ <token> ] [ {
TABLE_dnsconfigvrfconfig <config> } ] } ] [ { TABLE_hosts <host> [ <address> } ] } ]
```

Syntax Description

show	Show running system information
hosts	Show information about DNS
<i>__readonly__</i>	(Optional)
<i>dnslookup</i>	(Optional) dns lookup enable status
<i>dnsnameservice</i>	(Optional) name service
TABLE_vrf	(Optional) vrf domain servers
<i>vrfname</i>	(Optional) vrf name
<i>defaultdomains</i>	(Optional) default domain
<i>additionaldomainserver</i>	(Optional) additionaldomain
<i>domainservers</i>	(Optional) domain server
<i>nameservice</i>	(Optional) name service
<i>dhcpdomains</i>	(Optional) dhcp domains
<i>dhcpdomainservers</i>	(Optional) dhcpservers
TABLE_dnsconfigvrf	(Optional) dns config vrf
<i>dnsvrfname</i>	(Optional) vrfname
<i>usevrf</i>	(Optional) usevrf
<i>token</i>	(Optional) token
TABLE_dnsconfigvrfconfig	(Optional) dns config vrf config
<i>config</i>	(Optional) token
TABLE_hosts	(Optional) all configured dns hosts
<i>host</i>	(Optional) xml host information
<i>address</i>	(Optional) xml address information

Command Mode

- /exec

show hsrp

```
show hsrp [ interface <interface-id> ] [ group <group-number> ] [ active | init | learn | listen | speak | standby
] + [ all ] [ brief [ all ] | detail ] [ ipv4 | ipv6 ] [ _readonly_ <show_hsrp_start> { TABLE_grp_detail
<sh_if_index> <sh_group_num> <sh_group_type> <sh_group_version> <sh_group_state> [ <sh_state_reason>
] <sh_prio> <sh_cfg_prio> <sh_fwd_lower_threshold> <sh_fwd_upper_threshold> <sh_can_forward>
<sh_preempt> [ <sh_preempt_min_delay> ] [ <sh_preempt_min_delay_active> ] [ <sh_preempt_reload_delay>
] [ <sh_preempt_reload_delay_active> ] [ <sh_preempt_sync_delay> ] [ <sh_preempt_sync_delay_active> ]
<sh_cur_hello> <sh_cur_hello_attr> [ <sh_cfg_hello> ] [ <sh_cfg_hello_attr> ] [ <sh_active_hello> ]
<sh_cur_hold> <sh_cur_hold_attr> [ <sh_cfg_hold> ] [ <sh_cfg_hold_attr> ] [ <sh_vip> | <sh_vip_v6> ]
<sh_vip_attr> <sh_num_vip_sec> { [ TABLE_grp_vip_sec <sh_vip_sec> } } [ <sh_active_router_addr> |
<sh_active_router_addr_v6> ] <sh_active_router_prio> [ <sh_active_router_timer> ] [
<sh_standby_router_addr> | <sh_standby_router_addr_v6> ] <sh_standby_router_prio>
<sh_authentication_type> <sh_authentication_data> [ <sh_keystring_attr> ] [ <sh_keystring_timeout> ] [
<sh_keystring_cur_valid> ] <sh_vmac> <sh_vmac_attr> <sh_num_of_state_changes> [ <sh_last_state_change>
] <sh_num_of_total_state_changes> [ <sh_last_total_state_change> ] { [ TABLE_grp_track_obj <sh_track_obj>
<sh_track_obj_state> <sh_track_obj_prio> ] } <sh_num_track_obj> <sh_ip_redund_name>
<sh_ip_redund_name_attr> } <show_hsrp_end> ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
active	(Optional) Groups in active state
init	(Optional) Groups in init state
listen	(Optional) Groups in listen state
standby	(Optional) Groups in standby state
learn	(Optional) Groups in learn state
speak	(Optional) Groups in speak state
group	(Optional) Group number
<i>group-number</i>	(Optional) Group Number
all	(Optional) Include groups in disabled state
brief	(Optional) Brief output
detail	(Optional) Detailed output
ipv4	(Optional) HSRP V4 Groups
ipv6	(Optional) HSRP V6 Groups

all	(Optional) Display all VIPs
__readonly__	(Optional) Read only
show_hsrp_start	(Optional) Show hsrp start
TABLE_grp_detail	(Optional) Group table detail
sh_if_index	(Optional) Interface type and number
sh_group_num	(Optional) Group number
sh_group_state	(Optional) HSRP state
sh_state_reason	(Optional) Reason
sh_group_type	(Optional) Group type
sh_group_version	(Optional) Group version
sh_prio	(Optional) Priority
sh_cfg_prio	(Optional) Configured priority
sh_fwd_lower_threshold	(Optional) Lower threshold value
sh_fwd_upper_threshold	(Optional) Upper threshold value
sh_can_forward	(Optional) Current forwarding status
sh_preempt	(Optional) Preemption enabled/not
sh_preempt_min_delay	(Optional) Preemption min delay
sh_preempt_min_delay_active	(Optional) Active preemption min delay
sh_preempt_reload_delay	(Optional) Preemption reload delay
sh_preempt_reload_delay_active	(Optional) Active preemption reload delay
sh_preempt_sync_delay	(Optional) Preemption sync delay
sh_preempt_sync_delay_active	(Optional) Active preemption sync delay
sh_cur_hello	(Optional) Current hello time
sh_cur_hello_attr	(Optional) Hello time in ms/not
sh_cfg_hello	(Optional) Configured hello time
sh_cfg_hello_attr	(Optional) Hello time in ms/not
sh_active_hello	(Optional) Active hello time
sh_cur_hold	(Optional) Current hold time
sh_cur_hold_attr	(Optional) Hello time in ms/not

<i>sh_cfg_hold</i>	(Optional) Configured hold time
<i>sh_cfg_hold_attr</i>	(Optional) Hello time in ms/not
<i>sh_vip</i>	(Optional) Virtual IP address
<i>sh_vip_attr</i>	(Optional) Virtual IP address attribute
<i>sh_num_vip_sec</i>	(Optional) Number of Secondary virtual IP address
TABLE_grp_vip_sec	(Optional) Group secondary ip address
<i>sh_vip_sec</i>	(Optional) Secondary virtual IP address
<i>sh_active_router_addr</i>	(Optional) Active router address
<i>sh_active_router_prio</i>	(Optional) Active router priority
<i>sh_active_router_timer</i>	(Optional) Active router expiry timer
<i>sh_standby_router_addr</i>	(Optional) Standby router address
<i>sh_standby_router_prio</i>	(Optional) Standby router priority
<i>sh_authentication_type</i>	(Optional) Authentication type
<i>sh_authentication_data</i>	(Optional) Authentication data
<i>sh_keystring_attr</i>	(Optional) Keystring attribute
<i>sh_keystring_timeout</i>	(Optional) Keystring timeout
<i>sh_keystring_cur_valid</i>	(Optional) Keystring current valid time
<i>sh_vmac</i>	(Optional) Virtual MAC
<i>sh_vmac_attr</i>	(Optional) Virtual MAC attribute
<i>sh_num_of_state_changes</i>	(Optional) Number of state changes
<i>sh_last_state_change</i>	(Optional) Last state change time
<i>sh_num_of_total_state_changes</i>	(Optional) Number of total state changes
<i>sh_last_total_state_change</i>	(Optional) Last total state change time
<i>sh_num_track_obj</i>	(Optional) Number of tracked objects
TABLE_grp_track_obj	(Optional) Group tracked objects
<i>sh_track_obj</i>	(Optional) Tracked object
<i>sh_track_obj_state</i>	(Optional) State of tracked object
<i>sh_track_obj_prio</i>	(Optional) Tracked object priority decrement
<i>sh_ip_redund_name</i>	(Optional) IP redundancy name

<i>sh_ip_redund_name_attr</i>	(Optional) IP redundancy name attribute
<i>show_hsrp_end</i>	(Optional) End of Group

Command Mode

- /exec

show hsrp anycast

```
show hsrp anycast [ <id> { ipv4 | ipv6 | both } ] [ brief ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
<i>id</i>	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle
brief	(Optional) Brief output

Command Mode

- /exec

show hsrp anycast interface vlan

show hsrp anycast interface { vlan | bdi } <id>

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
interface	Bundle on this interface Interface
vlan	VLAN interface
bdi	Bridge-Domain interface
<i>id</i>	VLAN number

Command Mode

- /exec

show hsrp anycast remote-db

show hsrp anycast remote-db [<id> { ipv4 | ipv6 | both }]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
remote-db	Remote data base for the bundle
<i>id</i>	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle

Command Mode

- /exec

show hsrp anycast summary

show hsrp anycast summary

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
summary	Show HSRP summary

Command Mode

- /exec

show hsrp bfd-sessions

```
show hsrp bfd-sessions [ interface <interface-id> [ to <ipaddress> ] ] [ __readonly__ [ TABLE_bfd_sess [
<interface> ] [ <list_size> ] { [ <src_addr> ] } { [ <dst_addr> ] } [ <ref_count> ] { [ TABLE_ref_groups [
<ref_group_id> ] } ] } { [ TABLE_hist_groups [ <hist_group_id> ] [ <hist_operation> ] [ <hist_rel_time> ] [
<hist_abs_time> ] [ <hist_ref_count> ] [ <hist_group_state> ] [ <hist_status> ] [ <hist_op_reason> ] ] } ] ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
to	(Optional) To IP address
<i>ipaddress</i>	(Optional) Sessions to IP address
<i>__readonly__</i>	(Optional)
TABLE_bfd_sess	(Optional)
<i>interface</i>	(Optional) Interface
<i>list_size</i>	(Optional) List size
<i>src_addr</i>	(Optional) IPv4 Source address
<i>dst_addr</i>	(Optional) IPv4 Destination address
<i>ref_count</i>	(Optional) Ref count
TABLE_ref_groups	(Optional)
<i>ref_group_id</i>	(Optional) Group id
TABLE_hist_groups	(Optional)
<i>hist_group_id</i>	(Optional) Group id
<i>hist_operation</i>	(Optional) Operation
<i>hist_rel_time</i>	(Optional) Relative time
<i>hist_abs_time</i>	(Optional) Absolute time
<i>hist_ref_count</i>	(Optional) Ref count
<i>hist_group_state</i>	(Optional) Group state

<i>hist_status</i>	(Optional) Status
<i>hist_op_reason</i>	(Optional) Op reason

Command Mode

- /exec

show hsrp delay

```
show hsrp delay [ interface <interface-id> ] [ __readonly__ TABLE_delay <interface> <min_delay>
<reload_delay> ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
delay	Group initialisation delay
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
<i>__readonly__</i>	(Optional)
<i>TABLE_delay</i>	(Optional)
<i>interface</i>	(Optional) Interface
<i>min_delay</i>	(Optional) Min delay
<i>reload_delay</i>	(Optional) Reload delay

Command Mode

- /exec

show hsrp mgo

```
show hsrp mgo [ name <name> | brief ] [ __readonly__ TABLE_hsrp_mgo <master_name> <master_interface>
<master_address_family> <master_group_id> [ <master_version> ] <master_state> [ <master_down_reason>
] [ { TABLE_slave <slave_interface> <slave_group_id> <slave_state> [ <slave_down_reason> } ] [
<num_slave_group> ] ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
mgo	Show HSRP mgo details
name	(Optional) Redundancy name string
<i>name</i>	(Optional) name string
brief	(Optional) show HSPR mgo brief
<i>__readonly__</i>	(Optional)
TABLE_hsrp_mgo	(Optional)
<i>master_name</i>	(Optional) HSRP master name
<i>master_interface</i>	(Optional) HSRP master interface
<i>master_address_family</i>	(Optional) HSRP master AF
<i>master_group_id</i>	(Optional) HSRP master group ID
<i>master_version</i>	(Optional) HSRP master version
<i>master_state</i>	(Optional) HSRP master state
<i>master_down_reason</i>	(Optional) HSRP master down reason
TABLE_slave	(Optional) Slave table
<i>slave_interface</i>	(Optional) HSRP slave interface
<i>slave_group_id</i>	(Optional) HSRP slave group id
<i>slave_state</i>	(Optional) HSRP slave state
<i>slave_down_reason</i>	(Optional) HSRP slave down reason
<i>num_slave_group</i>	(Optional) HSRP number of slave groups

Command Mode

- /exec

show hsrp summary

```
show hsrp summary [ __readonly__ <switchover_notify_rxed> <bfd_enabled> <num_of_groups>
<num_of_v4_v1_groups> <num_of_v4_v2_groups> <num_of_v6_v2_groups> <num_of_active_groups>
<num_of_standby_groups> <num_of_listen_groups> <num_of_v6_active_groups>
<num_of_v6_standby_groups> <num_of_v6_listen_groups> <num_of_hsrp_enabled_ifs> <counter_pkts_tx>
<counter_pkts_tx_failure> <counter_pkts_in> <counter_pkts_bad_vr> <counter_mts_rx> ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
summary	Show HSRP summary
<i>__readonly__</i>	(Optional)
<i>switchover_notify_rxed</i>	(Optional) Switchover notification received (1 => active)
<i>bfd_enabled</i>	(Optional) BFD status
<i>num_of_groups</i>	(Optional) Total number of groups
<i>num_of_v4_v1_groups</i>	(Optional) Number of IPv4 V1 groups
<i>num_of_v4_v2_groups</i>	(Optional) Number of IPv4 V2 groups
<i>num_of_v6_v2_groups</i>	(Optional) Number of IPv6 V2 groups
<i>num_of_active_groups</i>	(Optional) Number of active groups
<i>num_of_standby_groups</i>	(Optional) Number of standby groups
<i>num_of_listen_groups</i>	(Optional) Number of listen groups
<i>num_of_v6_active_groups</i>	(Optional) Number of IPv6 active groups
<i>num_of_v6_standby_groups</i>	(Optional) Number of IPv6 standby groups
<i>num_of_v6_listen_groups</i>	(Optional) Number of IPv6 listen groups
<i>num_of_hsrp_enabled_ifs</i>	(Optional) Number of HSRP enabled interfaces
<i>counter_pkts_tx</i>	(Optional) Number of packet transmission successes
<i>counter_pkts_tx_failure</i>	(Optional) Number of packet transmission failure
<i>counter_pkts_in</i>	(Optional) Number of packets received successfully
<i>counter_pkts_bad_vr</i>	(Optional) Number of packets for unknown groups
<i>counter_mts_rx</i>	(Optional) Number of MTS messages received

Command Mode

- /exec



I Show Commands

- [show icam entries acl module inst](#), on page 888
- [show icam health](#), on page 890
- [show icam prediction entries acl module inst](#), on page 891
- [show icam prediction scale](#), on page 893
- [show icam scale](#), on page 900
- [show icam system](#), on page 907
- [show ieth-header-decode](#), on page 909
- [show inband-telemetry exporter](#), on page 910
- [show inband-telemetry flow-profile](#), on page 911
- [show inband-telemetry monitor](#), on page 912
- [show inband-telemetry queue-profile](#), on page 913
- [show inband-telemetry record](#), on page 914
- [show inband-telemetry sessions](#), on page 915
- [show inband-telemetry watchlist](#), on page 916
- [show incompatibility-all system](#), on page 917
- [show incompatibility system](#), on page 918
- [show install](#), on page 919
- [show install all failed-standby](#), on page 920
- [show install all failure-reason](#), on page 921
- [show install all impact](#), on page 922
- [show install all impact epld](#), on page 923
- [show install all progress](#), on page 924
- [show install all status](#), on page 925
- [show install all time-stats](#), on page 927
- [show install epld status](#), on page 928
- [show install log](#), on page 929
- [show install mode](#), on page 930
- [show install packages](#), on page 931
- [show install patches](#), on page 932
- [show interface](#), on page 933
- [show interface](#), on page 938
- [show interface](#), on page 943
- [show interface](#), on page 952

- [show interface](#), on page 956
- [show interface](#), on page 977
- [show interface](#), on page 981
- [show interface](#), on page 983
- [show interface](#), on page 989
- [show interface](#), on page 991
- [show interface](#), on page 993
- [show interface aggregate-counters](#), on page 997
- [show interface aggregate-counters](#), on page 1000
- [show interface bcredit](#), on page 1003
- [show interface brief](#), on page 1004
- [show interface brief](#), on page 1005
- [show interface brief](#), on page 1014
- [show interface brief](#), on page 1015
- [show interface brief](#), on page 1018
- [show interface brief](#), on page 1019
- [show interface brief](#), on page 1021
- [show interface brief](#), on page 1022
- [show interface brief](#), on page 1023
- [show interface cable-diagnostics-tdr](#), on page 1024
- [show interface capabilities](#), on page 1025
- [show interface capabilities](#), on page 1027
- [show interface capabilities](#), on page 1029
- [show interface chassis-info](#), on page 1031
- [show interface chassis-info detail](#), on page 1033
- [show interface counters](#), on page 1035
- [show interface counters](#), on page 1037
- [show interface counters](#), on page 1041
- [show interface counters](#), on page 1042
- [show interface counters](#), on page 1045
- [show interface counters](#), on page 1048
- [show interface counters](#), on page 1050
- [show interface counters](#), on page 1052
- [show interface counters brief](#), on page 1053
- [show interface counters brief](#), on page 1055
- [show interface counters detailed](#), on page 1057
- [show interface counters detailed](#), on page 1059
- [show interface counters detailed](#), on page 1071
- [show interface counters detailed](#), on page 1074
- [show interface counters detailed all](#), on page 1081
- [show interface counters detailed all](#), on page 1082
- [show interface counters detailed all](#), on page 1083
- [show interface counters detailed all](#), on page 1086
- [show interface counters detailed all](#), on page 1088
- [show interface counters detailed cached](#), on page 1097
- [show interface counters details](#), on page 1105

- [show interface counters details](#), on page 1109
- [show interface counters errors](#), on page 1110
- [show interface counters errors](#), on page 1112
- [show interface counters errors](#), on page 1114
- [show interface counters fc](#), on page 1115
- [show interface counters snmp](#), on page 1119
- [show interface counters snmp](#), on page 1122
- [show interface counters storm-control](#), on page 1124
- [show interface counters storm-control](#), on page 1125
- [show interface counters storm-control multi-threshold](#), on page 1126
- [show interface counters table](#), on page 1128
- [show interface counters table verbose](#), on page 1129
- [show interface counters trunk](#), on page 1130
- [show interface dampening](#), on page 1131
- [show interface debounce](#), on page 1132
- [show interface debounce](#), on page 1133
- [show interface description](#), on page 1134
- [show interface description](#), on page 1135
- [show interface description](#), on page 1136
- [show interface description](#), on page 1137
- [show interface description](#), on page 1138
- [show interface description](#), on page 1139
- [show interface description](#), on page 1140
- [show interface description](#), on page 1141
- [show interface detail-counters](#), on page 1142
- [show interface fcoe](#), on page 1146
- [show interface fec](#), on page 1147
- [show interface flowcontrol](#), on page 1148
- [show interface flowcontrol](#), on page 1149
- [show interface hardware-mappings](#), on page 1150
- [show interface mac-address](#), on page 1151
- [show interface mac-address](#), on page 1152
- [show interface priority-flow-control](#), on page 1153
- [show interface private-vlan mapping](#), on page 1154
- [show interface pruning](#), on page 1155
- [show interface queuing-drop history brief](#), on page 1156
- [show interface queuing-drop history detail](#), on page 1157
- [show interface server-info interface](#), on page 1158
- [show interface snmp-ifindex](#), on page 1159
- [show interface status](#), on page 1160
- [show interface status](#), on page 1161
- [show interface status](#), on page 1162
- [show interface status](#), on page 1164
- [show interface status](#), on page 1165
- [show interface status](#), on page 1166
- [show interface status](#), on page 1167

- [show interface status err-disabled, on page 1168](#)
- [show interface status err-disabled, on page 1169](#)
- [show interface status err-vlans, on page 1170](#)
- [show interface status err-vlans, on page 1171](#)
- [show interface storm-control multi-threshold, on page 1172](#)
- [show interface switchport, on page 1173](#)
- [show interface switchport, on page 1175](#)
- [show interface switchport backup, on page 1177](#)
- [show interface transceiver, on page 1179](#)
- [show interface transceiver, on page 1189](#)
- [show interface transceiver, on page 1193](#)
- [show interface transceiver fex-fabric, on page 1203](#)
- [show interface transceiver fex-fabric, on page 1210](#)
- [show interface trunk, on page 1212](#)
- [show interface trunk, on page 1214](#)
- [show interface trunk vsan, on page 1216](#)
- [show interface trunk vsan, on page 1217](#)
- [show interface untagged-cos, on page 1218](#)
- [show interface vlan mapping, on page 1219](#)
- [show inventory, on page 1220](#)
- [show ip adjacency, on page 1221](#)
- [show ip amt relay, on page 1224](#)
- [show ip amt route, on page 1225](#)
- [show ip amt tunnel, on page 1226](#)
- [show ip arp, on page 1228](#)
- [show ip arp anycast topo-info, on page 1230](#)
- [show ip arp client, on page 1231](#)
- [show ip arp controller-statistics, on page 1232](#)
- [show ip arp inspection, on page 1233](#)
- [show ip arp inspection interfaces, on page 1234](#)
- [show ip arp inspection log, on page 1235](#)
- [show ip arp inspection statistics, on page 1236](#)
- [show ip arp inspection vlan, on page 1237](#)
- [show ip arp l2 statistics interface, on page 1238](#)
- [show ip arp multihoming-statistics, on page 1239](#)
- [show ip arp off-list, on page 1241](#)
- [show ip arp open-flow error-statistics, on page 1242](#)
- [show ip arp statistics, on page 1244](#)
- [show ip arp suppression-cache, on page 1249](#)
- [show ip arp suppression topo-info, on page 1252](#)
- [show ip arp tunnel-statistics, on page 1253](#)
- [show ip arp vpc-statistics, on page 1255](#)
- [show ip as-path-access-list, on page 1258](#)
- [show ip client, on page 1259](#)
- [show ip community-list, on page 1260](#)
- [show ip dhcp global statistics, on page 1261](#)

- [show ip dhcp option82 suboption info interface](#), on page 1263
- [show ip dhcp relay](#), on page 1264
- [show ip dhcp relay address](#), on page 1266
- [show ip dhcp relay information trusted-sources](#), on page 1267
- [show ip dhcp relay statistics](#), on page 1268
- [show ip dhcp snooping](#), on page 1272
- [show ip dhcp snooping binding](#), on page 1273
- [show ip dhcp snooping statistics](#), on page 1274
- [show ip dhcp status](#), on page 1275
- [show ip dns source-interface](#), on page 1276
- [show ip dns source-interface vrf all](#), on page 1277
- [show ip eigrp](#), on page 1278
- [show ip eigrp accounting](#), on page 1282
- [show ip eigrp interfaces](#), on page 1284
- [show ip eigrp traffic](#), on page 1287
- [show ip extcommunity-list](#), on page 1289
- [show ip fib distribution](#), on page 1290
- [show ip fib distribution clients](#), on page 1291
- [show ip fib distribution mroute](#), on page 1292
- [show ip fib distribution multicast](#), on page 1294
- [show ip fib distribution state](#), on page 1295
- [show ip fib mroute](#), on page 1296
- [show ip fib route](#), on page 1298
- [show ip ftp source-interface](#), on page 1300
- [show ip ftp source-interface vrf all](#), on page 1301
- [show ip http source-interface](#), on page 1302
- [show ip http source-interface vrf all](#), on page 1303
- [show ip igmp groups](#), on page 1304
- [show ip igmp interface](#), on page 1306
- [show ip igmp local-groups](#), on page 1310
- [show ip igmp policy statistics reports](#), on page 1312
- [show ip igmp snooping](#), on page 1313
- [show ip igmp snooping explicit-tracking](#), on page 1315
- [show ip igmp snooping filter details](#), on page 1317
- [show ip igmp snooping groups](#), on page 1318
- [show ip igmp snooping lookup-mode](#), on page 1321
- [show ip igmp snooping mac-oif](#), on page 1322
- [show ip igmp snooping mrouter](#), on page 1323
- [show ip igmp snooping otv vlan brief](#), on page 1325
- [show ip igmp snooping pw vlan brief](#), on page 1326
- [show ip igmp snooping querier](#), on page 1327
- [show ip igmp snooping report statistics](#), on page 1329
- [show ip igmp snooping statistics](#), on page 1330
- [show ip igmp vrf all](#), on page 1334
- [show ip interface](#), on page 1335
- [show ip large-community-list](#), on page 1340

- [show ip lisp](#), on page 1341
- [show ip lisp data-cache](#), on page 1342
- [show ip lisp locator-hash](#), on page 1343
- [show ip lisp map-cache](#), on page 1344
- [show ip lisp statistics](#), on page 1345
- [show ip lisp translate-cache](#), on page 1346
- [show ip load-sharing](#), on page 1347
- [show ip local policy](#), on page 1348
- [show ip logging](#), on page 1349
- [show ip mbgp](#), on page 1350
- [show ip mbgp](#), on page 1351
- [show ip mbgp community](#), on page 1353
- [show ip mbgp dampening](#), on page 1354
- [show ip mbgp extcommunity](#), on page 1355
- [show ip mbgp flap-statistics](#), on page 1356
- [show ip mbgp neighbors](#), on page 1357
- [show ip mbgp nexthop-database](#), on page 1359
- [show ip mbgp nexthop](#), on page 1360
- [show ip mbgp prefix-list](#), on page 1361
- [show ip mbgp received-paths](#), on page 1362
- [show ip mroute](#), on page 1363
- [show ip msdp count](#), on page 1369
- [show ip msdp mesh-group](#), on page 1370
- [show ip msdp peer](#), on page 1371
- [show ip msdp policy statistics sa-policy in](#), on page 1374
- [show ip msdp rpf](#), on page 1376
- [show ip msdp sa](#), on page 1378
- [show ip msdp sources](#), on page 1380
- [show ip msdp statistics](#), on page 1381
- [show ip msdp summary](#), on page 1383
- [show ip multicast vrf](#), on page 1385
- [show ip nat-alias](#), on page 1387
- [show ip nat max](#), on page 1388
- [show ip nat statistics](#), on page 1389
- [show ip nat timeout](#), on page 1392
- [show ip nat translations](#), on page 1393
- [show ip ospf](#), on page 1395
- [show ip ospf border-routers](#), on page 1400
- [show ip ospf database](#), on page 1402
- [show ip ospf database database-summary](#), on page 1405
- [show ip ospf database detail](#), on page 1407
- [show ip ospf interface](#), on page 1413
- [show ip ospf interface brief](#), on page 1416
- [show ip ospf lsa-content-changed-list](#), on page 1418
- [show ip ospf neighbors](#), on page 1420
- [show ip ospf neighbors detail](#), on page 1422

- [show ip ospf neighbors summary](#), on page 1425
- [show ip ospf request-list](#), on page 1427
- [show ip ospf retransmission-list](#), on page 1429
- [show ip ospf route](#), on page 1431
- [show ip ospf route summary](#), on page 1433
- [show ip ospf segment-routing adj-sid-database](#), on page 1435
- [show ip ospf segment-routing global-block](#), on page 1436
- [show ip ospf segment-routing sid-database](#), on page 1437
- [show ip ospf sham-links](#), on page 1439
- [show ip ospf sham-links brief](#), on page 1443
- [show ip ospf statistics](#), on page 1444
- [show ip ospf summary-address](#), on page 1448
- [show ip ospf traffic](#), on page 1449
- [show ip ospf virtual-links](#), on page 1453
- [show ip ospf virtual-links brief](#), on page 1457
- [show ip pim config-sanity](#), on page 1458
- [show ip pim df](#), on page 1460
- [show ip pim fabric info](#), on page 1462
- [show ip pim fabric legacy-vlans](#), on page 1463
- [show ip pim group-range](#), on page 1464
- [show ip pim host-proxy](#), on page 1465
- [show ip pim interface](#), on page 1466
- [show ip pim mdt](#), on page 1470
- [show ip pim mdt bgp](#), on page 1472
- [show ip pim mdt history interval](#), on page 1473
- [show ip pim mdt receive](#), on page 1474
- [show ip pim mdt send](#), on page 1475
- [show ip pim neighbor](#), on page 1476
- [show ip pim oif-list](#), on page 1477
- [show ip pim policy statistics](#), on page 1479
- [show ip pim policy statistics jp](#), on page 1481
- [show ip pim route](#), on page 1482
- [show ip pim rp-hash](#), on page 1484
- [show ip pim rp](#), on page 1485
- [show ip pim statistics](#), on page 1488
- [show ip pim vrf](#), on page 1490
- [show ip ping source-interface](#), on page 1491
- [show ip ping source-interface vrf all](#), on page 1492
- [show ip policy](#), on page 1493
- [show ip prefix-list](#), on page 1494
- [show ip process](#), on page 1495
- [show ip rip](#), on page 1497
- [show ip rip interface](#), on page 1499
- [show ip rip neighbor](#), on page 1501
- [show ip rip policy statistics redistribute](#), on page 1503
- [show ip rip route](#), on page 1505

- [show ip rip statistics](#), on page 1507
- [show ip route](#), on page 1509
- [show ip sla application](#), on page 1513
- [show ip sla configuration](#), on page 1514
- [show ip sla enhanced-history collection-statistics](#), on page 1518
- [show ip sla enhanced-history distribution-statistics](#), on page 1522
- [show ip sla group schedule](#), on page 1523
- [show ip sla history](#), on page 1524
- [show ip sla reaction-configuration](#), on page 1526
- [show ip sla reaction-trigger](#), on page 1527
- [show ip sla responder](#), on page 1528
- [show ip sla statistics](#), on page 1530
- [show ip sla twamp connection detail](#), on page 1536
- [show ip sla twamp connection requests](#), on page 1537
- [show ip sla twamp session](#), on page 1538
- [show ip sla twamp standards](#), on page 1539
- [show ip ssh source-interface](#), on page 1540
- [show ip ssh source-interface vrf all](#), on page 1541
- [show ip static-route](#), on page 1542
- [show ip tcp mss](#), on page 1544
- [show ip telnet source-interface](#), on page 1545
- [show ip telnet source-interface vrf all](#), on page 1546
- [show ip tftp source-interface](#), on page 1547
- [show ip tftp source-interface vrf all](#), on page 1548
- [show ip traceroute source-interface](#), on page 1549
- [show ip traceroute source-interface vrf all](#), on page 1550
- [show ip traffic](#), on page 1551
- [show ip traffic pps](#), on page 1558
- [show ip udp relay](#), on page 1559
- [show ip udp relay interface](#), on page 1560
- [show ip udp relay object-group](#), on page 1561
- [show ip verify source](#), on page 1562
- [show ipt details](#), on page 1563
- [show ipv6 adjacency](#), on page 1564
- [show ipv6 adjacency aggregate-prefix](#), on page 1567
- [show ipv6 adjacency subnet-prefix](#), on page 1568
- [show ipv6 amt tunnel](#), on page 1569
- [show ipv6 bgp](#), on page 1571
- [show ipv6 bgp](#), on page 1572
- [show ipv6 bgp community](#), on page 1573
- [show ipv6 bgp dampening](#), on page 1574
- [show ipv6 bgp extcommunity](#), on page 1575
- [show ipv6 bgp flap-statistics](#), on page 1576
- [show ipv6 bgp neighbors](#), on page 1577
- [show ipv6 bgp nexthop-database](#), on page 1578
- [show ipv6 bgp nexthop](#), on page 1579

- [show ipv6 bgp received-paths](#), on page 1580
- [show ipv6 bgp regex](#), on page 1581
- [show ipv6 bgp summary](#), on page 1582
- [show ipv6 client](#), on page 1583
- [show ipv6 dhcp guard policy](#), on page 1585
- [show ipv6 dhcp relay](#), on page 1586
- [show ipv6 dhcp relay prefix-delegation](#), on page 1588
- [show ipv6 dhcp relay prefix-delegation detail](#), on page 1589
- [show ipv6 dhcp relay statistics](#), on page 1590
- [show ipv6 fragments](#), on page 1594
- [show ipv6 icmp](#), on page 1595
- [show ipv6 icmp global traffic](#), on page 1597
- [show ipv6 icmp interface](#), on page 1600
- [show ipv6 icmp l2 statistics](#), on page 1605
- [show ipv6 icmp nd local-proxy stats](#), on page 1606
- [show ipv6 icmp off-list](#), on page 1607
- [show ipv6 icmp vaddr](#), on page 1608
- [show ipv6 icmp vpc-statistics](#), on page 1612
- [show ipv6 interface](#), on page 1615
- [show ipv6 lisp data-cache](#), on page 1620
- [show ipv6 local policy](#), on page 1621
- [show ipv6 mld global traffic](#), on page 1622
- [show ipv6 mld groups](#), on page 1623
- [show ipv6 mld interface](#), on page 1625
- [show ipv6 mld local-groups](#), on page 1629
- [show ipv6 mld snooping](#), on page 1631
- [show ipv6 mld snooping explicit-tracking](#), on page 1633
- [show ipv6 mld snooping filter details](#), on page 1635
- [show ipv6 mld snooping groups](#), on page 1636
- [show ipv6 mld snooping lookup-mode](#), on page 1639
- [show ipv6 mld snooping mrouter](#), on page 1640
- [show ipv6 mld snooping otv vlan brief](#), on page 1642
- [show ipv6 mld snooping pw vlan brief](#), on page 1643
- [show ipv6 mld snooping querier](#), on page 1644
- [show ipv6 mld snooping report statistics](#), on page 1646
- [show ipv6 mld snooping statistics](#), on page 1647
- [show ipv6 mroute](#), on page 1651
- [show ipv6 mtu](#), on page 1656
- [show ipv6 multicast vrf](#), on page 1658
- [show ipv6 nd ra dns search-list](#), on page 1660
- [show ipv6 nd ra dns server](#), on page 1661
- [show ipv6 nd rguard policy](#), on page 1663
- [show ipv6 nd suppression-cache](#), on page 1664
- [show ipv6 neighbor binding](#), on page 1666
- [show ipv6 neighbor binding mac](#), on page 1667
- [show ipv6 neighbor static](#), on page 1668

- [show ipv6 pim df](#), on page 1669
- [show ipv6 pim fabric info](#), on page 1671
- [show ipv6 pim fabric legacy-vlans](#), on page 1672
- [show ipv6 pim group-range](#), on page 1673
- [show ipv6 pim interface](#), on page 1674
- [show ipv6 pim mdt](#), on page 1678
- [show ipv6 pim mdt bgp](#), on page 1680
- [show ipv6 pim mdt history interval](#), on page 1681
- [show ipv6 pim mdt receive](#), on page 1682
- [show ipv6 pim mdt send](#), on page 1683
- [show ipv6 pim neighbor](#), on page 1684
- [show ipv6 pim oif-list](#), on page 1685
- [show ipv6 pim policy statistics jp](#), on page 1687
- [show ipv6 pim route](#), on page 1688
- [show ipv6 pim rp-hash](#), on page 1690
- [show ipv6 pim rp](#), on page 1691
- [show ipv6 pim statistics](#), on page 1694
- [show ipv6 pim vrf](#), on page 1696
- [show ipv6 policy](#), on page 1697
- [show ipv6 prefix-list](#), on page 1698
- [show ipv6 process](#), on page 1699
- [show ipv6 rguard statistics](#), on page 1701
- [show ipv6 rip policy statistics redistribute](#), on page 1702
- [show ipv6 route](#), on page 1704
- [show ipv6 routers](#), on page 1707
- [show ipv6 snooping capture-policy](#), on page 1709
- [show ipv6 snooping counters vlan](#), on page 1710
- [show ipv6 snooping events](#), on page 1712
- [show ipv6 snooping features](#), on page 1713
- [show ipv6 snooping messages](#), on page 1714
- [show ipv6 snooping policies](#), on page 1715
- [show ipv6 snooping policy](#), on page 1716
- [show ipv6 snooping pss database](#), on page 1718
- [show ipv6 static-route](#), on page 1719
- [show ipv6 traffic](#), on page 1721
- [show isis](#), on page 1724
- [show isis adjacency](#), on page 1728
- [show isis csnp](#), on page 1731
- [show isis database](#), on page 1733
- [show isis distribute-ls](#), on page 1738
- [show isis dynamic-flooding](#), on page 1742
- [show isis interface](#), on page 1744
- [show isis ipv6 redistribute route](#), on page 1750
- [show isis ipv6 route](#), on page 1752
- [show isis ipv6 summary-address](#), on page 1756
- [show isis lslib](#), on page 1758

- [show isis mesh-group](#), on page 1760
- [show isis redistribute route](#), on page 1761
- [show isis route](#), on page 1763
- [show isis rrm](#), on page 1767
- [show isis segment-routing mapcache](#), on page 1769
- [show isis segment-routing remote-srgb](#), on page 1771
- [show isis segment-routing sids](#), on page 1773
- [show isis segment-routing srv6](#), on page 1774
- [show isis segment-routing srv6 locators](#), on page 1775
- [show isis spf-log](#), on page 1777
- [show isis srm](#), on page 1779
- [show isis ssn](#), on page 1780
- [show isis statistics](#), on page 1781
- [show isis summary-address](#), on page 1782
- [show isis topology](#), on page 1784
- [show isis traffic](#), on page 1786
- [show itd](#), on page 1790
- [show itd session device-group](#), on page 1795
- [show itd statistics](#), on page 1796
- [show itd vrf](#), on page 1798
- [show itu channel](#), on page 1799

show icam entries acl module inst

```
show icam entries acl module <module> inst <inst> [ history <num_intervals> ] [ sort { top <top_x> | sort-order
{ ascending | descending } | filter <f_f> [ exact ] | top <top_x> sort-order { ascending | descending } | top
<top_x> filter <f_f> [ exact ] | top <top_x> sort-order { ascending | descending } filter <f_f> [ exact ] | top
<top_x> filter <f_f> [ exact ] sort-order { ascending | descending } | sort-order { ascending | descending } top
<top_x> | sort-order { ascending | descending } filter <f_f> [ exact ] | sort-order { ascending | descending }
filter <f_f> [ exact ] top <top_x> | sort-order { ascending | descending } top <top_x> filter <f_f> [ exact ] |
filter <f_f> [ exact ] top <top_x> | filter <f_f> [ exact ] sort-order { ascending | descending } | filter <f_f> [
exact ] top <top_x> sort-order { ascending | descending } | filter <f_f> [ exact ] sort-order { ascending |
descending } top <top_x> } ] [ __readonly__ <module> <instance> [ <num_intervals> ] [ {
TABLE_ACL_entries <Feature> <Pkt_Type> <SourceIP_Mask_DestIP_Mask> <Action> <Intf_name>
<Stats> [ <Rate> } ] ] ]
```

Syntax Description

show	Show running system information
icam	intelligent CAM
entries	TCAM Entries with result and stats
acl	ACL entries
module	Module Number
<i>module</i>	Enter Module Number
inst	ASIC/Forwarding Engine Instance Number
<i>inst</i>	Enter Instance Number
sort	(Optional) Sorted display
top	(Optional) Show top x% entries (Default:100%)
<i>top_x</i>	(Optional) x% of entries to be displayed
sort-order	(Optional) Choose the order of displaying sorted entries (Default:descending)
ascending	(Optional) Sort in Ascending order of Stats
descending	(Optional) Sort in Descending order of Stats
filter	(Optional) Feature to be filtered (Default:All)
<i>f_f</i>	(Optional) Enter feature to be filtered
exact	(Optional) Exact match for feature filter
history	(Optional) Show entries history
<i>num_intervals</i>	(Optional) Number of intervals to display

<i>__readonly__</i>	(Optional) Read Only
<i>module</i>	(Optional) Module number
<i>instance</i>	(Optional) Instance number
<i>num_intervals</i>	(Optional) Number of intervals displayed
TABLE_ACL_entries	(Optional) Table for ACL entries
<i>Feature</i>	(Optional) Feature name
<i>Pkt_Type</i>	(Optional) Packet type
<i>SourceIP_Mask_DestIP_Mask</i>	(Optional) IP addresses
<i>Action</i>	(Optional) Action
<i>Intf_name</i>	(Optional) Interface name
<i>Stats</i>	(Optional) Total stats
<i>Rate</i>	(Optional) Rate packets/sec

Command Mode

- /exec

show icam health

```
show icam health [ __readonly__ { <Version> } [ { TABLE_cpu <CpuTypeName> <CpuTypeValue> } ] [
{ TABLE_mem <MemTypeName> <MemTypeValue> } ] [ { TABLE_ps <PsTypeName> <PsTypeValue>
} ] ]
```

Syntax Description

show	Show running system information
icam	iCAM - intelligent CAM
health	Health status
__readonly__	(Optional)
<i>Version</i>	(Optional) Version of output format
TABLE_cpu	(Optional) Table CPU Usage
<i>CpuTypeName</i>	(Optional) CPU Usage Type
<i>CpuTypeValue</i>	(Optional) CPU Usage Value
TABLE_mem	(Optional) Table Memory Usage
<i>MemTypeName</i>	(Optional) Memory Usage Type
<i>MemTypeValue</i>	(Optional) Memory Usage Value
TABLE_ps	(Optional) Table Power Supply Usage
<i>PsTypeName</i>	(Optional) Power Supply Information Type
<i>PsTypeValue</i>	(Optional) Power Supply Information Value

Command Mode

- /exec

show icam prediction entries acl module inst

```
show icam prediction entries acl module <module> inst <inst> <YYYY> <Month> <Date> <Time> [ top
<top_x> ] [ __readonly__ <module> <instance> [ { TABLE_PREDICTION_ACL_entries <Feature>
<Pkt_Type> <Value_Mask> <Action> <Intf_name> <Stats> <Prediction> } ] ]
```

Syntax Description

show	Show running system information
icam	intelligent CAM
prediction	Machine learning prediction
entries	TCAM Entries with result and stats
acl	ACL entries
module	Module Number
<i>module</i>	Enter Module Number
inst	ASIC/Forwarding Engine Instance Number
<i>inst</i>	Enter Instance Number
<i>YYYY</i>	Enter year in YYYY format
<i>Month</i>	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>Date</i>	Enter day of month in dd format
<i>Time</i>	Enter hour, minutes, seconds as HH:MM:SS
top	(Optional) Show top x% entries (Default:1%)
<i>top_x</i>	(Optional) x% of entries to be displayed
<i>__readonly__</i>	(Optional) Read Only
<i>module</i>	(Optional) Module number
<i>instance</i>	(Optional) Instance number
TABLE_PREDICTION_ACL_entries	(Optional) Table for ACL entries prediction
<i>Feature</i>	(Optional) Feature name
<i>Pkt_Type</i>	(Optional) Packet type
<i>Value_Mask</i>	(Optional) Value mask
<i>Action</i>	(Optional) Action
<i>Intf_name</i>	(Optional) Interface name

<i>Stats</i>	(Optional) Current stats
<i>Prediction</i>	(Optional) Prediction

Command Mode

- /exec

vlan	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
infra	(Optional) Infrastrure
mac	(Optional) MAC Address
vlan	(Optional) VLAN
vlan-count	(Optional) Number of VLANs
stp	(Optional) Spanning Tree Protocol
mst-instance	(Optional) MST instances
mst-vport	(Optional) MST virtual ports
rpvst-vport	(Optional) RPVST virtual ports
rpvst-vlan	(Optional) RPVST VLANs
isolated-portvlan	(Optional) Total number of VLANs x ports with switchport isolated
multicast-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
igmp-groups	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pim-neighbors	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
outgoing-interfaces	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
routing-forwarding	(Optional) Routing and forwarding
route-v4	(Optional) IPv4 Route
route-v6	(Optional) IPv6 Route
route-sg-v4	(Optional) IPv4 S,G Route
route-starg-v4	(Optional) IPv4 *,G Route
route-sg-v6	(Optional) IPv6 S,G Route
route-starg-v6	(Optional) IPv6 *,G Route
outgoing-interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
igmp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
group	(Optional) IGMP snooping group
pim	(Optional) PIM
neighbor	(Optional) PIM neighbor
bfd-sessions	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
eigrp-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

ipv4-arp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv4-host-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv6-host-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv4-isis-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-nbr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-lsa	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-area	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-passive-intf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
bfd	(Optional) BFD
session	(Optional) BFD session
bgp	(Optional) BGP
neighbor	(Optional) BGP neighbor
eigrp	(Optional) EIGRP
route	(Optional) EIGRP route
neighbor	(Optional) EIGRP neighbor
hsrp	(Optional) HSRP
mac	(Optional) HSRP MAC
arp	(Optional) ARP
arp-count	(Optional) ARP count
ipv6-nd	(Optional) IPv6 ND
nd-count	(Optional) ND count
routing	(Optional) Routing
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
lpm-route-v4	(Optional) IPv4 LPM route
lpm-route-v6	(Optional) IPv6 LPM route
isis	(Optional) IS-IS
adjacency	(Optional) IS-ISv4 adjacency

bfd-session	(Optional) IS-ISv4 BFD session
route	(Optional) IS-ISv4 route
ospf	(Optional) OSPF
neighbor	(Optional) OSPF neighbor
lsa	(Optional) OSPF LSA
area	(Optional) OSPF Area
vrf	(Optional) VRF
vrf-count	(Optional) VRF count
vrrp	(Optional) VRRP
grp-per-intf	(Optional) VRRP groups per interface
pbr	(Optional) PBR
seq-per-policy	(Optional) PBR Configured sequences per policy
nh-per-policy	(Optional) PBR NextHop per policy
ace-v4	(Optional) PBR IPv4 ACEs
ace-v6	(Optional) PBR IPv6 ACEs
ace-v4v6	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
intf	(Optional) Interfaces with PBR policy
vrrp3	(Optional) VRRPv3
grp-per-intf	(Optional) VRRPv3 groups per interface
grp-dft-timer	(Optional) VRRPv3 groups with default timers (1 s)
grp-relax-timer	(Optional) VRRPv3 groups with relaxed timers (3 s)
path-dft-timer	(Optional) Pathways with one VRRPv3 group with default timer (1 s)
grp-and-path	(Optional) VRRPv3 groups and pathways combined
igmp	(Optional) IGMP snooping over VXLAN
vlan	(Optional) VLAN
vtep	(Optional) VTEP Peers
underlay-mcast-group	(Optional) Underlay multicast group
fl	(Optional) VXLAN Flood and Learn
vni	(Optional) VNI

underlay-mcast-group	(Optional) Underlay multicast group
overlay-mac	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
total-mac	(Optional) Total MAC address
vtep	(Optional) Remote VTEP
ir-peer	(Optional) Ingress replication peer
ir-vni	(Optional) Ingress replication L2 VNI
ir-mac	(Optional) Ingress replication MAC address
vlan-mapping-under-intf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vlan-mapping-in-switch	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
static-mac-to-vtep	(Optional) Static MACs to remote VTEP
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLANs per FEX port
vni-for-vpc-gw	(Optional) L2 routed VNIs for vPC-centralized gateway
igmp-group	(Optional) IGMP group
bgp	(Optional) BGP eVPN
vni	(Optional) VNI
svi	(Optional) SVI with Anycast Gateway
vrf	(Optional) VRF
underlay-mcast-group	(Optional) Underlay multicast group
vtep	(Optional) VTEP
mac	(Optional) MAC address
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
overlay-lpm-route-v4	(Optional) IPv4 LPM route
overlay-lpm-route-v6	(Optional) IPv6 LPM route
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLAN per FEX port
igmp-group	(Optional) IGMP group
bgp-ir	(Optional) BGP eVPN Ingress Replication

vni	(Optional) VNI
svi	(Optional) SVI with Anycast Gateway
vrf	(Optional) VRF
vtep	(Optional) VTEP
mac	(Optional) MAC address
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
overlay-lpm-route-v4	(Optional) IPv4 LPM route
overlay-lpm-route-v6	(Optional) IPv6 LPM route
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLAN per FEX port
igmp-group	(Optional) IGMP group
__readonly__	(Optional) Read Only
<i>Info_Thres</i>	(Optional) Configured info threshold percent
<i>Warn_Thres</i>	(Optional) Configured warning threshold percent
<i>Crit_Thres</i>	(Optional) Configured critical threshold percent
TABLE_technology	(Optional) Table technology
<i>Technology</i>	(Optional) Technology name
TABLE_feature	(Optional) Table feature
<i>Feature</i>	(Optional) Feature name
<i>Verified_Scale</i>	(Optional) Verified scale
<i>Config_Scale</i>	(Optional) Configured scale
TABLE_feature_stats	(Optional) Table feature stats
<i>Used_Entries</i>	(Optional) Used entries
<i>Cur_Util</i>	(Optional) Current utilization
<i>YYYY</i>	Enter year in YYYY format
<i>Month</i>	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>Date</i>	Enter day of month in dd format
<i>Time</i>	Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

vlan	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
infra	(Optional) Infrastructure
mac	(Optional) MAC Address
vlan	(Optional) VLAN
vlan-count	(Optional) Number of VLANs
stp	(Optional) Spanning Tree Protocol
mst-instance	(Optional) MST instances
mst-vport	(Optional) MST virtual ports
rpvst-vport	(Optional) RPVST virtual ports
rpvst-vlan	(Optional) RPVST VLANs
isolated-portvlan	(Optional) Total number of VLANs x ports with switchport isolated
multicast-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
igmp-groups	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pim-neighbors	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
outgoing-interfaces	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
routing-forwarding	(Optional) Routing and forwarding
route-v4	(Optional) IPv4 Route
route-v6	(Optional) IPv6 Route
route-sg-v4	(Optional) IPv4 S,G Route
route-starg-v4	(Optional) IPv4 *,G Route
route-sg-v6	(Optional) IPv6 S,G Route
route-starg-v6	(Optional) IPv6 *,G Route
outgoing-interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
igmp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
group	(Optional) IGMP snooping group
pim	(Optional) PIM
neighbor	(Optional) PIM neighbor
bfd-sessions	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
eigrp-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

ipv4-arp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv4-host-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv6-host-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv4-isis-routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-nbr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-lsa	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-area	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ospf-passive-intf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
bfd	(Optional) BFD
session	(Optional) BFD session
bgp	(Optional) BGP
neighbor	(Optional) BGP neighbor
eigrp	(Optional) EIGRP
route	(Optional) EIGRP route
neighbor	(Optional) EIGRP neighbor
hsrp	(Optional) HSRP
mac	(Optional) HSRP MAC
arp	(Optional) ARP
arp-count	(Optional) ARP count
ipv6-nd	(Optional) IPv6 ND
nd-count	(Optional) ND count
routing	(Optional) Routing
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
lpm-route-v4	(Optional) IPv4 LPM route
lpm-route-v6	(Optional) IPv6 LPM route
isis	(Optional) IS-IS
adjacency	(Optional) IS-ISv4 adjacency

bfd-session	(Optional) IS-ISv4 BFD session
route	(Optional) IS-ISv4 route
ospf	(Optional) OSPF
neighbor	(Optional) OSPF neighbor
lsa	(Optional) OSPF LSA
area	(Optional) OSPF Area
vrf	(Optional) VRF
vrf-count	(Optional) VRF count
vrrp	(Optional) VRRP
grp-per-intf	(Optional) VRRP groups per interface
pbr	(Optional) PBR
seq-per-policy	(Optional) PBR Configured sequences per policy
nh-per-policy	(Optional) PBR NextHop per policy
ace-v4	(Optional) PBR IPv4 ACEs
ace-v6	(Optional) PBR IPv6 ACEs
ace-v4v6	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
intf	(Optional) Interfaces with PBR policy
vrrp3	(Optional) VRRPv3
grp-per-intf	(Optional) VRRPv3 groups per interface
grp-dft-timer	(Optional) VRRPv3 groups with default timers (1 s)
grp-relax-timer	(Optional) VRRPv3 groups with relaxed timers (3 s)
path-dft-timer	(Optional) Pathways with one VRRPv3 group with default timer (1 s)
grp-and-path	(Optional) VRRPv3 groups and pathways combined
igmp	(Optional) IGMP snooping over VXLAN
vlan	(Optional) VLAN
vtep	(Optional) VTEP Peers
underlay-mcast-group	(Optional) Underlay multicast group
fl	(Optional) VXLAN Flood and Learn
vni	(Optional) VNI

underlay-mcast-group	(Optional) Underlay multicast group
overlay-mac	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
total-mac	(Optional) Total MAC address
vtep	(Optional) Remote VTEP
ir-peer	(Optional) Ingress replication peer
ir-vni	(Optional) Ingress replication L2 VNI
ir-mac	(Optional) Ingress replication MAC address
vlan-mapping-under-intf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vlan-mapping-in-switch	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
static-mac-to-vtep	(Optional) Static MACs to remote VTEP
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLANs per FEX port
vni-for-vpc-gw	(Optional) L2 routed VNIs for vPC-centralized gateway
igmp-group	(Optional) IGMP group
bgp	(Optional) BGP eVPN
vni	(Optional) VNI
svi	(Optional) SVI with Anycast Gateway
vrf	(Optional) VRF
underlay-mcast-group	(Optional) Underlay multicast group
vtep	(Optional) VTEP
mac	(Optional) MAC address
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
overlay-lpm-route-v4	(Optional) IPv4 LPM route
overlay-lpm-route-v6	(Optional) IPv6 LPM route
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLAN per FEX port
igmp-group	(Optional) IGMP group
bgp-ir	(Optional) BGP eVPN Ingress Replication

vni	(Optional) VNI
svi	(Optional) SVI with Anycast Gateway
vrf	(Optional) VRF
vtep	(Optional) VTEP
mac	(Optional) MAC address
host-route-v4	(Optional) IPv4 host route
host-route-v6	(Optional) IPv6 host route
overlay-lpm-route-v4	(Optional) IPv4 LPM route
overlay-lpm-route-v6	(Optional) IPv6 LPM route
vlan-logical-port-vp	(Optional) VLAN logical port VP count
vlan-per-fex-port	(Optional) VLAN per FEX port
igmp-group	(Optional) IGMP group
history	(Optional) Show scale history
<i>num_intervals</i>	(Optional) Number of intervals in history
sort	(Optional) Sorted display
current-scale	(Optional) Sort records by current-scale value
ascending	(Optional) Sort current-scale values in ascending order
descending	(Optional) Sort current-scale values in descending order
polled-timestamp	(Optional) Sort records by polled-timestamp
newest	(Optional) Sort with newest record first
oldest	(Optional) Sort with oldest record first
utilization	(Optional) Show utilization statistics
thresholds	(Optional) Show thresholds statistics
<u>__readonly__</u>	(Optional) Read Only
<i>Info_Thres</i>	(Optional) Configured info threshold percent
<i>Warn_Thres</i>	(Optional) Configured warning threshold percent
<i>Crit_Thres</i>	(Optional) Configured critical threshold percent
TABLE_technology	(Optional) Table technology
<i>Technology</i>	(Optional) Technology name

<i>TABLE_feature</i>	(Optional) Table feature
<i>Feature</i>	(Optional) Feature name
<i>Instance</i>	(Optional) Instance name. Present if the record is for a specific instance on the system (i.e. module, port combination or specific application instance in a VDC)
<i>Verified_Scale</i>	(Optional) Verified scale
<i>Config_Scale</i>	(Optional) Configured scale
<i>TABLE_feature_stats</i>	(Optional) Table feature stats
<i>Used_Entries</i>	(Optional) Used entries
<i>Cur_Util</i>	(Optional) Current utilization
<i>Thres_Exceeded</i>	(Optional) Threshold type exceeded
<i>Polled_TS</i>	(Optional) Polled timestamp
<i>Avg_Util</i>	(Optional) Average utilization
<i>Week_Util</i>	(Optional) 1 week utilization
<i>Week_TS</i>	(Optional) 1 week peak utilization timestamp
<i>Peak_Util</i>	(Optional) Peak utilization
<i>Peak_TS</i>	(Optional) Peak utilization timestamp
<i>Info_Thres_Exceed</i>	(Optional) Number of times info threshold exceeded
<i>Info_Thres_Exceed_TS</i>	(Optional) Last info threshold exceeded timestamp
<i>Warn_Thres_Exceed</i>	(Optional) Number of times warning threshold exceeded
<i>Warn_Thres_Exceed_TS</i>	(Optional) Last warning threshold exceeded timestamp
<i>Crit_Thres_Exceed</i>	(Optional) Number of times critical threshold exceeded
<i>Crit_Thres_Exceed_TS</i>	(Optional) Last critical threshold exceeded timestamp

Command Mode

- /exec

<i>TABLE_item</i>	(Optional) Table item
<i>Name</i>	(Optional) Item name
<i>Instance</i>	(Optional) Instance information
<i>Unit</i>	(Optional) Unit of the usage value
<i>Usage</i>	(Optional) Usage value
<i>Limit</i>	(Optional) Limit
<i>Util</i>	(Optional) Utilization percentage
<i>Thres_Exceeded</i>	(Optional) Threshold type exceeded
<i>Polled_TS</i>	(Optional) Polled timestamp
<i>Avg_Util</i>	(Optional) Average utilization
<i>Peak_Util</i>	(Optional) Peak utilization
<i>Peak_TS</i>	(Optional) Peak utilization timestamp
<i>Info_Thres_Exceed</i>	(Optional) Number of times info threshold exceeded
<i>Info_Thres_Exceed_TS</i>	(Optional) Last info threshold exceeded timestamp
<i>Warn_Thres_Exceed</i>	(Optional) Number of times warning threshold exceeded
<i>Warn_Thres_Exceed_TS</i>	(Optional) Last warning threshold exceeded timestamp
<i>Crit_Thres_Exceed</i>	(Optional) Number of times critical threshold exceeded
<i>Crit_Thres_Exceed_TS</i>	(Optional) Last critical threshold exceeded timestamp

Command Mode

- /exec

show ieth-header-decode

show ieth-header-decode <ieth>

Syntax Description

show	Show running system information
ieth-header-decode	Show decode of ieth header
<i>ieth</i>	ieth header in hex (0xFF...) or string (FF..) form

Command Mode

- /exec

show inband-telemetry exporter

```
show inband-telemetry exporter [ <exportername> ] [ __readonly__ <exporter> <description> <dest> <vrf>
<vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <dscp> <seq_num> ]
```

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
exporter	Show INT Exporter Configuration
<i>exportername</i>	(Optional) Specify an exporter
<i>__readonly__</i>	(Optional)
<i>exporter</i>	(Optional)
<i>description</i>	(Optional)
<i>dest</i>	(Optional)
<i>vrf</i>	(Optional)
<i>vrf_id</i>	(Optional)
<i>vrf_resolved</i>	(Optional)
<i>dest_udp</i>	(Optional)
<i>source_intf</i>	(Optional)
<i>source_ip</i>	(Optional)
<i>dscp</i>	(Optional)
<i>seq_num</i>	(Optional)

Command Mode

- /exec

show inband-telemetry flow-profile

```
show inband-telemetry flow-profile [ <flow-profilename> ] [ __readonly__ <flow-profile> <description>
<dscp> <age> <latency> ]
```

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
flow-profile	Show INT flow Profile Configuration
<i>flow-profilename</i>	(Optional) Specify an flow Profile
<i>__readonly__</i>	(Optional)
<i>flow-profile</i>	(Optional)
<i>description</i>	(Optional)
<i>dscp</i>	(Optional)
<i>age</i>	(Optional)
<i>latency</i>	(Optional)

Command Mode

- /exec

show inband-telemetry monitor

```
show inband-telemetry monitor [ <monitorname> [ cache [ detailed ] ] ] [ __readonly__ <monitor> <use_count>
<description> <record> <event> <exporter> <bucket_id> <src_addr> <dest_addr> <watchlist> ]
```

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
monitor	Show Monitor Configuration
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
<i>__readonly__</i>	(Optional)
<i>monitor</i>	(Optional)
<i>use_count</i>	(Optional)
<i>description</i>	(Optional)
<i>record</i>	(Optional)
<i>event</i>	(Optional)
<i>exporter</i>	(Optional)
<i>bucket_id</i>	(Optional)
<i>src_addr</i>	(Optional)
<i>dest_addr</i>	(Optional)
<i>watchlist</i>	(Optional)

Command Mode

- /exec

show inband-telemetry queue-profile

```
show inband-telemetry queue-profile [ <queue-profilename> | queue-profile-default ] [ __readonly__
<queue-profile> <description> <depth> <latency> ]
```

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
queue-profile	Show INT Queue Profile Configuration
<i>queue-profilename</i>	(Optional) Specify an Queue Profile
queue-profile-default	(Optional) Show INT Queue Profile Default Configuration
__readonly__	(Optional)
<i>queue-profile</i>	(Optional)
<i>description</i>	(Optional)
<i>depth</i>	(Optional)
<i>latency</i>	(Optional)

Command Mode

- /exec

show inband-telemetry record

show inband-telemetry record [{ <recordname> }] [__readonly__ <record> <description> <use_count>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
record	Show Record Configuration
<i>recordname</i>	(Optional) Specify a record
__readonly__	(Optional)
<i>record</i>	(Optional)
<i>description</i>	(Optional)
<i>use_count</i>	(Optional)

Command Mode

- /exec

show inband-telemetry sessions

show inband-telemetry sessions [<monitorname>] [__readonly__ <monitor>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
sessions	Show Session Configuration
<i>monitorname</i>	(Optional) Specify a monitor
<i>__readonly__</i>	(Optional)
<i>monitor</i>	(Optional)

Command Mode

- /exec

show inband-telemetry watchlist

```
show inband-telemetry watchlist [ { <watchlistname> } ] [ __readonly__ <watchlist> <use_count>
<description> <num_aces> <ace_seq_num> <ace_action> <ace_type> <ace_sip> <ace_sip_len> <ace_dip>
<ace_dip_len> ]
```

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
watchlist	Show watchlist Configuration
<i>watchlistname</i>	(Optional) Specify a watchlist
<i>__readonly__</i>	(Optional)
<i>watchlist</i>	(Optional)
<i>use_count</i>	(Optional)
<i>description</i>	(Optional)
<i>num_aces</i>	(Optional)
<i>ace_seq_num</i>	(Optional)
<i>ace_action</i>	(Optional)
<i>ace_type</i>	(Optional)
<i>ace_sip</i>	(Optional)
<i>ace_sip_len</i>	(Optional)
<i>ace_dip</i>	(Optional)
<i>ace_dip_len</i>	(Optional)

Command Mode

- /exec

show incompatibility-all system

```
show incompatibility-all { system <uri0> | nxos <uri1> } [ __readonly__ { [ TABLE_incompat_all <Str1> [
<Serv> ] [ <Cap> ] [ <Desc> ] [ <Req> ] [ <Enable> ] ] [ <Dynamic> ] } ]
```

Syntax Description

show	Show running system information
incompatibility-all	Show incompatible configurations for the entire system
system	show incompatibilities with an image
<i>uri0</i>	Enter image uri
nxos	show incompatibilities with an image
<i>uri1</i>	Enter image uri
<i>__readonly__</i>	(Optional)
TABLE_incompat_all	(Optional) Show incompatibility system table
<i>Str1</i>	(Optional)
<i>Serv</i>	(Optional)
<i>Cap</i>	(Optional)
<i>Desc</i>	(Optional)
<i>Req</i>	(Optional)
<i>Enable</i>	(Optional)
<i>Dynamic</i>	(Optional)

Command Mode

- /exec

show incompatibility system

```
show incompatibility { system <uri0> | nxos <uri1> } [ __readonly__ { [ TABLE_incompat <Str1> [ <Serv>
] [ <Cap> ] [ <Desc> ] [ <Req> ] [ <Enable> ] [ <Dynamic> ] } ]
```

Syntax Description

show	Show running system information
incompatibility	Show incompatible configurations
system	show incompatibilities with an image
<i>uri0</i>	Enter image uri
nxos	show incompatibilities with an image
<i>uri1</i>	Enter image uri
<i>__readonly__</i>	(Optional)
TABLE_incompat	(Optional) Show incompatibility system table
<i>Str1</i>	(Optional)
<i>Serv</i>	(Optional)
<i>Cap</i>	(Optional)
<i>Desc</i>	(Optional)
<i>Req</i>	(Optional)
<i>Enable</i>	(Optional)
<i>Dynamic</i>	(Optional)

Command Mode

- /exec

show install

```
show install { inactive | active [ brief ] | committed } [ __readonly__ { <curr_nxos_image> [ TABLE_smu_list
<install_smu_id> <install_smu_state> ] [ TABLE_package_list <package_id> + ] [ TABLE_base_package_list
<base_package_id> + ] } ]
```

Syntax Description

show	Show running system information
install	Install related show commands
inactive	Inactive packages
active	Active packages
brief	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
committed	Committed packages
__readonly__	(Optional)
<i>curr_nxos_image</i>	(Optional) NXOS image
TABLE_smu_list	(Optional)
<i>install_smu_id</i>	(Optional) install operation smu identifier
<i>install_smu_state</i>	(Optional) install operation smu state
TABLE_package_list	(Optional)
<i>package_id</i>	(Optional) Package name
TABLE_base_package_list	(Optional)
<i>base_package_id</i>	(Optional) Base package name

Command Mode

- /exec

show install all failed-standby

```
show install all failed-standby [ __readonly__ { [ TABLE_installFailStandby <Str1> ] } ]
```

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	Show install all information
failed-standby	show log from failed standby
__readonly__	(Optional)
TABLE_installFailStandby	(Optional) Install failed-standby table
<i>Str1</i>	(Optional)

Command Mode

- /exec

show install all failure-reason

```
show install all failure-reason [ __readonly__ { [ TABLE_installFailReason <installFailReasonStr> ] } ]
```

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
failure-reason	Show failure reason for the last install all
__readonly__	(Optional)
TABLE_installFailReason	(Optional) Install failure-reason table
<i>installFailReasonStr</i>	(Optional)

Command Mode

- /exec

show install all impact

show install all impact [nxos <uri>] + [non-disruptive]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
impact	show impact of the install all command
nxos	(Optional) boot-variable name
<i>uri</i>	(Optional) Enter image uri
non-disruptive	(Optional) non-disruptive show install

Command Mode

- /exec

show install all impact epld

```
show install all impact epld <uri> [ __readonly__ [ { TABLE_verinfo <ver_module> <ver_type> <epld_name>
<run_ver> <new_ver> <upg_req> } ] [ { TABLE_compat <module> <type> <upgradable> <impact> <reason>
} ] ]
```

Syntax Description

show	Show running system information
install	Show the software install status
all	show install all information
impact	show impact of the install all epld command
epld	Show EPLD install information
<i>uri</i>	Local URI containing EPLD Image
<i>__readonly__</i>	(Optional)
TABLE_verinfo	(Optional)
<i>ver_module</i>	(Optional)
<i>ver_type</i>	(Optional)
<i>epld_name</i>	(Optional)
<i>run_ver</i>	(Optional)
<i>new_ver</i>	(Optional)
<i>upg_req</i>	(Optional)
TABLE_compat	(Optional)
<i>module</i>	(Optional)
<i>type</i>	(Optional)
<i>upgradable</i>	(Optional)
<i>impact</i>	(Optional)
<i>reason</i>	(Optional)

Command Mode

- /exec

show install all progress

show install all progress

Syntax Description

show	Show running system information
install	Show the software install progress
all	show install all information
progress	show progress of the current install all

Command Mode

- /exec

show install all status

```
show install all status [ __readonly__ { [ <no_install_status> ] [ TABLE_installstage <rownum> <moduleid>
<starttime> <stage> <stagesstatus> <endtime> ] [ TABLE_installcompatibility <compat_module_id> <bootable>
<impact> <install_type> [ <reason> ] ] [ TABLE_installversion <entryid> <version_module_id> <image>
<running_version> <new_version> <upg_required> ] [ TABLE_installadditionalinfo <add_info> ] } ]
```

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
status	show status of the current or last install all
<i>__readonly__</i>	(Optional)
TABLE_installstage	(Optional) install preupgrade stage table
TABLE_installcompatibility	(Optional) Compatibility table
<i>no_install_status</i>	(Optional) no recent install output
<i>rownum</i>	(Optional) row number of this stage in table
<i>moduleid</i>	(Optional) module id
<i>starttime</i>	(Optional) install step start time
<i>stage</i>	(Optional) install stage
<i>stagesstatus</i>	(Optional) success or failure of stage
<i>endtime</i>	(Optional) install stage end time
<i>compat_module_id</i>	(Optional) compat_module_id
<i>bootable</i>	(Optional) module bootable, yes or no
<i>impact</i>	(Optional) impact, disruptive or nondisruptive
<i>install_type</i>	(Optional) type of install, reset or none
<i>reason</i>	(Optional) reason
TABLE_installversion	(Optional) module new version information
<i>entryid</i>	(Optional)
<i>version_module_id</i>	(Optional)
<i>image</i>	(Optional)

<i>running_version</i>	(Optional)
<i>new_version</i>	(Optional)
<i>upg_required</i>	(Optional)
TABLE_installadditionalinfo	(Optional) additional info
<i>add_info</i>	(Optional) additional info string

Command Mode

- /exec

show install all time-stats

show install all time-stats [detail | handshake]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
time-stats	show overall time statistics of the last install all
detail	(Optional) show detailed time statistics of the last install all
handshake	(Optional) show handshake time statistics for sysmgr and lc processes of the last install all

Command Mode

- /exec

show install epld status

```
show install epld status [ __readonly__ [ { TABLE_data <entry_num> [ <header_info> ] <module_num>
<time> [ <epld_install_name> ] [ <reason> ] [ <status> ] [ TABLE_epld [ <epld_name> ] [ <curr_ver> ] [
<old_ver> ] ] } ] ] ]
```

Syntax Description

show	Show running system information
install	Show the software install status
epld	Show EPLD install information
status	Show status of previous EPLD upgrades
<i>__readonly__</i>	(Optional)
<i>TABLE_data</i>	(Optional)
<i>entry_num</i>	(Optional)
<i>header_info</i>	(Optional)
<i>module_num</i>	(Optional)
<i>time</i>	(Optional)
<i>epld_install_name</i>	(Optional)
<i>reason</i>	(Optional)
<i>status</i>	(Optional)
<i>TABLE_epld</i>	(Optional)
<i>epld_name</i>	(Optional)
<i>curr_ver</i>	(Optional)
<i>old_ver</i>	(Optional)

Command Mode

- /exec

show install log

```
show install log { [ <id> | from <id1> ] [ detail ] [ reverse ] [ last ] } [ __readonly__ { current_time <curr_time>
[ TABLE_show_log_output <install_id> <install_log_entry> + ] }
```

Syntax Description

show	Show running system information
install	Install related show commands
log	log
<i>id</i>	(Optional) Install Identifies
from	(Optional) Starting at this install identifier
<i>id1</i>	(Optional) Install Identifier
detail	(Optional) Detailed information including impacted processes
reverse	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
last	(Optional) Display the logs for last install operation
__readonly__	(Optional)
current_time	(Optional) current time
<i>curr_time</i>	(Optional) current time
TABLE_show_log_output	(Optional)
<i>install_id</i>	(Optional) install operation id
<i>install_log_entry</i>	(Optional) install log entry

Command Mode

- /exec

show install mode

```
show install mode [ __readonly__ { <install_mode> <image_type> } ]
```

Syntax Description

show	Show running system information
install	Install related show commands
mode	Display mode and type of booted image
<i>__readonly__</i>	(Optional)
<i>install_mode</i>	(Optional) install mode
<i>image_type</i>	(Optional) image type

Command Mode

- /exec

show install packages

```
show install packages [ __readonly__ { <curr_nxos_image> [ TABLE_package_list <package_name>
<version> <state> <signature> ] } ]
```

Syntax Description

show	Show running system information
install	Install related show commands
packages	All packages
<i>__readonly__</i>	(Optional)
<i>curr_nxos_image</i>	(Optional) NXOS image
<i>TABLE_package_list</i>	(Optional)
<i>package_name</i>	(Optional) Package name
<i>version</i>	(Optional) Package version
<i>state</i>	(Optional) package state
<i>signature</i>	(Optional) Signature

Command Mode

- /exec

show install patches

```
show install patches [ __readonly__ { <curr_nxos_image> [ TABLE_smu_list <install_smu_id>
<install_smu_state> [ TABLE_module_list <install_modno> <install_mod_smu_state> ] ] } ]
```

Syntax Description

show	Show running system information
install	Install related show commands
patches	All Patches
<i>__readonly__</i>	(Optional)
<i>TABLE_smu_list</i>	(Optional)
<i>curr_nxos_image</i>	(Optional) NXOS image
<i>install_smu_id</i>	(Optional) install operation smu identifier
<i>install_smu_state</i>	(Optional) install operation smu state
<i>TABLE_module_list</i>	(Optional)
<i>install_modno</i>	(Optional) install operation module number
<i>install_mod_smu_state</i>	(Optional) install operation module state

Command Mode

- /exec

show interface

```
show interface <ifid_brief2> [ brief ] [ __readonly__ [ { TABLE_interface_fc [ <interface_vfc> ] [ <vsan_brief> ] ] [ <oper_port_state> ] [ <port_state> ] [ <bound_interface> ] [ <port_desc> ] [ <port_des> ] [ <mgmt_hw_desc1> ] [ <mgmt_hw_addr1> ] [ <port_name> ] [ <hardware> ] [ <sfp> ] [ <port_wwn> ] [ <peer_port_wwn> ] [ <admin_mode> ] [ <admin_trunk_mode> ] [ <snmp_trap> ] [ <status> ] [ <state_rsn1> ] [ <fcot_info> ] [ <bind_info> ] [ <bind_mac> ] [ <bind_type> ] [ <port_mode> ] [ <fcid> ] [ <cfg_port_vsan> ] [ <vsan> ] [ <port_rate_mode> ] [ <oper_speed> ] [ <admin_speed> ] [ <port_channel> ] [ <ip_addr1> ] [ <oper_txbbcredit> ] [ <oper_rxbcredit> ] [ <port_bb_scn> ] [ <admin_rxbufsize> ] [ <admin_port_encap> ] [ <admin_beacon_mode> ] [ <admin_fec_state> ] [ <oper_fec_state> ] [ <bundle_if_index> ] [ <trkd_if_index> ] [ <trk_cfg_vsans> ] [ <trkd_port_state> ] [ <num_ports> ] [ TABLE_trk_intf [ <trk_intf> ] ] [ <info_type_num> ] [ <info_model_num> ] [ <info_manufacturer> ] [ <info_port_id> ] [ <active_vsan> ] [ <trunk_vsan_up> ] [ <trunk_vsan_isolated> ] [ <trunk_vsan_initializing> ] [ <in_bps> ] [ <in_byps> ] [ <in_fps> ] [ <out_bps> ] [ <out_byps> ] [ <out_fps> ] [ <total_in_frames> ] [ <total_in_bytes> ] [ <total_in_discards> ] [ <total_in_errors> ] [ <invalid_crc> ] [ <unknown_class_frames> ] [ <frames_too_long> ] [ <frames_too_short> ] [ <total_out_frames> ] [ <total_out_bytes> ] [ <total_out_discards> ] [ <total_out_errors> ] [ <in_ols> ] [ <in_lrr> ] [ <in_nos> ] [ <in_loop_inits> ] [ <out_ols> ] [ <out_lrr> ] [ <out_nos> ] [ <out_loop_inits> ] [ <rx_b2b_perf_buff> ] [ <rx_b2b_credit> ] [ <tx_b2b_credit> ] [ <tx_b2b_low_pri_cre> ] [ <fcoe_in_pkts> ] [ <fcoe_in_octets> ] [ <fcoe_out_pkts> ] [ <fcoe_out_octets> ] [ TABLE_members [ <port_channel_member> ] ] [ <interface_last_changed> ] [ <time_last_cleared> ] } ] [ { TABLE_interface_brief_fc [ <interface_fc> ] [ <vsan_brief> ] [ <admin_mode> ] [ <admin_trunk_mode> ] [ <status> ] [ <fcot_info> ] [ <bind_info> ] [ <bind_type> ] [ <bind_mac> ] [ <port_rate_mode> ] [ <oper_speed> ] [ <port_channel> ] [ <ip_addr> ] } ] [ { TABLE_interface_brief_san_pc [ <interface_san> ] [ <vsan_brief> ] [ <admin_trunk_mode> ] [ <status> ] [ <port_rate_mode> ] [ <oper_speed> ] [ <ip_addr> ] } ] ]
```

Syntax Description

<code>show</code>	Show running system information
<code>interface</code>	Show interface status and information
<code>ifid_brief2</code>	Enter interface type and number in module/slot format
<code>brief</code>	(Optional) Show brief info of interface
<code>__readonly__</code>	(Optional) Read Only
<code>interface_vfc</code>	(Optional) Interface index
<code>TABLE_interface_fc</code>	(Optional) show interface
<code>vsan_brief</code>	(Optional) vsan for brief
<code>oper_port_state</code>	(Optional) oper port state
<code>port_state</code>	(Optional) port state
<code>bound_interface</code>	(Optional) bound interface
<code>port_desc</code>	(Optional) port description
<code>port_des</code>	(Optional) port description

<i>mgmt_hw_desc1</i>	(Optional) HW description
<i>mgmt_hw_addr1</i>	(Optional) HW address
<i>port_name</i>	(Optional) port description
<i>hardware</i>	(Optional) Hardware is
<i>sfp</i>	(Optional) sfp
<i>port_wwn</i>	(Optional) port wwn
<i>peer_port_wwn</i>	(Optional) peer port wwn
<i>admin_mode</i>	(Optional) admin mode
<i>admin_trunk_mode</i>	(Optional) admin trunk mode
<i>snmp_trap</i>	(Optional) snmp trap
<i>status</i>	(Optional) Status
<i>state_rsn1</i>	(Optional) state reason
<i>fcot_info</i>	(Optional) fcot info
<i>bind_info</i>	(Optional) bind interface
<i>bind_mac</i>	(Optional) bind mac
<i>bind_type</i>	(Optional) bind type
<i>port_mode</i>	(Optional) port mode
<i>fcid</i>	(Optional) fcid
<i>cfg_port_vsan</i>	(Optional) config port vsan
<i>vsan</i>	(Optional) vsan for brief
<i>port_rate_mode</i>	(Optional) operation port rate mode
<i>oper_speed</i>	(Optional) speed
<i>admin_speed</i>	(Optional) admin speed
<i>port_channel</i>	(Optional) port channel
<i>ip_addr1</i>	(Optional) Ip address
<i>oper_txbbcredit</i>	(Optional) oper tx bbcredit
<i>oper_rxbbcredit</i>	(Optional) oper rx bbcredit
<i>port_bb_scn</i>	(Optional) port bb scn
<i>admin_rxbufsize</i>	(Optional) admin rx bufsize

<i>admin_port_encap</i>	(Optional) admin port encap
<i>admin_beacon_mode</i>	(Optional) admin beacon mode
<i>admin_fec_state</i>	(Optional) admin fec state
<i>oper_fec_state</i>	(Optional) oper fec state
<i>bundle_if_index</i>	(Optional) bundle if index
<i>trkd_if_index</i>	(Optional) Trunk interfaces
<i>trk_cfg_vsans</i>	(Optional) Trunk vsans
<i>trkd_port_state</i>	(Optional) trunk port state
<i>num_ports</i>	(Optional) number of ports
TABLE_trk_intf	(Optional) trunk interfaces
<i>trk_intf</i>	(Optional) track interface
<i>info_type_num</i>	(Optional) info type num
<i>info_model_num</i>	(Optional) info model num
<i>info_manufacturer</i>	(Optional) info manufacturer
<i>info_port_id</i>	(Optional) info port id
<i>active_vsan</i>	(Optional) allowed and active vsan
<i>trunk_vsan_up</i>	(Optional) trunk vsan up
<i>trunk_vsan_isolated</i>	(Optional) trunk vsan isolated
<i>trunk_vsan_initializing</i>	(Optional) trunk vsan initializing
<i>in_bps</i>	(Optional) input bits/sec
<i>in_byps</i>	(Optional) input bytes/sec
<i>in_fps</i>	(Optional) input frames/sec
<i>out_bps</i>	(Optional) output bits/sec
<i>out_byps</i>	(Optional) output bytes/sec
<i>out_fps</i>	(Optional) output frames/sec
<i>total_in_frames</i>	(Optional) total in frames
<i>total_in_bytes</i>	(Optional) total in bytes
<i>total_in_discards</i>	(Optional) total in discards
<i>total_in_errors</i>	(Optional) total in errors

<i>invalid_crc</i>	(Optional) invalid crc
<i>unknown_class_frames</i>	(Optional) unknown class frames
<i>frames_too_long</i>	(Optional) frames too long
<i>frames_too_short</i>	(Optional) frames too short
<i>total_out_frames</i>	(Optional) total out frames
<i>total_out_bytes</i>	(Optional) total out bytes
<i>total_out_discards</i>	(Optional) total out discards
<i>total_out_errors</i>	(Optional) total out errors
<i>in_ols</i>	(Optional) input OLS
<i>in_lrr</i>	(Optional) input LRR
<i>in_nos</i>	(Optional) input NOS
<i>in_loop_inits</i>	(Optional) input loop inits
<i>out_ols</i>	(Optional) output OLS
<i>out_lrr</i>	(Optional) output LRR
<i>out_nos</i>	(Optional) output NOS
<i>out_loop_inits</i>	(Optional) output loop inits
<i>rx_b2b_perf_buff</i>	(Optional) rx b2b performance buff
<i>rx_b2b_credit</i>	(Optional) rx b2b credit
<i>tx_b2b_credit</i>	(Optional) tx b2b credit
<i>tx_b2b_low_pri_cre</i>	(Optional) tx b2b low pri credit
<i>fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>fcoe_in_octets</i>	(Optional) fcoe in octets
<i>fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>fcoe_out_octets</i>	(Optional) fcoe out octets
TABLE_members	(Optional) table for port-channel member interface
<i>port_channel_member</i>	(Optional) port-channel member interface
<i>interface_last_changed</i>	(Optional) interface last changed
<i>time_last_cleared</i>	(Optional) counters last cleared
TABLE_interface_brief_fc	(Optional) show interface brief table

<i>interface_fc</i>	(Optional) Interface index
<i>ip_addr</i>	(Optional) IP address
<i>vsan_brief</i>	(Optional) vsan brief
<i>admin_mode</i>	(Optional) admin mode
<i>admin_trunk_mode</i>	(Optional) admin trunk mode
<i>status</i>	(Optional) status
<i>fcot_info</i>	(Optional) fcot info
<i>bind_info</i>	(Optional) bind interface
<i>bind_type</i>	(Optional) bind type
<i>bind_mac</i>	(Optional) bind mac address
<i>port_rate_mode</i>	(Optional) rate mode
<i>oper_speed</i>	(Optional) speed
<i>port_channel</i>	(Optional) port channel number
TABLE_interface_brief_san_pc	(Optional) show interface brief for san-po
<i>interface_san</i>	(Optional) san_po interface
<i>vsan_brief</i>	(Optional) vsan brief
<i>admin_trunk_mode</i>	(Optional) admin trunk mode
<i>status</i>	(Optional) status
<i>port_rate_mode</i>	(Optional) rate mode
<i>oper_speed</i>	(Optional) speed
<i>ip_addr</i>	(Optional) IP address

Command Mode

- /exec

show interface

```
show interface <ifid_brief1> [ brief ] [ __readonly__ ] [ { TABLE_interface_vfc [ <interface_vfc> ] [
<vsan_brief> ] [ <oper_port_state> ] [ <port_state> ] [ <bound_interface> ] [ <port_desc> ] [ <port_des> ] [
<mgmt_hw_desc1> ] [ <mgmt_hw_addr1> ] [ <port_name> ] [ <hardware> ] [ <sfp> ] [ <port_wnn> ] [
<peer_port_wnn> ] [ <admin_mode> ] [ <admin_trunk_mode> ] [ <snmp_trap> ] [ <status> ] [ <state_rsn1>
] [ <fcot_info> ] [ <bind_info> ] [ <bind_mac> ] [ <bind_type> ] [ <port_mode> ] [ <fcid> ] [ <cfg_port_vsan>
] [ <vsan> ] [ <port_rate_mode> ] [ <oper_speed> ] [ <admin_speed> ] [ <port_channel> ] [ <ip_addr1> ] [
<oper_txbbcredit> ] [ <oper_rxbbcredit> ] [ <port_bb_scn> ] [ <admin_rxbufsize> ] [ <admin_port_encap>
] [ <admin_beacon_mode> ] [ <admin_fec_state> ] [ <oper_fec_state> ] [ <bundle_if_index> ] [
<trkd_if_index> ] [ <trk_cfg_vsans> ] [ <trkd_port_state> ] [ <num_ports> ] [ TABLE_trk_intf [ <trk_intf>
] ] [ <info_type_num> ] [ <info_model_num> ] [ <info_manufacturer> ] [ <info_port_id> ] [ <active_vsan>
] [ <trunk_vsan_up> ] [ <trunk_vsan_isolated> ] [ <trunk_vsan_initializing> ] [ <in_bps> ] [ <in_byps> ] [
<in_fps> ] [ <out_bps> ] [ <out_byps> ] [ <out_fps> ] [ <total_in_frames> ] [ <total_in_bytes> ] [
<total_in_discards> ] [ <total_in_errors> ] [ <invalid_crc> ] [ <unknown_class_frames> ] [ <frames_too_long>
] [ <frames_too_short> ] [ <total_out_frames> ] [ <total_out_bytes> ] [ <total_out_discards> ] [
<total_out_errors> ] [ <in_ols> ] [ <in_lrr> ] [ <in_nos> ] [ <in_loop_inits> ] [ <out_ols> ] [ <out_lrr> ] [
<out_nos> ] [ <out_loop_inits> ] [ <rx_b2b_perf_buff> ] [ <rx_b2b_credit> ] [ <tx_b2b_credit> ] [
<tx_b2b_low_pri_cre> ] [ <fcoe_in_pkts> ] [ <fcoe_in_octets> ] [ <fcoe_out_pkts> ] [ <fcoe_out_octets> ]
] [ TABLE_members [ <port_channel_member> ] ] [ <interface_last_changed> ] [ <time_last_cleared> ] } ] [
{ TABLE_interface_brief_vfc [ <interface_vfc> ] [ <vsan_brief> ] [ <admin_mode> ] [ <admin_trunk_mode>
] [ <status> ] [ <fcot_info> ] [ <bind_info> ] [ <bind_type> ] [ <bind_mac> ] [ <port_rate_mode> ] [
<oper_speed> ] [ <port_channel> ] [ <ip_addr> ] } ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_brief1</i>	Enter interface type and number in module/slot format
brief	(Optional) Show brief info of interface
__readonly__	(Optional) Read Only
<i>interface_vfc</i>	(Optional) Interface index
TABLE_interface_vfc	(Optional) show interface
<i>vsan_brief</i>	(Optional) vsan for brief
<i>oper_port_state</i>	(Optional) oper port state
<i>port_state</i>	(Optional) port state
<i>bound_interface</i>	(Optional) bound interface
<i>port_desc</i>	(Optional) port description
<i>port_des</i>	(Optional) port description
<i>mgmt_hw_desc1</i>	(Optional) HW description

<i>mgmt_hw_addr1</i>	(Optional) HW address
<i>port_name</i>	(Optional) port description
<i>hardware</i>	(Optional) Hardware is
<i>sfp</i>	(Optional) sfp
<i>port_wwn</i>	(Optional) port wwn
<i>peer_port_wwn</i>	(Optional) peer port wwn
<i>admin_mode</i>	(Optional) admin mode
<i>admin_trunk_mode</i>	(Optional) admin trunk mode
<i>snmp_trap</i>	(Optional) snmp trap
<i>status</i>	(Optional) Status
<i>state_rsn1</i>	(Optional) state reason
<i>fcot_info</i>	(Optional) fcot info
<i>bind_info</i>	(Optional) bind interface
<i>bind_mac</i>	(Optional) bind mac
<i>bind_type</i>	(Optional) bind type
<i>port_mode</i>	(Optional) port mode
<i>fcid</i>	(Optional) fcid
<i>cfg_port_vsan</i>	(Optional) config port vsan
<i>vsan</i>	(Optional) vsan for brief
<i>port_rate_mode</i>	(Optional) operation port rate mode
<i>oper_speed</i>	(Optional) speed
<i>admin_speed</i>	(Optional) admin speed
<i>port_channel</i>	(Optional) port channel
<i>ip_addr1</i>	(Optional) Ip address
<i>oper_txbbcredit</i>	(Optional) oper tx bbcredit
<i>oper_rxbbcredit</i>	(Optional) oper rx bbcredit
<i>port_bb_scn</i>	(Optional) port bb scn
<i>admin_rxbufsize</i>	(Optional) admin rx bufsize
<i>admin_port_encap</i>	(Optional) admin port encap

<i>admin_beacon_mode</i>	(Optional) admin beacon mode
<i>admin_fec_state</i>	(Optional) admin fec state
<i>oper_fec_state</i>	(Optional) oper fec state
<i>bundle_if_index</i>	(Optional) bundle if index
<i>trkd_if_index</i>	(Optional) Trunk interfaces
<i>trk_cfg_vsans</i>	(Optional) Trunk vsans
<i>trkd_port_state</i>	(Optional) trunk port state
<i>num_ports</i>	(Optional) number of ports
TABLE_trk_intf	(Optional) trunk interfaces
<i>trk_intf</i>	(Optional) track interface
<i>info_type_num</i>	(Optional) info type num
<i>info_model_num</i>	(Optional) info model num
<i>info_manufacturer</i>	(Optional) info manufacturer
<i>info_port_id</i>	(Optional) info port id
<i>active_vsan</i>	(Optional) allowed and active vsan
<i>trunk_vsan_up</i>	(Optional) trunk vsan up
<i>trunk_vsan_isolated</i>	(Optional) trunk vsan isolated
<i>trunk_vsan_initializing</i>	(Optional) trunk vsan initializing
<i>in_bps</i>	(Optional) input bits/sec
<i>in_byps</i>	(Optional) input bytes/sec
<i>in_fps</i>	(Optional) input frames/sec
<i>out_bps</i>	(Optional) output bits/sec
<i>out_byps</i>	(Optional) output bytes/sec
<i>out_fps</i>	(Optional) output frames/sec
<i>total_in_frames</i>	(Optional) total in frames
<i>total_in_bytes</i>	(Optional) total in bytes
<i>total_in_discards</i>	(Optional) total in discards
<i>total_in_errors</i>	(Optional) total in errors
<i>invalid_crc</i>	(Optional) invalid crc

<i>unknown_class_frames</i>	(Optional) unknown class frames
<i>frames_too_long</i>	(Optional) frames too long
<i>frames_too_short</i>	(Optional) frames too short
<i>total_out_frames</i>	(Optional) total out frames
<i>total_out_bytes</i>	(Optional) total out bytes
<i>total_out_discards</i>	(Optional) total out discards
<i>total_out_errors</i>	(Optional) total out errors
<i>in_ols</i>	(Optional) input OLS
<i>in_lrr</i>	(Optional) input LRR
<i>in_nos</i>	(Optional) input NOS
<i>in_loop_inits</i>	(Optional) input loop inits
<i>out_ols</i>	(Optional) output OLS
<i>out_lrr</i>	(Optional) ouput LRR
<i>out_nos</i>	(Optional) output NOS
<i>out_loop_inits</i>	(Optional) output loop inits
<i>rx_b2b_perf_buff</i>	(Optional) rx b2b performance buff
<i>rx_b2b_credit</i>	(Optional) rx b2b credit
<i>tx_b2b_credit</i>	(Optional) tx b2b credit
<i>tx_b2b_low_pri_cre</i>	(Optional) tx b2b low pri credit
<i>fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>fcoe_in_octets</i>	(Optional) fcoe in octets
<i>fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>fcoe_out_octets</i>	(Optional) fcoe out octets
TABLE_members	(Optional) table for port-channel member interface
<i>port_channel_member</i>	(Optional) port-channel member interface
<i>interface_last_changed</i>	(Optional) interface last changed
<i>time_last_cleared</i>	(Optional) counters last cleared
TABLE_interface_brief_vfc	(Optional) show interface brief table
<i>interface_vfc</i>	(Optional) Interface index

<i>vsan_brief</i>	(Optional) vsan brief
<i>admin_mode</i>	(Optional) admin mode
<i>admin_trunk_mode</i>	(Optional) admin trunk mode
<i>status</i>	(Optional) status
<i>fcot_info</i>	(Optional) fcot info
<i>bind_info</i>	(Optional) bind interface
<i>bind_type</i>	(Optional) bind type
<i>bind_mac</i>	(Optional) bind mac address
<i>port_rate_mode</i>	(Optional) rate mode
<i>oper_speed</i>	(Optional) speed
<i>port_channel</i>	(Optional) port channel number
<i>ip_addr</i>	(Optional) IP address

Command Mode

- /exec

show interface

```

show interface <ifid> [ quick ] [ __readonly__ TABLE interface <interface> [ <desc> ] [ [ <svi_if_index> ]
[ <svi_admin_state> ] [ <oper_state> ] [ <svi_rsn_desc> ] [ <svi_line_proto> ] [ <svi_hw> ] [ <svi_mac> ] [
<svi_desc> ] [ <svi_ip_addr> ] [ <svi_ip_mask> ] [ <svi_mtu> ] [ <svi_bw> ] [ <svi_delay> ] [ <vlan_id> ]
[ <type> ] ] [ [ <svi_tx_load> ] [ <svi_rx_load> ] ] [ [ <svi_carrier_delay_sec> ] [ <svi_carrier_delay_msec>
] [ <svi_arp_type> ] [ <svi_arp_timeout> ] ] [ [ <svi_time_last_cleared> ] ] [ { [ TABLE_sec_vlan ] [
<sec_vlan> ] [ <sec_vlan_type> ] } ] [ [ <eth_load_interval1_rx> ] [ <eth_inrate1_bits> ] [ <eth_inrate1_pkts>
] [ <eth_load_interval1_tx> ] [ <eth_outrate1_bits> ] [ <eth_outrate1_pkts> ] [ <eth_inrate1_summary_bits>
] [ <eth_inrate1_summary_pkts> ] [ <eth_outrate1_summary_bits> ] [ <eth_outrate1_summary_pkts> ] [
<eth_load_interval2_rx> ] [ <eth_inrate2_bits> ] [ <eth_inrate2_pkts> ] [ <eth_load_interval2_tx> ] [
<eth_outrate2_bits> ] [ <eth_outrate2_pkts> ] [ <eth_inrate2_summary_bits> ] [ <eth_inrate2_summary_pkts>
] [ <eth_outrate2_summary_bits> ] [ <eth_outrate2_summary_pkts> ] [ <eth_load_interval3_rx> ] [
<eth_inrate3_bits> ] [ <eth_inrate3_pkts> ] [ <eth_load_interval3_tx> ] [ <eth_outrate3_bits> ] [
<eth_outrate3_pkts> ] [ <eth_inrate3_summary_bits> ] [ <eth_inrate3_summary_pkts> ] [
<eth_outrate3_summary_bits> ] [ <eth_outrate3_summary_pkts> ] [ <eth_l2_ucastpkts> ] [ <eth_l2_ucastbytes>
] [ <eth_l2_mcastpkts> ] [ <eth_l2_mcastbytes> ] [ <eth_l2_bcastpkts> ] [ <eth_l2_bcastbytes> ] [
<eth_l3in_ucastpkts> ] [ <eth_l3in_ucastbytes> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_mcastbytes> ] [
<eth_l3in_bcastpkts> ] [ <eth_l3in_bcastbytes> ] [ <eth_l3out_ucastpkts> ] [ <eth_l3out_ucastbytes> ] [
<eth_l3out_mcastpkts> ] [ <eth_l3out_mcastbytes> ] [ <eth_l3out_bcastpkts> ] [ <eth_l3out_bcastbytes> ] [
<eth_l3in_routed_pkts> ] [ <eth_l3in_routed_bytes> ] [ <eth_l3out_routed_pkts> ] [ <eth_l3out_routed_bytes>
] [ <eth_l3avg1_inbytes> ] [ <eth_l3avg1_inpkts> ] [ <eth_l3avg1_outbytes> ] [ <eth_l3avg1_outpkts> ] [
<eth_l3avg2_inbytes> ] [ <eth_l3avg2_inpkts> ] [ <eth_l3avg2_outbytes> ] [ <eth_l3avg2_outpkts> ] [
<eth_l3avg3_inbytes> ] [ <eth_l3avg3_inpkts> ] [ <eth_l3avg3_outbytes> ] [ <eth_l3avg3_outpkts> ] [
<eth_inpkts> ] [ <eth_inbytes> ] [ <eth_nobuf> ] [ <eth_inbcast> ] [ <eth_inmcast> ] [ <eth_inucast> ] [
<eth_ingiants> ] [ <eth_ipmcast> ] [ <eth_inhw_switched> ] [ <eth_insw_switched> ] [ <eth_runts> ] [
<eth_storm_supp> ] [ <eth_throtles> ] [ <eth_inerr> ] [ <eth_crc> ] [ <eth_ecc> ] [ <eth_frame> ] [
<eth_overrun> ] [ <eth_ignored> ] [ <eth_watchdog> ] [ <eth_outbcast> ] [ <eth_outmcast> ] [ <eth_outucast>
] [ <eth_outgiants> ] [ <eth_inpause> ] [ <eth_dribble> ] [ <eth_in_ifdown_drops> ] [ <eth_bad_eth> ] [
<eth_bad_proto> ] [ <eth_outpkts> ] [ <eth_outbytes> ] [ <eth_underrun> ] [ <eth_outhw_switched> ] [
<eth_outsw_switched> ] [ <eth_outerr> ] [ <eth_coll> ] [ <eth_resets> ] [ <eth_babbles> ] [ <eth_latecoll> ]
[ <eth_deferred> ] [ <eth_lostcarrier> ] [ <eth_nocarrier> ] [ <eth_outpause> ] [ <eth_buffail> ] [
<eth_bufswapped> ] [ <eth_arpdrops> ] [ <eth_out_ifdown_drops> ] [ <eth_single_coll> ] [ <eth_multi_coll>
] [ <eth_excess_coll> ] [ <eth_jabbers> ] [ <eth_shortframe> ] [ <eth_indiscard> ] [ <eth_bad_encap> ] [
<eth_outcrc> ] [ <eth_symbol> ] [ <eth_out_drops> ] [ <eth_sqetest> ] [ <eth_inb64> ] [ <eth_inb65_127>
] [ <eth_inb128_255> ] [ <eth_inb256_511> ] [ <eth_inb512_1023> ] [ <eth_inb1024_1518> ] [
<eth_inb1519_1548> ] [ <eth_inb1519_2500> ] [ <eth_intrunk> ] [ <eth_outb64> ] [ <eth_outb65_127> ] [
<eth_outb128_255> ] [ <eth_outb256_511> ] [ <eth_outb512_1023> ] [ <eth_outb1024_1518> ] [
<eth_outb1519_1548> ] [ <eth_outb1519_2500> ] [ <eth_outtrunk> ] [ <eth_bpdu_outlost> ] [
<eth_cos0_outlost> ] [ <eth_cos1_outlost> ] [ <eth_cos2_outlost> ] [ <eth_cos3_outlost> ] [ <eth_cos4_outlost>
] [ <eth_cos5_outlost> ] [ <eth_cos6_outlost> ] [ <eth_cos7_outlost> ] [ <eth_fcoe_in_pkts> ] [
<eth_fcoe_in_octets> ] [ <eth_fcoe_out_pkts> ] [ <eth_fcoe_out_octets> ] [ <eth_nfcoe_in_pkts> ] [
<eth_nfcoe_in_octets> ] [ <eth_nfcoe_out_pkts> ] [ <eth_nfcoe_out_octets> ] [ <eth_eee_atx_lpi_msec> ] [
<eth_eee_arcv_lpi_msec> ] [ <eth_eee_atx_lpi_transitions> ] [ <eth_eee_arcv_lpi_transitions> ] [
<eth_phy_ber_count> ] [ <eth_phy_errblks_count> ] [ <eth_tx_frm_error> ] [ <eth_rx_toolong> ] [
<eth_rx_undersize> ] [ <eth_rx_fragment> ] [ <eth_rx_crcerr_not_stomped> ] [ <eth_rx_crcerr_stomped> ]
[ <eth_rx_inrangeerr> ] ] [ [ <svi_routed_pkts_in> ] [ <svi_routed_bytes_in> ] [ <svi_routed_pkts_out> ] [
<svi_routed_bytes_out> ] [ <svi_ucast_pkts_in> ] [ <svi_ucast_bytes_in> ] [ <svi_mcast_pkts_in> ] [
<svi_mcast_bytes_in> ] [ <svi_ucast_pkts_out> ] [ <svi_ucast_bytes_out> ] [ <svi_mcast_pkts_out> ] [
<svi_mcast_bytes_out> ] [ <svi_ipv4_ucast_pkts_in> ] [ <svi_ipv4_ucast_bytes_in> ] [

```

```

<svi_ipv4_ucast_pkts_out> ][ <svi_ipv4_ucast_bytes_out> ][ <svi_ipv4_mcast_pkts_in> ][
<svi_ipv4_mcast_bytes_in> ][ <svi_ipv4_mcast_pkts_out> ][ <svi_ipv4_mcast_bytes_out> ][
<svi_ipv6_ucast_pkts_in> ][ <svi_ipv6_ucast_bytes_in> ][ <svi_ipv6_ucast_pkts_out> ][
<svi_ipv6_ucast_bytes_out> ][ <svi_ipv6_mcast_pkts_in> ][ <svi_ipv6_mcast_bytes_in> ][
<svi_ipv6_mcast_pkts_out> ][ <svi_ipv6_mcast_bytes_out> ][ <svi_average_input_bits> ][
<svi_average_input_packets> ][ <svi_average_output_bits> ][ <svi_average_output_packets> ][
<svi_rate_in_mins> ]][ [ <svi_reliability> ]][ <switchport> ] ]

```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid</i>	Enter interface type and number in module/slot format
quick	(Optional) Show info of interface skipping stats
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>desc</i>	(Optional) Interface description
<i>svi_if_index</i>	(Optional) Interface
<i>svi_admin_state</i>	(Optional)
<i>oper_state</i>	(Optional)
<i>svi_rsn_desc</i>	(Optional) Interface state reason detailed
<i>svi_line_proto</i>	(Optional)
<i>svi_hw</i>	(Optional) Hardware
<i>svi_mac</i>	(Optional) Address
<i>svi_desc</i>	(Optional) Interface Description
<i>svi_ip_addr</i>	(Optional) IP Address
<i>svi_ip_mask</i>	(Optional) IP address mask
<i>svi_mtu</i>	(Optional) MTU size in bytes
<i>svi_bw</i>	(Optional) Bandwidth in kilobits
<i>svi_delay</i>	(Optional) Throughput delay (tens of microseconds)
<i>vlan_id</i>	(Optional) Vlan
<i>type</i>	(Optional) type
<i>svi_tx_load</i>	(Optional) Tx Load

<i>svi_rx_load</i>	(Optional) Rx Load
<i>svi_carrier_delay_sec</i>	(Optional) carrier delay value in seconds
<i>svi_carrier_delay_msec</i>	(Optional) carrier delay value in milli-seconds
<i>svi_arp_type</i>	(Optional) ARP type
<i>svi_arp_timeout</i>	(Optional) ARP timeout value
<i>svi_time_last_cleared</i>	(Optional) Time last cleared
TABLE_sec_vlan	(Optional) secondary vlans
<i>sec_vlan</i>	(Optional) vlan id
<i>sec_vlan_type</i>	(Optional) secondary vlan type
<i>eth_load_interval1_rx</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate1_bits</i>	(Optional) interval 1 input rate bits/sec
<i>eth_inrate1_pkts</i>	(Optional) interval 1 input rate pkts/sec
<i>eth_load_interval1_tx</i>	(Optional) interval 1 timer value in sec
<i>eth_outrate1_bits</i>	(Optional) interval 1 output rate bits/sec
<i>eth_outrate1_pkts</i>	(Optional) interval 1 output rate pkts/sec
<i>eth_inrate1_summary_bits</i>	(Optional) interval 1 input rate bit summary
<i>eth_inrate1_summary_pkts</i>	(Optional) interval 1 input rate pkt summary
<i>eth_outrate1_summary_bits</i>	(Optional) interval 1 output rate bit summary
<i>eth_outrate1_summary_pkts</i>	(Optional) interval 1 output rate pkt summary
<i>eth_load_interval2_rx</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate2_bits</i>	(Optional) interval 2 input rate bits/sec
<i>eth_inrate2_pkts</i>	(Optional) interval 2 input rate pkts/sec
<i>eth_load_interval2_tx</i>	(Optional) interval 2 timer value in sec
<i>eth_outrate2_bits</i>	(Optional) interval 2 output rate bits/sec
<i>eth_outrate2_pkts</i>	(Optional) interval 2 output rate pkts/sec
<i>eth_inrate2_summary_bits</i>	(Optional) interval 2 input rate bit summary
<i>eth_inrate2_summary_pkts</i>	(Optional) interval 2 input rate pkt summary
<i>eth_outrate2_summary_bits</i>	(Optional) interval 2 output rate bit summary
<i>eth_outrate2_summary_pkts</i>	(Optional) interval 2 output rate pkt summary

<i>eth_load_interval3_rx</i>	(Optional) interval 3 timer value in sec
<i>eth_inrate3_bits</i>	(Optional) interval 3 input rate bits/sec
<i>eth_inrate3_pkts</i>	(Optional) interval 3 input rate pkts/sec
<i>eth_load_interval3_tx</i>	(Optional) interval 3 timer value in sec
<i>eth_outrate3_bits</i>	(Optional) interval 3 output rate bits/sec
<i>eth_outrate3_pkts</i>	(Optional) interval 3 output rate pkts/sec
<i>eth_inrate3_summary_bits</i>	(Optional) interval 3 input rate bit summary
<i>eth_inrate3_summary_pkts</i>	(Optional) interval 3 input rate pkt summary
<i>eth_outrate3_summary_bits</i>	(Optional) interval 3 output rate bit summary
<i>eth_outrate3_summary_pkts</i>	(Optional) interval 3 output rate pkt summary
<i>eth_l2_ucastpkts</i>	(Optional) L2 switched ucast pkts
<i>eth_l2_ucastbytes</i>	(Optional) L2 switched ucast bytes
<i>eth_l2_mcastpkts</i>	(Optional) L2 switched mcast pkts
<i>eth_l2_mcastbytes</i>	(Optional) L2 switched mcast bytes
<i>eth_l2_bcastpkts</i>	(Optional) L2 switched bcast pkts
<i>eth_l2_bcastbytes</i>	(Optional) L2 switched bcast bytes
<i>eth_l3in_ucastpkts</i>	(Optional) IPv4 L3 in switched ucast pkts
<i>eth_l3in_ucastbytes</i>	(Optional) IPv4 L3 in switched ucast bytes
<i>eth_l3in_mcastpkts</i>	(Optional) IPv4 L3 in switched mcast pkts
<i>eth_l3in_mcastbytes</i>	(Optional) IPv4 L3 in switched mcast bytes
<i>eth_l3in_bcastpkts</i>	(Optional) L3 in switched bcast pkts
<i>eth_l3in_bcastbytes</i>	(Optional) L3 in switched bcast bytes
<i>eth_l3out_ucastpkts</i>	(Optional) IPv4 L3 out switched ucast pkts
<i>eth_l3out_ucastbytes</i>	(Optional) IPv4 L3 out switched ucast bytes
<i>eth_l3out_mcastpkts</i>	(Optional) IPv4 L3 out switched mcast pkts
<i>eth_l3out_mcastbytes</i>	(Optional) IPv4 L3 out switched mcast bytes
<i>eth_l3out_bcastpkts</i>	(Optional) L3 out switched bcast pkts
<i>eth_l3out_bcastbytes</i>	(Optional) L3 out switched bcast bytes
<i>eth_l3in_routed_pkts</i>	(Optional) L3 in routed pkts

<i>eth_l3in_routed_bytes</i>	(Optional) L3 in routed bytes
<i>eth_l3out_routed_pkts</i>	(Optional) L3 out routed pkts
<i>eth_l3out_routed_bytes</i>	(Optional) L3 out routed bytes
<i>eth_l3avg1_inbytes</i>	(Optional) Load interval 1 L3 average in switched bytes
<i>eth_l3avg1_inpkts</i>	(Optional) Load interval 1 L3 average in switched pkts
<i>eth_l3avg1_outbytes</i>	(Optional) Load interval 1 L3 average out switched bytes
<i>eth_l3avg1_outpkts</i>	(Optional) Load interval 1 L3 average out switched pkts
<i>eth_l3avg2_inbytes</i>	(Optional) Load interval 2 L3 average in switched bytes
<i>eth_l3avg2_inpkts</i>	(Optional) Load interval 2 L3 average in switched pkts
<i>eth_l3avg2_outbytes</i>	(Optional) Load interval 2 L3 average out switched bytes
<i>eth_l3avg2_outpkts</i>	(Optional) Load interval 2 L3 average out switched pkts
<i>eth_l3avg3_inbytes</i>	(Optional) Load interval 3 L3 average in switched bytes
<i>eth_l3avg3_inpkts</i>	(Optional) Load interval 3 L3 average in switched pkts
<i>eth_l3avg3_outbytes</i>	(Optional) Load interval 3 L3 average out switched bytes
<i>eth_l3avg3_outpkts</i>	(Optional) Load interval 3 L3 average out switched pkts
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_nobuf</i>	(Optional) No buffer received
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_ingiants</i>	(Optional) giants
<i>eth_ipmcast</i>	(Optional) IP multicast
<i>eth_inhw_switched</i>	(Optional) Input H/W Switched
<i>eth_insw_switched</i>	(Optional) Input S/W Switched
<i>eth_runts</i>	(Optional) runts
<i>eth_storm_supp</i>	(Optional) storm suppression
<i>eth_throtles</i>	(Optional) throttles
<i>eth_inerr</i>	(Optional) input errors

<i>eth_crc</i>	(Optional) CRC
<i>eth_ecc</i>	(Optional) ECC
<i>eth_frame</i>	(Optional) frame
<i>eth_overrun</i>	(Optional) overrun
<i>eth_ignored</i>	(Optional) ignored
<i>eth_watchdog</i>	(Optional) watchdog
<i>eth_outbcast</i>	(Optional) Broadcasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outgiants</i>	(Optional) giants
<i>eth_inpause</i>	(Optional) pause input
<i>eth_dribble</i>	(Optional) input packets with dribble condition
<i>eth_in_ifdown_drops</i>	(Optional) Input if-down drops
<i>eth_bad_eth</i>	(Optional) bad ether type drop
<i>eth_bad_proto</i>	(Optional) bad protocol drops
<i>eth_outpkts</i>	(Optional) packets output
<i>eth_outbytes</i>	(Optional) bytes output
<i>eth_underrun</i>	(Optional) underruns
<i>eth_outhw_switched</i>	(Optional) Out H/W Switched
<i>eth_outsw_switched</i>	(Optional) Out S/W Switched
<i>eth_outerr</i>	(Optional) output errors
<i>eth_coll</i>	(Optional) collisions
<i>eth_resets</i>	(Optional) interface resets
<i>eth_babbles</i>	(Optional) babbles
<i>eth_latecoll</i>	(Optional) late collision
<i>eth_deferred</i>	(Optional) deferred
<i>eth_lostcarrier</i>	(Optional) lost carrier
<i>eth_nocarrier</i>	(Optional) no carrier
<i>eth_outpause</i>	(Optional) PAUSE output

<i>eth_buffail</i>	(Optional) output buffer failures
<i>eth_bufswapped</i>	(Optional) output buffers swapped out
<i>eth_arpdrops</i>	(Optional) arp drops
<i>eth_out_ifdown_drops</i>	(Optional) Output if-down drops
<i>eth_single_coll</i>	(Optional) single collisions
<i>eth_multi_coll</i>	(Optional) multi collisions
<i>eth_excess_coll</i>	(Optional) excessive collisions
<i>eth_jabbers</i>	(Optional) jabbers
<i>eth_shortframe</i>	(Optional) short frames
<i>eth_indiscard</i>	(Optional) discards
<i>eth_bad_encap</i>	(Optional) bad encapsulation
<i>eth_outcrc</i>	(Optional) Output CRC
<i>eth_symbol</i>	(Optional) symbol errors
<i>eth_out_drops</i>	(Optional) output drops
<i>eth_sqetest</i>	(Optional) SQE test
<i>eth_inb64</i>	(Optional) input pkts between 0 and 64 bytes
<i>eth_inb65_127</i>	(Optional) input pkts between 65 and 127 bytes
<i>eth_inb128_255</i>	(Optional) input pkts between 128 and 255 bytes
<i>eth_inb256_511</i>	(Optional) input pkts between 256 and 511 bytes
<i>eth_inb512_1023</i>	(Optional) input pkts between 512 and 1023 bytes
<i>eth_inb1024_1518</i>	(Optional) input pkts between 1024 and 1518 bytes
<i>eth_inb1519_1548</i>	(Optional) input pkts between 1519 and 1548 bytes
<i>eth_inb1519_2500</i>	(Optional) input pkts between 1519 and 2500 bytes
<i>eth_intrunk</i>	(Optional) input trunk pkts
<i>eth_outb64</i>	(Optional) output pkts between 0 and 64 bytes
<i>eth_outb65_127</i>	(Optional) output pkts between 65 and 127 bytes
<i>eth_outb128_255</i>	(Optional) output pkts between 128 and 255 bytes
<i>eth_outb256_511</i>	(Optional) output pkts between 256 and 511 bytes
<i>eth_outb512_1023</i>	(Optional) output pkts between 512 and 1023 bytes

<i>eth_outb1024_1518</i>	(Optional) output pkts between 1024 and 1518 bytes
<i>eth_outb1519_1548</i>	(Optional) output pkts between 1519 and 1548 bytes
<i>eth_outb1519_2500</i>	(Optional) output pkts between 1519 and 2500 bytes
<i>eth_outtrunk</i>	(Optional) output trunk pkts
<i>eth_bpdu_outlost</i>	(Optional) BPDU output lost
<i>eth_cos0_outlost</i>	(Optional) output pkts
<i>eth_cos1_outlost</i>	(Optional) output pkts
<i>eth_cos2_outlost</i>	(Optional) output pkts
<i>eth_cos3_outlost</i>	(Optional) output pkts
<i>eth_cos4_outlost</i>	(Optional) output pkts
<i>eth_cos5_outlost</i>	(Optional) output pkts
<i>eth_cos6_outlost</i>	(Optional) output pkts
<i>eth_cos7_outlost</i>	(Optional) output pkts
<i>eth_fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>eth_fcoe_in_octets</i>	(Optional) fcoe in octets
<i>eth_fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>eth_fcoe_out_octets</i>	(Optional) fcoe out octets
<i>eth_nfcoe_in_pkts</i>	(Optional) nfcoe in pkts
<i>eth_nfcoe_in_octets</i>	(Optional) nfcoe in octets
<i>eth_nfcoe_out_pkts</i>	(Optional) nfcoe out pkts
<i>eth_nfcoe_out_octets</i>	(Optional) nfcoe out octets
<i>eth_eee_atx_lpi_msec</i>	(Optional) Tx Lpi usec
<i>eth_eee_arcv_lpi_msec</i>	(Optional) Rx Lpi usec
<i>eth_eee_atx_lpi_transitions</i>	(Optional) Tx Lpi requests
<i>eth_eee_arcv_lpi_transitions</i>	(Optional) Rx Lpi indications
<i>eth_phy_ber_count</i>	(Optional) Bit error rate counter
<i>eth_phy_errblks_count</i>	(Optional) Errored blocks counter
<i>eth_tx_frm_error</i>	(Optional) tx frame error
<i>eth_rx_toolong</i>	(Optional) rx toolong error

<i>eth_rx_undersize</i>	(Optional) rx undersize
<i>eth_rx_fragment</i>	(Optional) rx fragment
<i>eth_rx_crcerr_not_stomped</i>	(Optional) rx crcerr not stomped
<i>eth_rx_crcerr_stomped</i>	(Optional) rx crcerr stomped
<i>eth_rx_inrangeerr</i>	(Optional) rx inrange error
<i>svi_reliability</i>	(Optional) Reliability
<i>switchport</i>	(Optional) Switchport enabled

Command Mode

- /exec

show interface

```
show interface <ifmgmt> [ __readonly__ TABLE interface <interface> <state> [ <state_rsn_desc> ] [
<state_rsn> ] [ <eth_rsn_fac> ] [ <eth_rsn_code> ] [ <admin_state> ] [ <share_state> ] [ <eth_bundle> ] [
<eth_dce_mode> ] [ <vpc_status> ] [ <eth_hw_desc> ] [ <eth_hw_addr> ] [ <eth_bia_addr> ] [ <desc> ] [
<eth_ip_addr> ] [ <eth_ip_mask> ] [ <eth_ip_prefix> ] [ <eth_mtu> ] [ <eth_bw> ] [ <eth_encap_vlan> ] [
<eth_dly> ] [ <eth_reliability> ] [ <eth_txload> ] [ <eth_rxload> ] [ <encapsulation> ] [ <medium> ] [
<eth_loopback> ] [ <eth_keepalive> ] [ <eth_duplex> ] [ <eth_speed> ] [ <eth_mode> ] [ <eth_ratemode> ] [
<eth_autoneg> ] [ <eth_beacon> ] [ <eth_media> ] [ <eth_in_flowctrl> ] [ <eth_out_flowctrl> ] [ <eth_mdix> ] [
<eth_sw_t_monitor> ] [ <eth_ethertype> ] [ <eth_members> ] [ <eth_clk_mode> ] [ <eth_arp_type> ] [
<eth_arp_timeout> ] [ <eth_last_in> ] [ <eth_last_out> ] [ <eth_out_hang> ] [ <eth_clear_counters> ] [
<eth_link_flapped> ] [ <eth_inq_size> ] [ <eth_inq_max> ] [ <eth_inq_drops> ] [ <eth_inq_flush> ] [
<eth_out_drop> ] [ <eth_q_strategy> ] [ <eth_outq_size> ] [ <eth_outq_max> ] [ <eth_reset_cntr> ] [
<mgmt_hw_desc> ] [ <mgmt_hw_addr> ] [ <mgmt_ip_addr> ] [ <mgmt_ip_mask> ] [ <mgmt_mtu> ] [
<mgmt_speed> ] [ <mgmt_duplex> ] [ <vdc_lvl_in_avg_bits> ] [ <vdc_lvl_in_avg_pkts> ] [
<vdc_lvl_out_avg_bits> ] [ <vdc_lvl_out_avg_pkts> ] [ <vdc_lvl_in_pkts> ] [ <vdc_lvl_in_ucast> ] [
<vdc_lvl_in_mcast> ] [ <vdc_lvl_in_bcast> ] [ <vdc_lvl_in_bytes> ] [ <vdc_lvl_in_bps> ] [ <vdc_lvl_in_pps> ] [
<vdc_lvl_out_pkts> ] [ <vdc_lvl_out_ucast> ] [ <vdc_lvl_out_mcast> ] [ <vdc_lvl_out_bcast> ] [
<vdc_lvl_out_bytes> ] [ <vdc_lvl_out_bps> ] [ <vdc_lvl_out_pps> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt</i>	Enter interface type and number in module/slot format
<u>__readonly__</u>	(Optional) Read Only
<u>TABLE</u> <u>interface</u>	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>state</i>	(Optional) Interface state
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>state_rsn</i>	(Optional) Interface state reason
<i>eth_rsn_fac</i>	(Optional) State reason facility
<i>eth_rsn_code</i>	(Optional) State reason code
<i>admin_state</i>	(Optional) Interface admin state
<i>share_state</i>	(Optional) Interface ownership
<i>eth_bundle</i>	(Optional) Belongs to bundle
<i>eth_dce_mode</i>	(Optional) DCE mode description
<i>vpc_status</i>	(Optional) VPC status

<i>eth_hw_desc</i>	(Optional) HW description
<i>eth_hw_addr</i>	(Optional) HW address
<i>eth_bia_addr</i>	(Optional) bia address
<i>desc</i>	(Optional) Interface description
<i>eth_ip_addr</i>	(Optional) IP Address
<i>eth_ip_mask</i>	(Optional) IP address mask
<i>eth_ip_prefix</i>	(Optional) IP address prefix
<i>eth_mtu</i>	(Optional) MTU
<i>eth_bw</i>	(Optional) Bandwidth
<i>eth_encap_vlan</i>	(Optional) Encapsulation Vlan
<i>eth_dly</i>	(Optional) Delay
<i>eth_reliability</i>	(Optional) Reliability
<i>eth_txload</i>	(Optional) Tx load
<i>eth_rxload</i>	(Optional) Rx load
<i>encapsulation</i>	(Optional) Encapsulation
<i>medium</i>	(Optional) medium type
<i>eth_loopback</i>	(Optional) Loopback
<i>eth_keepalive</i>	(Optional) Keepalive
<i>eth_duplex</i>	(Optional) Duplex
<i>eth_speed</i>	(Optional) Speed
<i>eth_mode</i>	(Optional) Port mode
<i>eth_ratemode</i>	(Optional) Rate mode
<i>eth_autoneg</i>	(Optional) Autonegotiation
<i>eth_beacon</i>	(Optional) Beacon
<i>eth_media</i>	(Optional) Media type
<i>eth_in_flowctrl</i>	(Optional) Input flowcontrol
<i>eth_out_flowctrl</i>	(Optional) Output flowcontrol
<i>eth_mdix</i>	(Optional) Mdx
<i>eth_sw_t_monitor</i>	(Optional) Switchport Monitor

<i>eth_etherType</i>	(Optional) EtherType
<i>eth_members</i>	(Optional) Members in this channel
<i>eth_clk_mode</i>	(Optional) Clock mode
<i>eth_arp_type</i>	(Optional) ARP type
<i>eth_arp_timeout</i>	(Optional) ARP timeout
<i>eth_last_in</i>	(Optional) Last input
<i>eth_last_out</i>	(Optional) Last output
<i>eth_out_hang</i>	(Optional) Last output hang
<i>eth_clear_counters</i>	(Optional) Last clearing of show interface counters
<i>eth_link_flapped</i>	(Optional) Last link flapped
<i>eth_inq_size</i>	(Optional) Input queue size
<i>eth_inq_max</i>	(Optional) Input queue max
<i>eth_inq_drops</i>	(Optional) Input queue drops
<i>eth_inq_flush</i>	(Optional) Input queue flushes
<i>eth_out_drop</i>	(Optional) Output drops
<i>eth_q_strategy</i>	(Optional) Queuing strategy
<i>eth_outq_size</i>	(Optional) Output queue size
<i>eth_outq_max</i>	(Optional) Output queue max
<i>eth_reset_cntr</i>	(Optional) Interface resets
<i>mgmt_hw_desc</i>	(Optional) HW description
<i>mgmt_hw_addr</i>	(Optional) HW address
<i>mgmt_ip_addr</i>	(Optional) IP address
<i>mgmt_ip_mask</i>	(Optional) IP address mask
<i>mgmt_mtu</i>	(Optional) MTU
<i>mgmt_speed</i>	(Optional) Speed
<i>mgmt_duplex</i>	(Optional) Duplex
<i>vdc_lvl_in_avg_bits</i>	(Optional) VDC level average input bits
<i>vdc_lvl_in_avg_pkts</i>	(Optional) VDC level average input packets
<i>vdc_lvl_out_avg_bits</i>	(Optional) VDC level average output bits

<i>vdc_lvl_out_avg_pkts</i>	(Optional) VDC level average output packets
<i>vdc_lvl_in_pkts</i>	(Optional) VDC level input packets
<i>vdc_lvl_in_ucast</i>	(Optional) VDC level input unicast packets
<i>vdc_lvl_in_mcast</i>	(Optional) VDC level input multicast packets
<i>vdc_lvl_in_bcast</i>	(Optional) VDC level input broadcast packets
<i>vdc_lvl_in_bytes</i>	(Optional) VDC level input bytes
<i>vdc_lvl_in_bps</i>	(Optional) VDC level input bytes per second
<i>vdc_lvl_in_pps</i>	(Optional) VDC level input packets per second
<i>vdc_lvl_out_pkts</i>	(Optional) VDC level output packets
<i>vdc_lvl_out_ucast</i>	(Optional) VDC level output unicast packets
<i>vdc_lvl_out_mcast</i>	(Optional) VDC level output multicast packets
<i>vdc_lvl_out_bcast</i>	(Optional) VDC level output broadcast packets
<i>vdc_lvl_out_bytes</i>	(Optional) VDC level output bytes
<i>vdc_lvl_out_bps</i>	(Optional) VDC level output bytes per second
<i>vdc_lvl_out_pps</i>	(Optional) VDC level output packets per second

Command Mode

- /exec

show interface

```

show interface [ controller | quick ] [ __readonly__ TABLE_interface <interface> [ <state> ] [ <state_rsn> ]
[ <state_rsn_desc> ] [ <vsan_brief> ] [ <oper_port_state> ] [ <port_state> ] [ <bound_interface> ] [
<port_desc> ] [ <port_des> ] [ <mgmt_hw_desc1> ] [ <mgmt_hw_addr1> ] [ <port_name> ] [ <hardware>
] [ <sfp> ] [ <port_wwn> ] [ <peer_port_wwn> ] [ <admin_mode> ] [ <admin_trunk_mode> ] [ <snmp_trap>
] [ <status> ] [ <state_rsn1> ] [ <fcot_info> ] [ <bind_info> ] [ <bind_mac> ] [ <bind_type> ] [ <port_mode>
] [ <fcid> ] [ <cfg_port_vsan> ] [ <vsan> ] [ <port_rate_mode> ] [ <oper_speed> ] [ <admin_speed> ] [
<port_channel> ] [ <ip_addr1> ] [ <oper_txbbcredit> ] [ <oper_rxbbcredit> ] [ <port_bb_scn> ] [
<admin_rxbufsize> ] [ <admin_port_encap> ] [ <admin_beacon_mode> ] [ <admin_fec_state> ] [
<oper_fec_state> ] [ <bundle_if_index> ] [ <trkd_if_index> ] [ <trk_cfg_vsans> ] [ <trkd_port_state> ] [
<num_ports> ] [ TABLE_trk_intf [ <trk_intf> ] ] [ <info_type_num> ] [ <info_model_num> ] [
<info_manufacturer> ] [ <info_port_id> ] [ <active_vsan> ] [ <trunk_vsan_up> ] [ <trunk_vsan_isolated> ]
[ <trunk_vsan_initializing> ] [ <in_bps> ] [ <in_byps> ] [ <in_fps> ] [ <out_bps> ] [ <out_byps> ] [ <out_fps>
] [ <total_in_frames> ] [ <total_in_bytes> ] [ <total_in_discards> ] [ <total_in_errors> ] [ <invalid_crc> ] [
<unknown_class_frames> ] [ <frames_too_long> ] [ <frames_too_short> ] [ <total_out_frames> ] [
<total_out_bytes> ] [ <total_out_discards> ] [ <total_out_errors> ] [ <in_ols> ] [ <in_lrr> ] [ <in_nos> ] [
<in_loop_inits> ] [ <out_ols> ] [ <out_lrr> ] [ <out_nos> ] [ <out_loop_inits> ] [ <rx_b2b_perf_buff> ] [
<rx_b2b_credit> ] [ <tx_b2b_credit> ] [ <tx_b2b_low_pri_cre> ] [ <fcoe_in_pkts> ] [ <fcoe_in_octets> ] [
<fcoe_out_pkts> ] [ <fcoe_out_octets> ] [ TABLE_members [ <port_channel_member> ] ] [
<interface_last_changed> ] [ <time_last_cleared> ] [ <interface_quick> ] [ <vsan_brief_quick> ] [
<oper_port_state_quick> ] [ <port_state_quick> ] [ <bound_interface_quick> ] [ <port_desc_quick> ] [
<port_des_quick> ] [ <mgmt_hw_desc1_quick> ] [ <mgmt_hw_addr1_quick> ] [ <port_name_quick> ] [
<hardware_quick> ] [ <sfp_quick> ] [ <port_wwn_quick> ] [ <peer_port_wwn_quick> ] [
<admin_mode_quick> ] [ <admin_trunk_mode_quick> ] [ <snmp_trap_quick> ] [ <status_quick> ] [
<state_rsn1_quick> ] [ <fcot_info_quick> ] [ <bind_info_quick> ] [ <bind_mac_quick> ] [ <bind_type_quick>
] [ <port_mode_quick> ] [ <fcid_quick> ] [ <cfg_port_vsan_quick> ] [ <vsan_quick> ] [
<port_rate_mode_quick> ] [ <oper_speed_quick> ] [ <admin_speed_quick> ] [ <port_channel_quick> ] [
<ip_addr1_quick> ] [ <oper_txbbcredit_quick> ] [ <oper_rxbbcredit_quick> ] [ <port_bb_scn_quick> ] [
<admin_rxbufsize_quick> ] [ <admin_port_encap_quick> ] [ <admin_beacon_mode_quick> ] [
<admin_fec_state_quick> ] [ <oper_fec_state_quick> ] [ <bundle_if_index_quick> ] [ <trkd_if_index_quick>
] [ <trk_cfg_vsans_quick> ] [ <trkd_port_state_quick> ] [ <num_ports_quick> ] [ TABLE_trk_intf_quick [
<trk_intf_quick> ] ] [ <info_type_num_quick> ] [ <info_model_num_quick> ] [ <info_manufacturer_quick>
] [ <info_port_id_quick> ] [ <active_vsan_quick> ] [ <trunk_vsan_up_quick> ] [ <trunk_vsan_isolated_quick>
] [ <trunk_vsan_initializing_quick> ] [ <in_bps_quick> ] [ <in_byps_quick> ] [ <in_fps_quick> ] [
<out_bps_quick> ] [ <out_byps_quick> ] [ <out_fps_quick> ] [ <total_in_frames_quick> ] [
<total_in_bytes_quick> ] [ <total_in_discards_quick> ] [ <total_in_errors_quick> ] [ <invalid_crc_quick> ]
[ <unknown_class_frames_quick> ] [ <frames_too_long_quick> ] [ <frames_too_short_quick> ] [
<total_out_frames_quick> ] [ <total_out_bytes_quick> ] [ <total_out_discards_quick> ] [
<total_out_errors_quick> ] [ <in_ols_quick> ] [ <in_lrr_quick> ] [ <in_nos_quick> ] [ <in_loop_inits_quick>
] [ <out_ols_quick> ] [ <out_lrr_quick> ] [ <out_nos_quick> ] [ <out_loop_inits_quick> ] [
<rx_b2b_perf_buff_quick> ] [ <rx_b2b_credit_quick> ] [ <tx_b2b_credit_quick> ] [
<tx_b2b_low_pri_cre_quick> ] [ <fcoe_in_pkts_quick> ] [ <fcoe_in_octets_quick> ] [ <fcoe_out_pkts_quick>
] [ <fcoe_out_octets_quick> ] [ TABLE_members_quick [ <port_channel_member_quick> ] ] [
<interface_last_changed_quick> ] [ <time_last_cleared_quick> ] [ <eth_rsn_fac> ] [ <eth_rsn_code> ] [
<admin_state> ] [ <share_state> ] [ <parent_interface> ] [ <vpc_status> ] [ <eth_bundle> ] [ <eth_hw_desc>
] [ <eth_hw_addr> ] [ <eth_bia_addr> ] [ <desc> ] [ <eth_ip_addr> ] [ <eth_ip_mask> ] [ <eth_ip_prefix> ]
[ <eth_mtu> ] + [ <eth_bw> ] [ <eth_bw_str> ] [ <eth_dly> ] [ <eth_reliability> ] [ <eth_txload> ] [
<eth_rxload> ] [ <eth_encap_vlan> ] [ <encapsulation> ] [ <medium> ] [ <eth_mode> ] [ <eth_duplex> ] [
<eth_speed> ] [ <eth_media> ] [ <eth_beacon> ] [ <eth_autoneg> ] [ <eth_in_flowctrl> ] [ <eth_out_flowctrl>

```

```

]] [<eth_mdix>]] [<eth_ratemode>]] [<eth_sw_t_monitor>]] [<eth_ethertype>]] [<eth_eee_state>]]
<eth_admin_fec_state>]] [<eth_oper_fec_state>]] [<eth_members>]] [<eth_link_flapped>]]
<eth_clear_counters>]] [<eth_reset_cntr>]] [[ [<eth_load_interval1_rx>]] [<eth_inrate1_bits>]]
<eth_inrate1_pkts>]] [<eth_load_interval1_tx>]] [<eth_outrate1_bits>]] [<eth_outrate1_pkts>]]
<eth_inrate1_summary_bits>]] [<eth_inrate1_summary_pkts>]] [<eth_outrate1_summary_bits>]]
<eth_outrate1_summary_pkts>]] [<eth_load_interval2_rx>]] [<eth_inrate2_bits>]] [<eth_inrate2_pkts>]]
<eth_load_interval2_tx>]] [<eth_outrate2_bits>]] [<eth_outrate2_pkts>]] [<eth_inrate2_summary_bits>]]
<eth_inrate2_summary_pkts>]] [<eth_outrate2_summary_bits>]] [<eth_outrate2_summary_pkts>]]
<eth_load_interval3_rx>]] [<eth_inrate3_bits>]] [<eth_inrate3_pkts>]] [<eth_load_interval3_tx>]]
<eth_outrate3_bits>]] [<eth_outrate3_pkts>]] [<eth_inrate3_summary_bits>]] [<eth_inrate3_summary_pkts>]]
]] [<eth_outrate3_summary_bits>]] [<eth_outrate3_summary_pkts>]] [[ [<eth_l2_ucastpkts>]]
<eth_l2_ucastbytes>]] [<eth_l2_mcastpkts>]] [<eth_l2_mcastbytes>]] [<eth_l2_bcastpkts>]]
<eth_l2_bcastbytes>]] [<eth_l3in_routed_pkts>]] [<eth_l3in_routed_bytes>]] [<eth_l3out_routed_pkts>]]
<eth_l3out_routed_bytes>]] [<eth_l3in_ucastpkts>]] [<eth_l3in_ucastbytes>]] [<eth_l3in_mcastpkts>]]
<eth_l3in_mcastbytes>]] [<eth_l3in_bcastpkts>]] [<eth_l3in_bcastbytes>]] [<eth_l3out_ucastpkts>]]
<eth_l3out_ucastbytes>]] [<eth_l3out_mcastpkts>]] [<eth_l3out_mcastbytes>]] [<eth_l3out_bcastpkts>]]
<eth_l3out_bcastbytes>]] [<eth_l3avg1_inbytes>]] [<eth_l3avg1_inpkts>]] [<eth_l3avg1_outbytes>]]
<eth_l3avg1_outpkts>]] [[ [<eth_inucast>]] [<eth_inmcast>]] [<eth_inbcast>]] [<eth_inpkts>]]
<eth_inbytes>]] [<eth_jumbo_inpkts>]] [<eth_storm_supp>]] [<eth_runts>]] [<eth_giants>]] [<eth_crc>]]
]] [<eth_nobuf>]] [<eth_inerr>]] [<eth_frame>]] [<eth_outrun>]] [<eth_underrun>]] [<eth_ignored>]]
<eth_watchdog>]] [<eth_bad_eth>]] [<eth_bad_proto>]] [<eth_in_ifdown_drops>]] [<eth_dribble>]]
<eth_indiscard>]] [<eth_inpause>]] [<eth_stomped_crc>]] [[ [<eth_outucast>]] [<eth_outmcast>]]
<eth_outbcast>]] [<eth_outpkts>]] [<eth_outbytes>]] [<eth_jumbo_outpkts>]] [<eth_outerr>]] [<eth_coll>]]
]] [<eth_deferred>]] [<eth_latecoll>]] [<eth_lostcarrier>]] [<eth_nocarrier>]] [<eth_babbles>]]
<eth_outdiscard>]] [<eth_outpause>]] [[ [<mgmt_hw_desc>]] [<mgmt_hw_addr>]] [<mgmt_ip_addr>]]
<mgmt_ip_mask>]] [<mgmt_mtu>]] [<mgmt_speed>]] [<mgmt_duplex>]] [[ [<vdc_lvl_in_avg_bits>]]
<vdc_lvl_in_avg_pkts>]] [<vdc_lvl_out_avg_bits>]] [<vdc_lvl_out_avg_pkts>]] [<vdc_lvl_in_pkts>]]
<vdc_lvl_in_ucast>]] [<vdc_lvl_in_mcast>]] [<vdc_lvl_in_bcast>]] [<vdc_lvl_in_bytes>]] [<vdc_lvl_in_bps>]]
]] [<vdc_lvl_in_pps>]] [<vdc_lvl_out_pkts>]] [<vdc_lvl_out_ucast>]] [<vdc_lvl_out_mcast>]]
<vdc_lvl_out_bcast>]] [<vdc_lvl_out_bytes>]] [<vdc_lvl_out_bps>]] [<vdc_lvl_out_pps>]] [[
<mgmt_in_pkts>]] [<mgmt_in_bytes>]] [<mgmt_in_mcast>]] [<mgmt_in_compressed>]] [<mgmt_in_errors>]]
]] [<mgmt_in_frame>]] [<mgmt_in_outrun>]] [<mgmt_in_fifo>]] [<mgmt_out_pkts>]] [<mgmt_out_bytes>]]
]] [<mgmt_out_underruns>]] [<mgmt_out_errors>]] [<mgmt_out_collisions>]] [<mgmt_out_fifo>]]
<mgmt_out_carrier>]] [<mgmt_align_err>]] [<mgmt_fcs_err>]] [<mgmt_xmit_err>]] [<mgmt_rcv_err>]]
]] [<mgmt_undersize>]] [<mgmt_outdisc>]] [<mgmt_single_col>]] [<mgmt_multi_col>]] [<mgmt_late_col>]]
]] [<mgmt_excess_col>]] [<mgmt_carri_sen>]] [<mgmt_runts>]] [<mgmt_giants>]] [<mgmt_sqetest_err>]]
]] [<mgmt_deferred_tx>]] [<mgmt_inmactx_err>]] [<mgmt_inmacrx_err>]] [<mgmt_symbol_err>]] [[
<loop_in_pkts>]] [<loop_in_bytes>]] [<loop_in_mcast>]] [<loop_in_compressed>]] [<loop_in_errors>]]
]] [<loop_in_frame>]] [<loop_in_outrun>]] [<loop_in_fifo>]] [<loop_out_pkts>]] [<loop_out_bytes>]]
]] [<loop_out_underruns>]] [<loop_out_errors>]] [<loop_out_collisions>]] [<loop_out_fifo>]]
<loop_out_carriers>]] [[ [<svi_if_index>]] [<svi_admin_state>]] [<oper_state>]] [<svi_rsn_desc>]]
]] [<svi_line_proto>]] [<svi_hw>]] [<svi_mac>]] [<svi_desc>]] [<svi_ip_addr>]] [<svi_ip_mask>]] [<svi_mtu>]]
]] [<svi_bw>]] [<svi_delay>]] [<vlan_id>]] [<type>]] [[ [<svi_tx_load>]] [<svi_rx_load>]] [[
<svi_carrier_delay_sec>]] [<svi_carrier_delay_msec>]] [<svi_arp_type>]] [<svi_arp_timeout>]] [[
<svi_time_last_cleared>]] [[ { [TABLE_sec_vlan] [<sec_vlan>]] [<sec_vlan_type>] } ] [[
<svi_routed_pkts_in>]] [<svi_routed_bytes_in>]] [<svi_routed_pkts_out>]] [<svi_routed_bytes_out>]]
]] [<svi_ucast_pkts_in>]] [<svi_ucast_bytes_in>]] [<svi_mcast_pkts_in>]] [<svi_mcast_bytes_in>]]
]] [<svi_ucast_pkts_out>]] [<svi_ucast_bytes_out>]] [<svi_mcast_pkts_out>]] [<svi_mcast_bytes_out>]]
]] [<svi_ipv4_ucast_pkts_in>]] [<svi_ipv4_ucast_bytes_in>]] [<svi_ipv4_ucast_pkts_out>]]
]] [<svi_ipv4_ucast_bytes_out>]] [<svi_ipv4_mcast_pkts_in>]] [<svi_ipv4_mcast_bytes_in>]]
]] [<svi_ipv4_mcast_pkts_out>]] [<svi_ipv4_mcast_bytes_out>]] [<svi_ipv6_ucast_pkts_in>]]
]]

```

```

<svi_ipv6_ucast_bytes_in> ][ <svi_ipv6_ucast_pkts_out> ][ <svi_ipv6_ucast_bytes_out> ][
<svi_ipv6_mcast_pkts_in> ][ <svi_ipv6_mcast_bytes_in> ][ <svi_ipv6_mcast_pkts_out> ][
<svi_ipv6_mcast_bytes_out> ][ <svi_average_input_bits> ][ <svi_average_input_packets> ][
<svi_average_output_bits> ][ <svi_average_output_packets> ][ <svi_rate_in_mins> ]][ <svi_reliability>
] ][ <overlay_addr> ][ <overlay_addr_mask> ][ <overlay_mtu> ][ <overlay_bandwidth> ][
<overlay_encap_str> ][ <overlay_vrf> ][ <overlay_src_addr> ][ <overlay_dst_addr> ][
<overlay_last_link_flap> ][ <overlay_clear_counters> ]][ <overlay_load_interval> ][
<overlay_rx_ucastpkts> ][ <overlay_rx_ucastbytes> ][ <overlay_rx_mcastpkts> ][ <overlay_rx_mcastbytes>
][ <overlay_rx_pkts> ][ <overlay_rx_bytes> ][ <overlay_rx_bcastpkts> ][ <overlay_rx_bcastbytes> ][
<overlay_rx_bitrate> ][ <overlay_rx_pktrate> ][ <overlay_tx_ucastpkts> ][ <overlay_tx_ucastbytes> ][
<overlay_tx_mcastpkts> ][ <overlay_tx_mcastbytes> ][ <overlay_tx_bcastpkts> ][ <overlay_tx_bcastbytes>
][ <overlay_tx_pkts> ][ <overlay_tx_bytes> ][ <overlay_tx_bitrate> ][ <overlay_tx_pktrate> ]][
<veth_hw_desc> <veth_hw_addr> <veth_bia_addr> [ <veth_conn_name> ][ <veth_conn_dev_name> ][
<veth_vem_num> ][ <veth_vmware_dvport_num> ][ <veth_port_profile> ] <veth_mode> ][
<veth_inrate_bits> <veth_inrate_pkts> <veth_outrate_bits> <veth_outrate_pkts> <veth_inpkts> <veth_inucast>
<veth_inmcast> <veth_inbcast> <veth_inbytes> <veth_outpkts> <veth_outucast> <veth_outmcast>
<veth_outbcast> <veth_outfloods> <veth_outbytes> <veth_inpktdrops> <veth_outpktdrops> ][ <switchport>
] ][ <admin-state> ][ { <tunnel-ipv4> | <tunnel-ipv6> } ][ <mtu> ][ <bandwidth> ][ <encap-type> ][
<keepalive-period> ][ <keepalive-retries> ][ { <src-ipv4> | <src-ipv6> } ][ <src-intf> ][ { <dest-ipv4> |
<dest-ipv6> } ][ <dest-hostname> ][ <vrf_name> ][ <tunnel_vrf_name> ][ <wccp_header> ][ <ttl_val> ]
[ <tunnel_pmtud_age_time> ][ <tunnel_pmtud_min_mtu> ][ <tunnel_pmtud> ][ <tunnel_pgm_mtu> ][
<tunnel_clear_counter> ][ <tunnel_tx_pkt_count> ][ <tunnel_tx_byte_count> ][ <tunnel_tx_rate> ][
<tunnel_rx_pkt_count> ][ <tunnel_rx_byte_count> ][ <tunnel_rx_rate> ]][ ]

```

Syntax Description

show	Show running system information
interface	Show interface status and information
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
quick	(Optional) Show info of interface skipping stats
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>vsan_brief</i>	(Optional) vsan for brief
<i>oper_port_state</i>	(Optional) oper port state
<i>port_state</i>	(Optional) port state
<i>bound_interface</i>	(Optional) bound interface
<i>port_desc</i>	(Optional) port description

<i>port_des</i>	(Optional) port description
<i>mgmt_hw_desc1</i>	(Optional) HW description
<i>mgmt_hw_addr1</i>	(Optional) HW address
<i>port_name</i>	(Optional) port description
<i>hardware</i>	(Optional) Hardware is
<i>sfp</i>	(Optional) sfp
<i>port_wwn</i>	(Optional) port wwn
<i>peer_port_wwn</i>	(Optional) peer port wwn
<i>admin_mode</i>	(Optional) admin mode
<i>admin_trunk_mode</i>	(Optional) admin trunk mode
<i>snmp_trap</i>	(Optional) snmp trap
<i>status</i>	(Optional) Status
<i>state_rsn1</i>	(Optional) state reason
<i>fcot_info</i>	(Optional) fcot info
<i>bind_info</i>	(Optional) bind interface
<i>bind_mac</i>	(Optional) bind mac
<i>bind_type</i>	(Optional) bind type
<i>port_mode</i>	(Optional) port mode
<i>fcid</i>	(Optional) fcid
<i>cfg_port_vsan</i>	(Optional) config port vsan
<i>vsan</i>	(Optional) vsan for brief
<i>port_rate_mode</i>	(Optional) operation port rate mode
<i>oper_speed</i>	(Optional) speed
<i>admin_speed</i>	(Optional) admin speed
<i>port_channel</i>	(Optional) port channel
<i>ip_addr1</i>	(Optional) Ip address
<i>oper_txbbcredit</i>	(Optional) oper tx bbcredit
<i>oper_rxbbcredit</i>	(Optional) oper rx bbcredit
<i>port_bb_scn</i>	(Optional) port bb scn

<i>admin_rxbufsize</i>	(Optional) admin rx bufsize
<i>admin_port_encap</i>	(Optional) admin port encap
<i>admin_beacon_mode</i>	(Optional) admin beacon mode
<i>admin_fec_state</i>	(Optional) admin fec state
<i>oper_fec_state</i>	(Optional) oper fec state
<i>bundle_if_index</i>	(Optional) bundle if index
<i>trkd_if_index</i>	(Optional) Trunk interfaces
<i>trk_cfg_vsans</i>	(Optional) Trunk vsans
<i>trkd_port_state</i>	(Optional) trunk port state
<i>num_ports</i>	(Optional) number of ports
TABLE_trk_intf	(Optional) trunk interfaces
<i>trk_intf</i>	(Optional) track interface
<i>info_type_num</i>	(Optional) info type num
<i>info_model_num</i>	(Optional) info model num
<i>info_manufacturer</i>	(Optional) info manufacturer
<i>info_port_id</i>	(Optional) info port id
<i>active_vsan</i>	(Optional) allowed and active vsan
<i>trunk_vsan_up</i>	(Optional) trunk vsan up
<i>trunk_vsan_isolated</i>	(Optional) trunk vsan isolated
<i>trunk_vsan_initializing</i>	(Optional) trunk vsan initializing
<i>in_bps</i>	(Optional) input bits/sec
<i>in_byps</i>	(Optional) input bytes/sec
<i>in_fps</i>	(Optional) input frames/sec
<i>out_bps</i>	(Optional) output bits/sec
<i>out_byps</i>	(Optional) output bytes/sec
<i>out_fps</i>	(Optional) output frames/sec
<i>total_in_frames</i>	(Optional) total in frames
<i>total_in_bytes</i>	(Optional) total in bytes
<i>total_in_discards</i>	(Optional) total in discards

<i>total_in_errors</i>	(Optional) total in errors
<i>invalid_crc</i>	(Optional) invalid crc
<i>unknown_class_frames</i>	(Optional) unknown class frames
<i>frames_too_long</i>	(Optional) frames too long
<i>frames_too_short</i>	(Optional) frames too short
<i>total_out_frames</i>	(Optional) total out frames
<i>total_out_bytes</i>	(Optional) total out bytes
<i>total_out_discards</i>	(Optional) total out discards
<i>total_out_errors</i>	(Optional) total out errors
<i>in_ols</i>	(Optional) input OLS
<i>in_lrr</i>	(Optional) input LRR
<i>in_nos</i>	(Optional) input NOS
<i>in_loop_inits</i>	(Optional) input loop inits
<i>out_ols</i>	(Optional) output OLS
<i>out_lrr</i>	(Optional) output LRR
<i>out_nos</i>	(Optional) output NOS
<i>out_loop_inits</i>	(Optional) output loop inits
<i>rx_b2b_perf_buff</i>	(Optional) rx b2b performance buff
<i>rx_b2b_credit</i>	(Optional) rx b2b credit
<i>tx_b2b_credit</i>	(Optional) tx b2b credit
<i>tx_b2b_low_pri_cre</i>	(Optional) tx b2b low pri credit
<i>fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>fcoe_in_octets</i>	(Optional) fcoe in octets
<i>fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>fcoe_out_octets</i>	(Optional) fcoe out octets
TABLE_members	(Optional) table for port-channel member interface
port_channel_member	(Optional) port-channel member interface
<i>interface_last_changed</i>	(Optional) interface last changed
<i>time_last_cleared</i>	(Optional) counters last cleared

<i>interface_quick</i>	(Optional) Interface index
<i>vsan_brief_quick</i>	(Optional) vsan for brief
<i>oper_port_state_quick</i>	(Optional) oper port state
<i>port_state_quick</i>	(Optional) port state
<i>bound_interface_quick</i>	(Optional) bound interface
<i>port_desc_quick</i>	(Optional) port description
<i>port_des_quick</i>	(Optional) port description
<i>mgmt_hw_desc1_quick</i>	(Optional) HW description
<i>mgmt_hw_addr1_quick</i>	(Optional) HW address
<i>port_name_quick</i>	(Optional) port description
<i>hardware_quick</i>	(Optional) Hardware is
<i>sfp_quick</i>	(Optional) sfp
<i>port_wwn_quick</i>	(Optional) port wwn
<i>peer_port_wwn_quick</i>	(Optional) peer port wwn
<i>admin_mode_quick</i>	(Optional) admin mode
<i>admin_trunk_mode_quick</i>	(Optional) admin trunk mode
<i>snmp_trap_quick</i>	(Optional) snmp trap
<i>status_quick</i>	(Optional) Status
<i>state_rsn1_quick</i>	(Optional) state reason
<i>fcot_info_quick</i>	(Optional) fcot info
<i>bind_info_quick</i>	(Optional) bind interface
<i>bind_mac_quick</i>	(Optional) bind mac
<i>bind_type_quick</i>	(Optional) bind type
<i>port_mode_quick</i>	(Optional) port mode
<i>fcid_quick</i>	(Optional) fcid
<i>cfg_port_vsan_quick</i>	(Optional) config port vsan
<i>vsan_quick</i>	(Optional) vsan for brief
<i>port_rate_mode_quick</i>	(Optional) operation port rate mode
<i>oper_speed_quick</i>	(Optional) speed

<i>admin_speed_quick</i>	(Optional) admin speed
<i>port_channel_quick</i>	(Optional) port channel
<i>ip_addr1_quick</i>	(Optional) Ip address
<i>oper_txbbcredit_quick</i>	(Optional) oper tx bbcredit
<i>oper_rxbbcredit_quick</i>	(Optional) oper rx bbcredit
<i>port_bb_scn_quick</i>	(Optional) port bb scn
<i>admin_rxbufsize_quick</i>	(Optional) admin rx bufsize
<i>admin_port_encap_quick</i>	(Optional) admin port encap
<i>admin_beacon_mode_quick</i>	(Optional) admin beacon mode
<i>admin_fec_state_quick</i>	(Optional) admin fec state
<i>oper_fec_state_quick</i>	(Optional) oper fec state
<i>bundle_if_index_quick</i>	(Optional) bundle if index
<i>trkd_if_index_quick</i>	(Optional) Trunk interfaces
<i>trk_cfg_vsans_quick</i>	(Optional) Trunk vsans
<i>trkd_port_state_quick</i>	(Optional) trunk port state
<i>num_ports_quick</i>	(Optional) number of ports
TABLE_trk_intf_quick	(Optional) trunk interfaces
<i>trk_intf_quick</i>	(Optional) track interface
<i>info_type_num_quick</i>	(Optional) info type num
<i>info_model_num_quick</i>	(Optional) info model num
<i>info_manufacturer_quick</i>	(Optional) info manufacturer
<i>info_port_id_quick</i>	(Optional) info port id
<i>active_vsan_quick</i>	(Optional) allowed and active vsan
<i>trunk_vsan_up_quick</i>	(Optional) trunk vsan up
<i>trunk_vsan_isolated_quick</i>	(Optional) trunk vsan isolated
<i>trunk_vsan_initializing_quick</i>	(Optional) trunk vsan initializing
<i>in_bps_quick</i>	(Optional) input bits/sec
<i>in_byps_quick</i>	(Optional) input bytes/sec
<i>in_fps_quick</i>	(Optional) input frames/sec

<i>out_bps_quick</i>	(Optional) output bits/sec
<i>out_byps_quick</i>	(Optional) output bytes/sec
<i>out_fps_quick</i>	(Optional) output frames/sec
<i>total_in_frames_quick</i>	(Optional) total in frames
<i>total_in_bytes_quick</i>	(Optional) total in bytes
<i>total_in_discards_quick</i>	(Optional) total in discards
<i>total_in_errors_quick</i>	(Optional) total in errors
<i>invalid_crc_quick</i>	(Optional) invalid crc
<i>unknown_class_frames_quick</i>	(Optional) unknown class frames
<i>frames_too_long_quick</i>	(Optional) frames too long
<i>frames_too_short_quick</i>	(Optional) frames too short
<i>total_out_frames_quick</i>	(Optional) total out frames
<i>total_out_bytes_quick</i>	(Optional) total out bytes
<i>total_out_discards_quick</i>	(Optional) total out discards
<i>total_out_errors_quick</i>	(Optional) total out errors
<i>in_ols_quick</i>	(Optional) input OLS
<i>in_lrr_quick</i>	(Optional) input LRR
<i>in_nos_quick</i>	(Optional) input NOS
<i>in_loop_inits_quick</i>	(Optional) input loop inits
<i>out_ols_quick</i>	(Optional) output OLS
<i>out_lrr_quick</i>	(Optional) output LRR
<i>out_nos_quick</i>	(Optional) output NOS
<i>out_loop_inits_quick</i>	(Optional) output loop inits
<i>rx_b2b_perf_buff_quick</i>	(Optional) rx b2b performance buff
<i>rx_b2b_credit_quick</i>	(Optional) rx b2b credit
<i>tx_b2b_credit_quick</i>	(Optional) tx b2b credit
<i>tx_b2b_low_pri_cre_quick</i>	(Optional) tx b2b low pri credit
<i>fcoe_in_pkts_quick</i>	(Optional) fcoe in pkts
<i>fcoe_in_octets_quick</i>	(Optional) fcoe in octets

<i>fcoe_out_pkts_quick</i>	(Optional) fcoe out pkts
<i>fcoe_out_octets_quick</i>	(Optional) fcoe out octets
<i>TABLE_members_quick</i>	(Optional) table for port-channel member interface
<i>port_channel_member_quick</i>	(Optional) port-channel member interface
<i>interface_last_changed_quick</i>	(Optional) interface last changed
<i>time_last_cleared_quick</i>	(Optional) counters last cleared
<i>eth_rsn_fac</i>	(Optional) State reason facility
<i>eth_rsn_code</i>	(Optional) State reason code
<i>admin_state</i>	(Optional) admin state
<i>share_state</i>	(Optional) Interface ownership
<i>parent_interface</i>	(Optional) parent interface
<i>vpc_status</i>	(Optional) VPC status
<i>eth_bundle</i>	(Optional) Belongs to bundle
<i>eth_hw_desc</i>	(Optional) HW description
<i>eth_hw_addr</i>	(Optional) HW address
<i>eth_bia_addr</i>	(Optional) bia address
<i>desc</i>	(Optional) Interface description
<i>eth_ip_addr</i>	(Optional) IP Address
<i>eth_ip_mask</i>	(Optional) IP address mask
<i>eth_ip_prefix</i>	(Optional) IP address prefix
<i>eth_mtu</i>	(Optional) MTU
<i>eth_bw</i>	(Optional) Bandwidth
<i>eth_bw_str</i>	(Optional) Bandwidth
<i>eth_dly</i>	(Optional) Delay
<i>eth_reliability</i>	(Optional) Reliability
<i>eth_txload</i>	(Optional) Tx load
<i>eth_rxload</i>	(Optional) Rx load
<i>eth_encap_vlan</i>	(Optional) Encapsulation Vlan
<i>encapsulation</i>	(Optional) Encapsulation

<i>medium</i>	(Optional) medium type
<i>eth_mode</i>	(Optional) Port mode
<i>eth_duplex</i>	(Optional) Duplex
<i>eth_speed</i>	(Optional) Speed
<i>eth_media</i>	(Optional) Media type
<i>eth_beacon</i>	(Optional) Beacon
<i>eth_autoneg</i>	(Optional) Autonegotiation
<i>eth_in_flowctrl</i>	(Optional) Input flowcontrol
<i>eth_out_flowctrl</i>	(Optional) Output flowcontrol
<i>eth_mdix</i>	(Optional) Mdx
<i>eth_ratemode</i>	(Optional) Rate mode
<i>eth_swt_monitor</i>	(Optional) Switchport Monitor
<i>eth_etherType</i>	(Optional) EtherType
<i>eth_eee_state</i>	(Optional) EEE state
<i>eth_admin_fec_state</i>	(Optional) Admin FEC state
<i>eth_oper_fec_state</i>	(Optional) Oper FEC state
<i>eth_members</i>	(Optional) Members in this channel
<i>eth_link_flapped</i>	(Optional) Last link flapped
<i>eth_clear_counters</i>	(Optional) Last clearing of show interface counters
<i>eth_reset_cntr</i>	(Optional) Interface resets
<i>eth_load_interval1_rx</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate1_bits</i>	(Optional) interval 1 input rate bits/sec
<i>eth_inrate1_pkts</i>	(Optional) interval 1 input rate pkts/sec
<i>eth_load_interval1_tx</i>	(Optional) interval 1 timer value in sec
<i>eth_outrate1_bits</i>	(Optional) interval 1 output rate bits/sec
<i>eth_outrate1_pkts</i>	(Optional) interval 1 output rate pkts/sec
<i>eth_inrate1_summary_bits</i>	(Optional) interval 1 input rate bit summary
<i>eth_inrate1_summary_pkts</i>	(Optional) interval 1 input rate pkt summary
<i>eth_outrate1_summary_bits</i>	(Optional) interval 1 output rate bit summary

<i>eth_outrate1_summary_pkts</i>	(Optional) interval 1 output rate pkt summary
<i>eth_load_interval2_rx</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate2_bits</i>	(Optional) interval 2 input rate bits/sec
<i>eth_inrate2_pkts</i>	(Optional) interval 2 input rate pkts/sec
<i>eth_load_interval2_tx</i>	(Optional) interval 2 timer value in sec
<i>eth_outrate2_bits</i>	(Optional) interval 2 output rate bits/sec
<i>eth_outrate2_pkts</i>	(Optional) interval 2 output rate pkts/sec
<i>eth_inrate2_summary_bits</i>	(Optional) interval 2 input rate bit summary
<i>eth_inrate2_summary_pkts</i>	(Optional) interval 2 input rate pkt summary
<i>eth_outrate2_summary_bits</i>	(Optional) interval 2 output rate bit summary
<i>eth_outrate2_summary_pkts</i>	(Optional) interval 2 output rate pkt summary
<i>eth_load_interval3_rx</i>	(Optional) interval 3 timer value in sec
<i>eth_inrate3_bits</i>	(Optional) interval 3 input rate bits/sec
<i>eth_inrate3_pkts</i>	(Optional) interval 3 input rate pkts/sec
<i>eth_load_interval3_tx</i>	(Optional) interval 3 timer value in sec
<i>eth_outrate3_bits</i>	(Optional) interval 3 output rate bits/sec
<i>eth_outrate3_pkts</i>	(Optional) interval 3 output rate pkts/sec
<i>eth_inrate3_summary_bits</i>	(Optional) interval 3 input rate bit summary
<i>eth_inrate3_summary_pkts</i>	(Optional) interval 3 input rate pkt summary
<i>eth_outrate3_summary_bits</i>	(Optional) interval 3 output rate bit summary
<i>eth_outrate3_summary_pkts</i>	(Optional) interval 3 output rate pkt summary
<i>eth_l2_ucastpkts</i>	(Optional) L2 switched ucast pkts
<i>eth_l2_ucastbytes</i>	(Optional) L2 switched ucast bytes
<i>eth_l2_mcastpkts</i>	(Optional) L2 switched mcast pkts
<i>eth_l2_mcastbytes</i>	(Optional) L2 switched mcast bytes
<i>eth_l2_bcastpkts</i>	(Optional) L2 switched bcast pkts
<i>eth_l2_bcastbytes</i>	(Optional) L2 switched bcast bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 in switched ucast pkts
<i>eth_l3in_ucastbytes</i>	(Optional) L3 in switched ucast bytes

<i>eth_l3in_mcastpkts</i>	(Optional) L3 in switched mcast pkts
<i>eth_l3in_mcastbytes</i>	(Optional) L3 in switched mcast bytes
<i>eth_l3in_bcastpkts</i>	(Optional) L3 in switched bcast pkts
<i>eth_l3in_bcastbytes</i>	(Optional) L3 in switched bcast bytes
<i>eth_l3out_ucastpkts</i>	(Optional) L3 out switched ucast pkts
<i>eth_l3out_ucastbytes</i>	(Optional) L3 out switched ucast bytes
<i>eth_l3out_mcastpkts</i>	(Optional) L3 out switched mcast pkts
<i>eth_l3out_mcastbytes</i>	(Optional) L3 out switched mcast bytes
<i>eth_l3out_bcastpkts</i>	(Optional) L3 out switched bcast pkts
<i>eth_l3out_bcastbytes</i>	(Optional) L3 out switched bcast bytes
<i>eth_l3in_routed_pkts</i>	(Optional) L3 in routed pkts
<i>eth_l3in_routed_bytes</i>	(Optional) L3 in routed bytes
<i>eth_l3out_routed_pkts</i>	(Optional) L3 out routed pkts
<i>eth_l3out_routed_bytes</i>	(Optional) L3 out routed bytes
<i>eth_l3avg1_inbytes</i>	(Optional) Load interval 1 L3 average in switched bytes
<i>eth_l3avg1_inpkts</i>	(Optional) Load interval 1 L3 average in switched pkts
<i>eth_l3avg1_outbytes</i>	(Optional) Load interval 1 L3 average out switched bytes
<i>eth_l3avg1_outpkts</i>	(Optional) Load interval 1 L3 average out switched pkts
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_jumbo_inpkts</i>	(Optional) Incoming jumbo pkts
<i>eth_storm_supp</i>	(Optional) storm suppression
<i>eth_runts</i>	(Optional) runts
<i>eth_giants</i>	(Optional) giants
<i>eth_crc</i>	(Optional) CRC
<i>eth_nobuf</i>	(Optional) No buffer received

<i>eth_inerr</i>	(Optional) input errors
<i>eth_frame</i>	(Optional) frame
<i>eth_overrun</i>	(Optional) overrun
<i>eth_underrun</i>	(Optional) underruns
<i>eth_ignored</i>	(Optional) ignored
<i>eth_watchdog</i>	(Optional) watchdog
<i>eth_bad_eth</i>	(Optional) bad ether type drop
<i>eth_bad_proto</i>	(Optional) bad protocol drops
<i>eth_in_ifdown_drops</i>	(Optional) Input if-down drops
<i>eth_dribble</i>	(Optional) input packets with dribble condition
<i>eth_indiscard</i>	(Optional) discards
<i>eth_inpause</i>	(Optional) pause input
<i>eth_stomped_crc</i>	(Optional) Stomped CRC
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outbcast</i>	(Optional) Broadcasts
<i>eth_outpkts</i>	(Optional) packets output
<i>eth_outbytes</i>	(Optional) bytes output
<i>eth_jumbo_outpkts</i>	(Optional) Outgoing jumbo pkts
<i>eth_outerr</i>	(Optional) output errors
<i>eth_coll</i>	(Optional) collisions
<i>eth_deferred</i>	(Optional) deferred
<i>eth_latecoll</i>	(Optional) late collision
<i>eth_lostcarrier</i>	(Optional) lost carrier
<i>eth_nocarrier</i>	(Optional) no carrier
<i>eth_babbles</i>	(Optional) babbles
<i>eth_outdiscard</i>	(Optional) output discard
<i>eth_outpause</i>	(Optional) PAUSE output
<i>mgmt_hw_desc</i>	(Optional) HW description

<i>mgmt_hw_addr</i>	(Optional) HW address
<i>mgmt_ip_addr</i>	(Optional) IP address
<i>mgmt_ip_mask</i>	(Optional) IP address mask
<i>mgmt_mtu</i>	(Optional) MTU
<i>mgmt_speed</i>	(Optional) Speed
<i>mgmt_duplex</i>	(Optional) Duplex
<i>vdc_lvl_in_avg_bits</i>	(Optional) VDC level average input bits
<i>vdc_lvl_in_avg_pkts</i>	(Optional) VDC level average input packets
<i>vdc_lvl_out_avg_bits</i>	(Optional) VDC level average output bits
<i>vdc_lvl_out_avg_pkts</i>	(Optional) VDC level average output packets
<i>vdc_lvl_in_pkts</i>	(Optional) VDC level input packets
<i>vdc_lvl_in_ucast</i>	(Optional) VDC level input unicast packets
<i>vdc_lvl_in_mcast</i>	(Optional) VDC level input multicast packets
<i>vdc_lvl_in_bcast</i>	(Optional) VDC level input broadcast packets
<i>vdc_lvl_in_bytes</i>	(Optional) VDC level input bytes
<i>vdc_lvl_in_bps</i>	(Optional) VDC level input bytes per second
<i>vdc_lvl_in_pps</i>	(Optional) VDC level input packets per second
<i>vdc_lvl_out_pkts</i>	(Optional) VDC level output packets
<i>vdc_lvl_out_ucast</i>	(Optional) VDC level output unicast packets
<i>vdc_lvl_out_mcast</i>	(Optional) VDC level output multicast packets
<i>vdc_lvl_out_bcast</i>	(Optional) VDC level output broadcast packets
<i>vdc_lvl_out_bytes</i>	(Optional) VDC level output bytes
<i>vdc_lvl_out_bps</i>	(Optional) VDC level output bytes per second
<i>vdc_lvl_out_pps</i>	(Optional) VDC level output packets per second
<i>mgmt_in_pkts</i>	(Optional) Input packets
<i>mgmt_in_bytes</i>	(Optional) Input bytes
<i>mgmt_in_mcast</i>	(Optional) Input multicast frames
<i>mgmt_in_compressed</i>	(Optional) Input compressed
<i>mgmt_in_errors</i>	(Optional) Input errors

<i>mgmt_in_frame</i>	(Optional) Input frame errors
<i>mgmt_in_overrun</i>	(Optional) Input overrun
<i>mgmt_in_fifo</i>	(Optional) Input fifo
<i>mgmt_out_pkts</i>	(Optional) Output packets
<i>mgmt_out_bytes</i>	(Optional) Output bytes
<i>mgmt_out_underruns</i>	(Optional) Output overruns
<i>mgmt_out_errors</i>	(Optional) Output errors
<i>mgmt_out_collisions</i>	(Optional) Output collisions
<i>mgmt_out_fifo</i>	(Optional) Output fifo
<i>mgmt_out_carrier</i>	(Optional) Output carrier errors
<i>mgmt_align_err</i>	(Optional) Align error
<i>mgmt_fcs_err</i>	(Optional) FCS error
<i>mgmt_xmit_err</i>	(Optional) Transmit error
<i>mgmt_rcv_err</i>	(Optional) Receive error
<i>mgmt_undersize</i>	(Optional) Undersize
<i>mgmt_outdisc</i>	(Optional) Out discard
<i>mgmt_single_col</i>	(Optional) Single collision
<i>mgmt_multi_col</i>	(Optional) Multiple collision
<i>mgmt_late_col</i>	(Optional) Late collision
<i>mgmt_excess_col</i>	(Optional) Excess collision
<i>mgmt_carri_sen</i>	(Optional) Carrier sense
<i>mgmt_runts</i>	(Optional) Runts
<i>mgmt_giants</i>	(Optional) Giants
<i>mgmt_sqetest_err</i>	(Optional) SQETest error
<i>mgmt_deferred_tx</i>	(Optional) Deferred tx
<i>mgmt_inmactx_err</i>	(Optional) In MAC tx
<i>mgmt_inmacrx_err</i>	(Optional) In MAC rx
<i>mgmt_symbol_err</i>	(Optional) Symbol error
<i>loop_in_pkts</i>	(Optional) Input packets

<i>loop_in_bytes</i>	(Optional) Input bytes
<i>loop_in_mcast</i>	(Optional) Input multicast
<i>loop_in_compressed</i>	(Optional) Input compressed
<i>loop_in_errors</i>	(Optional) Input errors
<i>loop_in_frame</i>	(Optional) Input frame errors
<i>loop_in_overrun</i>	(Optional) Input overrun
<i>loop_in_fifo</i>	(Optional) Input fifo
<i>loop_out_pkts</i>	(Optional) Output packets
<i>loop_out_bytes</i>	(Optional) Output bytes
<i>loop_out_underruns</i>	(Optional) Output underruns
<i>loop_out_errors</i>	(Optional) Output errors
<i>loop_out_collisions</i>	(Optional) Output collisions
<i>loop_out_fifo</i>	(Optional) Output fifo
<i>loop_out_carriers</i>	(Optional) Output carrier errors
<i>svi_if_index</i>	(Optional) Interface
<i>svi_admin_state</i>	(Optional)
<i>oper_state</i>	(Optional)
<i>svi_rsn_desc</i>	(Optional) Interface state reason detailed
<i>svi_line_proto</i>	(Optional)
<i>svi_hw</i>	(Optional) Hardware
<i>svi_mac</i>	(Optional) Address
<i>svi_desc</i>	(Optional) Interface Description
<i>svi_ip_addr</i>	(Optional) IP Address
<i>svi_ip_mask</i>	(Optional) IP address mask
<i>svi_mtu</i>	(Optional) MTU size in bytes
<i>svi_bw</i>	(Optional) Bandwidth in kilobits
<i>svi_delay</i>	(Optional) Throughput delay (tens of microseconds)
<i>vlan_id</i>	(Optional) Vlan
<i>type</i>	(Optional) type

<i>svi_tx_load</i>	(Optional) Tx Load
<i>svi_rx_load</i>	(Optional) Rx Load
<i>svi_carrier_delay_sec</i>	(Optional) carrier delay value in seconds
<i>svi_carrier_delay_msec</i>	(Optional) carrier delay value in milli-seconds
<i>svi_arp_type</i>	(Optional) ARP type
<i>svi_arp_timeout</i>	(Optional) ARP timeout value
<i>svi_time_last_cleared</i>	(Optional) Time last cleared
TABLE_sec_vlan	(Optional) secondary vlans
<i>sec_vlan</i>	(Optional) vlan id
<i>sec_vlan_type</i>	(Optional) secondary vlan type
<i>svi_reliability</i>	(Optional) Reliability
<i>veth_hw_desc</i>	(Optional) HW description
<i>veth_hw_addr</i>	(Optional) HW address
<i>veth_bia_addr</i>	(Optional) bia address
<i>veth_conn_name</i>	(Optional) Connectee name
<i>veth_conn_dev_name</i>	(Optional) Connectee device name
<i>veth_vem_num</i>	(Optional) VEM the veth is active on
<i>veth_vmware_dyport_num</i>	(Optional) VMware DVPort number
<i>veth_port_profile</i>	(Optional) Port Profile name
<i>veth_mode</i>	(Optional) Port mode
<i>veth_inrate_bits</i>	(Optional) input rate bits/sec
<i>veth_inrate_pkts</i>	(Optional) input rate pkts/sec
<i>veth_outrate_bits</i>	(Optional) output rate bits/sec
<i>veth_outrate_pkts</i>	(Optional) output rate pkts/sec
<i>veth_inpkts</i>	(Optional) Packets input
<i>veth_inucast</i>	(Optional) Unicasts input
<i>veth_inmcast</i>	(Optional) Multicasts input
<i>veth_inbcast</i>	(Optional) Broadcasts input
<i>veth_inbytes</i>	(Optional) Bytes input

<i>veth_outpkts</i>	(Optional) Packets output
<i>veth_outucast</i>	(Optional) Unicasts output
<i>veth_outmcast</i>	(Optional) Multicasts output
<i>veth_outbcast</i>	(Optional) Broadcasts output
<i>veth_outfloods</i>	(Optional) Flood packets output
<i>veth_outbytes</i>	(Optional) Bytes output
<i>veth_inpktdrops</i>	(Optional) Packet drops input
<i>veth_outpktdrops</i>	(Optional) Packet drops output
<i>admin-state</i>	(Optional)
<i>tunnel-ipv4</i>	(Optional) interface IPv4 address
<i>mtu</i>	(Optional) interface Maximum Transmission Unit
<i>bandwidth</i>	(Optional) interface Bandwidth in kilobits
<i>encap-type</i>	(Optional)
<i>keepalive-period</i>	(Optional) keealive period
<i>keepalive-retries</i>	(Optional) number of retries
<i>src-ipv4</i>	(Optional) tunnel source IPv4 address
<i>src-intf</i>	(Optional) tunnel source interface
<i>dest-ipv4</i>	(Optional) tunnel destination IPv4 address
<i>dest-hostname</i>	(Optional) tunnel destination hostname
<i>vrf_name</i>	(Optional) transport VRF name
<i>tunnel_vrf_name</i>	(Optional) tunnel VRF name
<i>wccp_header</i>	(Optional) wccp header
<i>ttl_val</i>	(Optional) tunnel time to live value
<i>tunnel_pmtud_age_time</i>	(Optional) tunnel path MTU discovery age time
<i>tunnel_pmtud_min_mtu</i>	(Optional) tunnel path MTU discovery min mtu
<i>tunnel_pmtud</i>	(Optional) tunnel path MTU discovered
<i>tunnel_pgm_mtu</i>	(Optional) tunnel actual programmed MTU
<i>tunnel_rx_pkt_count</i>	(Optional) total number of packets received
<i>tunnel_rx_byte_count</i>	(Optional) total number of bytes received

<i>tunnel_rx_rate</i>	(Optional) packets input rate per 5 minutes
<i>tunnel_tx_pkt_count</i>	(Optional) total number of packets transmitted
<i>tunnel_tx_byte_count</i>	(Optional) total number of bytes transmitted
<i>tunnel_tx_rate</i>	(Optional) packets transmitted per 5 minutes
<i>tunnel_clear_counter</i>	(Optional) Last clearing of show interface counters
<i>overlay_addr</i>	(Optional) Overlay address
<i>overlay_addr_mask</i>	(Optional) Overlay address mask
<i>overlay_mtu</i>	(Optional) MTU
<i>overlay_bandwidth</i>	(Optional) Bandwidth
<i>overlay_encap_str</i>	(Optional) Encap type
<i>overlay_vrf</i>	(Optional) VRF
<i>overlay_src_addr</i>	(Optional) Source address
<i>overlay_dst_addr</i>	(Optional) Destination address
<i>overlay_last_link_flap</i>	(Optional) Last link flap
<i>overlay_clear_counters</i>	(Optional) Last clearing of show interface counters
<i>overlay_load_interval</i>	(Optional) Load interval
<i>overlay_rx_ucastpkts</i>	(Optional) Received ucast pkts
<i>overlay_rx_ucastbytes</i>	(Optional) Received ucast bytes
<i>overlay_rx_mcastpkts</i>	(Optional) Received mcast pkts
<i>overlay_rx_mcastbytes</i>	(Optional) Received mcast bytes
<i>overlay_rx_bcastpkts</i>	(Optional) Received bcast pkts
<i>overlay_rx_bcastbytes</i>	(Optional) Received bcast bytes
<i>overlay_rx_pkts</i>	(Optional) Total received pkts
<i>overlay_rx_bytes</i>	(Optional) Total received bytes
<i>overlay_rx_bitrate</i>	(Optional) Receive bit rate
<i>overlay_rx_pktrate</i>	(Optional) Receive pkt rate
<i>overlay_tx_ucastpkts</i>	(Optional) Trasnmitted ucast pkts
<i>overlay_tx_ucastbytes</i>	(Optional) Trasnmitted ucast bytes
<i>overlay_tx_mcastpkts</i>	(Optional) Trasnmitted mcast pkts

<i>overlay_tx_mcastbytes</i>	(Optional) Trasnmitted mcast bytes
<i>overlay_tx_bcastpkts</i>	(Optional) Trasnmitted bcast pkts
<i>overlay_tx_bcastbytes</i>	(Optional) Trasnmitted bcast bytes
<i>overlay_tx_pkts</i>	(Optional) Total transmitted pkts
<i>overlay_tx_bytes</i>	(Optional) Total transmitted bytes
<i>overlay_tx_bitrate</i>	(Optional) Transmit bit rate
<i>overlay_tx_pktrate</i>	(Optional) Transmit pkt rate
<i>switchport</i>	(Optional) Switchport enabled

Command Mode

- /exec

show interface

```
show interface <ifloop> [ __readonly__ TABLE_interface <interface> [ <state> ] [ <admin_state> ] [
<share_state> ] [ <state_rsn> ] [ <state_rsn_desc> ] [ <desc> ] [ <eth_bundle> ] [ <mgmt_sfp> ] [ <mgmt_type>
] [ <eth_eee_state> ] [ <eth_dce_mode> ] [ <vpc_status> ] [ <eth_rsn_fac> ] [ <eth_rsn_code> ] [
<eth_hw_desc> ] [ <eth_hw_addr> ] [ <eth_bia_addr> ] [ <eth_ip_addr> ] [ <eth_ip_mask> ] [ <eth_ip_prefix>
] [ <eth_mtu> ] [ <eth_bw> ] [ <eth_encap_vlan> ] [ <encapsulation> ] [ <eth_dly> ] [ <eth_reliability> ] [
<eth_txload> ] [ <eth_rxload> ] [ <eth_loopback> ] [ <eth_keepalive> ] [ <eth_duplex> ] [ <eth_speed> ] [
<eth_mode> ] [ <eth_ratemode> ] [ <eth_autoneg> ] [ <eth_beacon> ] [ <eth_media> ] [ <eth_in_flowctrl>
] [ <eth_out_flowctrl> ] [ <eth_mdix> ] [ <eth_swt_monitor> ] [ <eth_ethertype> ] [ <eth_members> ] [
<eth_clk_mode> ] [ <eth_arp_type> ] [ <eth_arp_timeout> ] [ <eth_last_in> ] [ <eth_last_out> ] [
<eth_out_hang> ] [ <eth_clear_counters> ] [ <eth_link_flapped> ] [ <eth_inq_size> ] [ <eth_inq_max> ] [
<eth_inq_drops> ] [ <eth_inq_flush> ] [ <eth_out_drop> ] [ <eth_q_strategy> ] [ <eth_outq_size> ] [
<eth_outq_max> ] [ <eth_reset_cnt> ] [ <eth_tx_frm_error> ] [ <eth_rx_toolong> ] [ <eth_rx_undersize> ]
[ <eth_rx_fragment> ] [ <eth_rx_crcerr_not_stomped> ] [ <eth_rx_crcerr_stomped> ] [ <eth_rx_inrangeerr>
] [ <loop_in_pkts> ] [ <loop_in_bytes> ] [ <loop_in_mcast> ] [ <loop_in_compressed> ] [ <loop_in_errors>
] [ <loop_in_frame> ] [ <loop_in_overrun> ] [ <loop_in_fifo> ] [ <loop_out_pkts> ] [ <loop_out_bytes> ] [
<loop_out_underruns> ] [ <loop_out_errors> ] [ <loop_out_collisions> ] [ <loop_out_fifo> ] [
<loop_out_carriers> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop</i>	Enter interface type and number in module/slot format
<u>__readonly__</u>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
<u>TABLE_interface</u>	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>admin_state</i>	(Optional) Interface admin state
<i>share_state</i>	(Optional) Interface ownership
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>desc</i>	(Optional) Interface description
<i>mgmt_sfp</i>	(Optional) mgmt sfp
<i>mgmt_type</i>	(Optional) mgmt type
<i>eth_bundle</i>	(Optional) Belongs to bundle
<i>eth_eee_state</i>	(Optional) EEE state

<i>eth_dce_mode</i>	(Optional) DCE mode description
<i>vpc_status</i>	(Optional) VPC status
<i>eth_rsn_fac</i>	(Optional) State reason facility
<i>eth_rsn_code</i>	(Optional) State reason code
<i>eth_hw_desc</i>	(Optional) HW description
<i>eth_hw_addr</i>	(Optional) HW address
<i>eth_bia_addr</i>	(Optional) bia address
<i>eth_ip_addr</i>	(Optional) IP Address
<i>eth_ip_mask</i>	(Optional) IP address mask
<i>eth_ip_prefix</i>	(Optional) IP Prefix
<i>eth_mtu</i>	(Optional) MTU
<i>eth_bw</i>	(Optional) Bandwidth
<i>eth_encap_vlan</i>	(Optional) Encapsulation Vlan
<i>encapsulation</i>	(Optional) Encapsulation
<i>eth_dly</i>	(Optional) Delay
<i>eth_reliability</i>	(Optional) Reliability
<i>eth_txload</i>	(Optional) Tx load
<i>eth_rxload</i>	(Optional) Rx load
<i>eth_loopback</i>	(Optional) Loopback
<i>eth_keepalive</i>	(Optional) Keepalive
<i>eth_duplex</i>	(Optional) Duplex
<i>eth_speed</i>	(Optional) Speed
<i>eth_mode</i>	(Optional) Port mode
<i>eth_ratemode</i>	(Optional) Rate mode
<i>eth_autoneg</i>	(Optional) Autonegotiation
<i>eth_beacon</i>	(Optional) Beacon
<i>eth_media</i>	(Optional) Media type
<i>eth_in_flowctrl</i>	(Optional) Input flowcontrol
<i>eth_out_flowctrl</i>	(Optional) Output flowcontrol

<i>eth_mdix</i>	(Optional) Mdx
<i>eth_swt_monitor</i>	(Optional) Switchport Monitor
<i>eth_ethertype</i>	(Optional) EtherType
<i>eth_members</i>	(Optional) Members in this channel
<i>eth_clk_mode</i>	(Optional) Clock mode
<i>eth_arp_type</i>	(Optional) ARP type
<i>eth_arp_timeout</i>	(Optional) ARP timeout
<i>eth_last_in</i>	(Optional) Last input
<i>eth_last_out</i>	(Optional) Last output
<i>eth_out_hang</i>	(Optional) Last output hang
<i>eth_clear_counters</i>	(Optional) Last clearing of show interface counters
<i>eth_link_flapped</i>	(Optional) Last link flapped
<i>eth_inq_size</i>	(Optional) Input queue size
<i>eth_inq_max</i>	(Optional) Input queue max
<i>eth_inq_drops</i>	(Optional) Input queue drops
<i>eth_inq_flush</i>	(Optional) Input queue flushes
<i>eth_out_drop</i>	(Optional) Output drops
<i>eth_q_strategy</i>	(Optional) Queuing strategy
<i>eth_outq_size</i>	(Optional) Output queue size
<i>eth_outq_max</i>	(Optional) Output queue max
<i>eth_reset_cntr</i>	(Optional) Interface resets
<i>eth_tx_frm_error</i>	(Optional) tx frame error
<i>eth_rx_toolong</i>	(Optional) rx toolong error
<i>eth_rx_undersize</i>	(Optional) rx undersize
<i>eth_rx_fragment</i>	(Optional) rx fragment
<i>eth_rx_crcerr_not_stomped</i>	(Optional) rx crcerr not stomped
<i>eth_rx_crcerr_stomped</i>	(Optional) rx crcerr stomped
<i>eth_rx_inrangeerr</i>	(Optional) rx inrange error
<i>loop_in_pkts</i>	(Optional) Input packets

<i>loop_in_bytes</i>	(Optional) Input bytes
<i>loop_in_mcast</i>	(Optional) Input multicast
<i>loop_in_compressed</i>	(Optional) Input compressed
<i>loop_in_errors</i>	(Optional) Input errors
<i>loop_in_frame</i>	(Optional) Input frame errors
<i>loop_in_overrun</i>	(Optional) Input overrun
<i>loop_in_fifo</i>	(Optional) Input fifo
<i>loop_out_pkts</i>	(Optional) Output packets
<i>loop_out_bytes</i>	(Optional) Output bytes
<i>loop_out_underruns</i>	(Optional) Output underruns
<i>loop_out_errors</i>	(Optional) Output errors
<i>loop_out_collisions</i>	(Optional) Output collisions
<i>loop_out_fifo</i>	(Optional) Output fifo
<i>loop_out_carriers</i>	(Optional) Output carrier errors

Command Mode

- /exec

show interface

```
show interface <iftun_desc> [ __readonly__ TABLE_interface <interface> <state> [ <state_rsn_desc> ] [
<desc> ] [ <admin-state> ] [ { <tunnel-ipv4> | <tunnel-ipv6> } ] [ <mtu> ] [ <bandwidth> ] [ <encap-type>
] [ <keepalive-period> ] [ <keepalive-retries> ] [ { <src-ipv4> | <src-ipv6> } ] [ <src-intf> ] [ { <dest-ipv4>
| <dest-ipv6> } ] [ <dest-hostname> ] [ <vrf_name> ] [ <tunnel_vrf_name> ] [ <wccp_header> ] [ <ttl_val>
] [ <tunnel_pmtud_age_time> ] [ <tunnel_pmtud_min_mtu> ] [ <tunnel_pmtud> ] [ <tunnel_pgm_mtu> ] [
<tunnel_clear_counter> ] [ <tunnel_tx_pkt_count> ] [ <tunnel_tx_byte_count> ] [ <tunnel_tx_rate> ] [
<tunnel_rx_pkt_count> ] [ <tunnel_rx_byte_count> ] [ <tunnel_rx_rate> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftun_desc</i>	Enter tunnel interface number
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>desc</i>	(Optional) Interface description
<i>admin-state</i>	(Optional)
<i>tunnel-ipv4</i>	(Optional) interface IPv4 address
<i>mtu</i>	(Optional) interface Maximum Transmission Unit
<i>bandwidth</i>	(Optional) interface Bandwidth in kilobits
<i>encap-type</i>	(Optional)
<i>keepalive-period</i>	(Optional) keealive period
<i>keepalive-retries</i>	(Optional) number of retries
<i>src-ipv4</i>	(Optional) tunnel source IPv4 address
<i>src-intf</i>	(Optional) tunnel source interface
<i>dest-ipv4</i>	(Optional) tunnel destination IPv4 address
<i>dest-hostname</i>	(Optional) tunnel destination hostname
<i>vrf_name</i>	(Optional) transport VRF name
<i>tunnel_vrf_name</i>	(Optional) tunnel VRF name

<i>wccp_header</i>	(Optional) wccp header
<i>ttl_val</i>	(Optional) tunnel time to live value
<i>tunnel_pmtud_age_time</i>	(Optional) tunnel path MTU discovery age time
<i>tunnel_pmtud_min_mtu</i>	(Optional) tunnel path MTU discovery min mtu
<i>tunnel_pmtud</i>	(Optional) tunnel path MTU discovered
<i>tunnel_pgm_mtu</i>	(Optional) tunnel actual programmed MTU
<i>tunnel_rx_pkt_count</i>	(Optional) total number of packets received
<i>tunnel_rx_byte_count</i>	(Optional) total number of bytes received
<i>tunnel_rx_rate</i>	(Optional) packets input rate per 5 minutes
<i>tunnel_tx_pkt_count</i>	(Optional) total number of packets transmitted
<i>tunnel_tx_byte_count</i>	(Optional) total number of bytes transmitted
<i>tunnel_tx_rate</i>	(Optional) packets transmitted per 5 minutes
<i>tunnel_clear_counter</i>	(Optional) Last clearing of show interface counters

Command Mode

- /exec

show interface

```
show interface <ifeth> [ quick ] [ __readonly__ TABLE_interface <interface> <state> [ <state_rsn_desc> ]
[ <state_rsn> ] [ <eth_rsn_fac> ] [ <eth_rsn_code> ] [ <admin_state> ] [ <share_state> ] [ <parent_interface> ]
[ <vpc_status> ] [ <eth_bundle> ] [ <eth_hw_desc> ] [ <eth_hw_addr> ] [ <eth_bia_addr> ] [ <desc> ] [
<eth_ip_addr> ] [ <eth_ip_mask> ] [ <eth_ip_prefix> ] [ <eth_mtu> ] + [ <eth_bw> ] [ <eth_bw_str> ] [
<eth_dly> ] [ <eth_reliability> ] [ <eth_txload> ] [ <eth_rxload> ] [ <eth_encap_vlan> ] [ <encapsulation> ]
[ <medium> ] [ <eth_mode> ] [ <eth_duplex> ] [ <eth_speed> ] [ <eth_media> ] [ <eth_beacon> ] [
<eth_autoneg> ] [ <eth_in_flowctrl> ] [ <eth_out_flowctrl> ] [ <eth_mdix> ] [ <eth_ratemode> ] [
<eth_swt_monitor> ] [ <eth_etherstype> ] [ <eth_eee_state> ] [ <eth_admin_fec_state> ] [ <eth_oper_fec_state> ]
[ <eth_members> ] [ <eth_link_flapped> ] [ <eth_clear_counters> ] [ <eth_reset_cntr> ] [
<eth_load_interval1_rx> ] [ <eth_inrate1_bits> ] [ <eth_inrate1_pkts> ] [ <eth_load_interval1_tx> ] [
<eth_outrate1_bits> ] [ <eth_outrate1_pkts> ] [ <eth_inrate1_summary_bits> ] [ <eth_inrate1_summary_pkts> ]
[ <eth_outrate1_summary_bits> ] [ <eth_outrate1_summary_pkts> ] [ <eth_load_interval2_rx> ] [
<eth_inrate2_bits> ] [ <eth_inrate2_pkts> ] [ <eth_load_interval2_tx> ] [ <eth_outrate2_bits> ] [
<eth_outrate2_pkts> ] [ <eth_inrate2_summary_bits> ] [ <eth_inrate2_summary_pkts> ] [
<eth_outrate2_summary_bits> ] [ <eth_outrate2_summary_pkts> ] [ <eth_load_interval3_rx> ] [
<eth_inrate3_bits> ] [ <eth_inrate3_pkts> ] [ <eth_load_interval3_tx> ] [ <eth_outrate3_bits> ] [
<eth_outrate3_pkts> ] [ <eth_inrate3_summary_bits> ] [ <eth_inrate3_summary_pkts> ] [
<eth_outrate3_summary_bits> ] [ <eth_outrate3_summary_pkts> ] [ <eth_l2_ucastpkts> ] [ <eth_l2_ucastbytes> ]
[ <eth_l2_mcastpkts> ] [ <eth_l2_mcastbytes> ] [ <eth_l2_bcastpkts> ] [ <eth_l2_bcastbytes> ] [
<eth_l3in_routed_pkts> ] [ <eth_l3in_routed_bytes> ] [ <eth_l3out_routed_pkts> ] [ <eth_l3out_routed_bytes> ]
[ <eth_l3in_ucastpkts> ] [ <eth_l3in_ucastbytes> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_mcastbytes> ] [
<eth_l3in_bcastpkts> ] [ <eth_l3in_bcastbytes> ] [ <eth_l3out_ucastpkts> ] [ <eth_l3out_ucastbytes> ] [
<eth_l3out_mcastpkts> ] [ <eth_l3out_mcastbytes> ] [ <eth_l3out_bcastpkts> ] [ <eth_l3out_bcastbytes> ] [
<eth_l3avg1_inbytes> ] [ <eth_l3avg1_inpkts> ] [ <eth_l3avg1_outbytes> ] [ <eth_l3avg1_outpkts> ] [
<eth_inucast> ] [ <eth_inmcast> ] [ <eth_inbcast> ] [ <eth_inpkts> ] [ <eth_inbytes> ] [ <eth_jumbo_inpkts> ]
[ <eth_storm_supp> ] [ <eth_runts> ] [ <eth_giants> ] [ <eth_crc> ] [ <eth_nobuf> ] [ <eth_inerr> ] [
<eth_frame> ] [ <eth_overrun> ] [ <eth_underrun> ] [ <eth_ignored> ] [ <eth_watchdog> ] [ <eth_bad_eth> ]
[ <eth_bad_proto> ] [ <eth_in_ifdown_drops> ] [ <eth_dribble> ] [ <eth_indiscard> ] [ <eth_inpause> ] [
<eth_stomped_crc> ] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast> ] [ <eth_outpkts> ] [
<eth_outbytes> ] [ <eth_jumbo_outpkts> ] [ <eth_outerr> ] [ <eth_coll> ] [ <eth_deferred> ] [ <eth_latecoll> ]
[ <eth_lostcarrier> ] [ <eth_nocarrier> ] [ <eth_babbles> ] [ <eth_outdiscard> ] [ <eth_outpause> ] [
<switchport> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth</i>	Enter interface type and number in module/slot format
quick	(Optional) Show info of interface skipping stats
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state

<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>state_rsn</i>	(Optional) Interface state reason
<i>eth_rsn_fac</i>	(Optional) State reason facility
<i>eth_rsn_code</i>	(Optional) State reason code
<i>admin_state</i>	(Optional) admin state
<i>share_state</i>	(Optional) Interface ownership
<i>parent_interface</i>	(Optional) parent interface
<i>vpc_status</i>	(Optional) VPC status
<i>eth_bundle</i>	(Optional) Belongs to bundle
<i>eth_hw_desc</i>	(Optional) HW description
<i>eth_hw_addr</i>	(Optional) HW address
<i>eth_bia_addr</i>	(Optional) bia address
<i>desc</i>	(Optional) Interface description
<i>eth_ip_addr</i>	(Optional) IP Address
<i>eth_ip_mask</i>	(Optional) IP address mask
<i>eth_ip_prefix</i>	(Optional) IP address prefix
<i>eth_mtu</i>	(Optional) MTU
<i>eth_bw</i>	(Optional) Bandwidth
<i>eth_bw_str</i>	(Optional) Bandwidth
<i>eth_dly</i>	(Optional) Delay
<i>eth_reliability</i>	(Optional) Reliability
<i>eth_txload</i>	(Optional) Tx load
<i>eth_rxload</i>	(Optional) Rx load
<i>eth_encap_vlan</i>	(Optional) Encapsulation Vlan
<i>encapsulation</i>	(Optional) Encapsulation
<i>medium</i>	(Optional) medium type
<i>eth_mode</i>	(Optional) Port mode
<i>eth_duplex</i>	(Optional) Duplex
<i>eth_speed</i>	(Optional) Speed

<i>eth_media</i>	(Optional) Media type
<i>eth_beacon</i>	(Optional) Beacon
<i>eth_autoneg</i>	(Optional) Autonegotiation
<i>eth_in_flowctrl</i>	(Optional) Input flowcontrol
<i>eth_out_flowctrl</i>	(Optional) Output flowcontrol
<i>eth_mdix</i>	(Optional) Mdx
<i>eth_ratemode</i>	(Optional) Rate mode
<i>eth_swt_monitor</i>	(Optional) Switchport Monitor
<i>eth_ethertype</i>	(Optional) EtherType
<i>eth_eee_state</i>	(Optional) EEE state
<i>eth_admin_fec_state</i>	(Optional) Admin FEC state
<i>eth_oper_fec_state</i>	(Optional) Oper FEC state
<i>eth_members</i>	(Optional) Members in this channel
<i>eth_link_flapped</i>	(Optional) Last link flapped
<i>eth_clear_counters</i>	(Optional) Last clearing of show interface counters
<i>eth_reset_cntr</i>	(Optional) Interface resets
<i>eth_load_interval1_rx</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate1_bits</i>	(Optional) interval 1 input rate bits/sec
<i>eth_inrate1_pkts</i>	(Optional) interval 1 input rate pkts/sec
<i>eth_load_interval1_tx</i>	(Optional) interval 1 timer value in sec
<i>eth_outrate1_bits</i>	(Optional) interval 1 output rate bits/sec
<i>eth_outrate1_pkts</i>	(Optional) interval 1 output rate pkts/sec
<i>eth_inrate1_summary_bits</i>	(Optional) interval 1 input rate bit summary
<i>eth_inrate1_summary_pkts</i>	(Optional) interval 1 input rate pkt summary
<i>eth_outrate1_summary_bits</i>	(Optional) interval 1 output rate bit summary
<i>eth_outrate1_summary_pkts</i>	(Optional) interval 1 output rate pkt summary
<i>eth_load_interval2_rx</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate2_bits</i>	(Optional) interval 2 input rate bits/sec
<i>eth_inrate2_pkts</i>	(Optional) interval 2 input rate pkts/sec

<i>eth_load_interval2_tx</i>	(Optional) interval 2 timer value in sec
<i>eth_outrate2_bits</i>	(Optional) interval 2 output rate bits/sec
<i>eth_outrate2_pkts</i>	(Optional) interval 2 output rate pkts/sec
<i>eth_inrate2_summary_bits</i>	(Optional) interval 2 input rate bit summary
<i>eth_inrate2_summary_pkts</i>	(Optional) interval 2 input rate pkt summary
<i>eth_outrate2_summary_bits</i>	(Optional) interval 2 output rate bit summary
<i>eth_outrate2_summary_pkts</i>	(Optional) interval 2 output rate pkt summary
<i>eth_load_interval3_rx</i>	(Optional) interval 3 timer value in sec
<i>eth_inrate3_bits</i>	(Optional) interval 3 input rate bits/sec
<i>eth_inrate3_pkts</i>	(Optional) interval 3 input rate pkts/sec
<i>eth_load_interval3_tx</i>	(Optional) interval 3 timer value in sec
<i>eth_outrate3_bits</i>	(Optional) interval 3 output rate bits/sec
<i>eth_outrate3_pkts</i>	(Optional) interval 3 output rate pkts/sec
<i>eth_inrate3_summary_bits</i>	(Optional) interval 3 input rate bit summary
<i>eth_inrate3_summary_pkts</i>	(Optional) interval 3 input rate pkt summary
<i>eth_outrate3_summary_bits</i>	(Optional) interval 3 output rate bit summary
<i>eth_outrate3_summary_pkts</i>	(Optional) interval 3 output rate pkt summary
<i>eth_l2_ucastpkts</i>	(Optional) L2 switched ucast pkts
<i>eth_l2_ucastbytes</i>	(Optional) L2 switched ucast bytes
<i>eth_l2_mcastpkts</i>	(Optional) L2 switched mcast pkts
<i>eth_l2_mcastbytes</i>	(Optional) L2 switched mcast bytes
<i>eth_l2_bcastpkts</i>	(Optional) L2 switched bcast pkts
<i>eth_l2_bcastbytes</i>	(Optional) L2 switched bcast bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 in switched ucast pkts
<i>eth_l3in_ucastbytes</i>	(Optional) L3 in switched ucast bytes
<i>eth_l3in_mcastpkts</i>	(Optional) L3 in switched mcast pkts
<i>eth_l3in_mcastbytes</i>	(Optional) L3 in switched mcast bytes
<i>eth_l3in_bcastpkts</i>	(Optional) L3 in switched bcast pkts
<i>eth_l3in_bcastbytes</i>	(Optional) L3 in switched bcast bytes

<i>eth_l3out_ucastpkts</i>	(Optional) L3 out switched ucast pkts
<i>eth_l3out_ucastbytes</i>	(Optional) L3 out switched ucast bytes
<i>eth_l3out_mcastpkts</i>	(Optional) L3 out switched mcast pkts
<i>eth_l3out_mcastbytes</i>	(Optional) L3 out switched mcast bytes
<i>eth_l3out_bcastpkts</i>	(Optional) L3 out switched bcast pkts
<i>eth_l3out_bcastbytes</i>	(Optional) L3 out switched bcast bytes
<i>eth_l3in_routed_pkts</i>	(Optional) L3 in routed pkts
<i>eth_l3in_routed_bytes</i>	(Optional) L3 in routed bytes
<i>eth_l3out_routed_pkts</i>	(Optional) L3 out routed pkts
<i>eth_l3out_routed_bytes</i>	(Optional) L3 out routed bytes
<i>eth_l3avg1_inbytes</i>	(Optional) Load interval 1 L3 average in switched bytes
<i>eth_l3avg1_inpkts</i>	(Optional) Load interval 1 L3 average in switched pkts
<i>eth_l3avg1_outbytes</i>	(Optional) Load interval 1 L3 average out switched bytes
<i>eth_l3avg1_outpkts</i>	(Optional) Load interval 1 L3 average out switched pkts
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_jumbo_inpkts</i>	(Optional) Incoming jumbo pkts
<i>eth_storm_supp</i>	(Optional) storm suppression
<i>eth_runts</i>	(Optional) runts
<i>eth_giants</i>	(Optional) giants
<i>eth_crc</i>	(Optional) CRC
<i>eth_nobuf</i>	(Optional) No buffer received
<i>eth_inerr</i>	(Optional) input errors
<i>eth_frame</i>	(Optional) frame
<i>eth_overrun</i>	(Optional) overrun
<i>eth_underrun</i>	(Optional) underruns

<i>eth_ignored</i>	(Optional) ignored
<i>eth_watchdog</i>	(Optional) watchdog
<i>eth_bad_eth</i>	(Optional) bad ether type drop
<i>eth_bad_proto</i>	(Optional) bad protocol drops
<i>eth_in_ifdown_drops</i>	(Optional) Input if-down drops
<i>eth_dribble</i>	(Optional) input packets with dribble condition
<i>eth_indiscard</i>	(Optional) discards
<i>eth_inpause</i>	(Optional) pause input
<i>eth_stomped_crc</i>	(Optional) Stomped CRC
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outbcast</i>	(Optional) Broadcasts
<i>eth_outpkts</i>	(Optional) packets output
<i>eth_outbytes</i>	(Optional) bytes output
<i>eth_jumbo_outpkts</i>	(Optional) Outgoing jumbo pkts
<i>eth_outerr</i>	(Optional) output errors
<i>eth_coll</i>	(Optional) collisions
<i>eth_deferred</i>	(Optional) deferred
<i>eth_latecoll</i>	(Optional) late collision
<i>eth_lostcarrier</i>	(Optional) lost carrier
<i>eth_nocarrier</i>	(Optional) no carrier
<i>eth_babbles</i>	(Optional) babbles
<i>eth_outdiscard</i>	(Optional) output discard
<i>eth_outpause</i>	(Optional) PAUSE output
<i>switchport</i>	(Optional) Switchport enabled

Command Mode

- /exec

show interface

```
show interface <ifveth> [ __readonly__ TABLE_interface <interface> <state> [ <state_rsn> ] <state_rsn_desc>
[ <desc> ] <veth_hw_desc> <veth_hw_addr> <veth_bia_addr> [ <veth_conn_name> ] [
<veth_conn_dev_name> ] [ <veth_vem_num> ] [ <veth_vmware_dvport_num> ] [ <veth_port_profile> ]
<veth_mode> <veth_inrate_bits> <veth_inrate_pkts> <veth_outrate_bits> <veth_outrate_pkts> <veth_inpkts>
<veth_inucast> <veth_inmcast> <veth_inbcast> <veth_inbytes> <veth_outpkts> <veth_outucast>
<veth_outmcast> <veth_outbcast> <veth_outfloods> <veth_outbytes> <veth_inpktdrops> <veth_outpktdrops>
]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifveth</i>	Enter interface type and number in module/slot format
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
<i>TABLE_interface</i>	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>desc</i>	(Optional) Interface description
<i>veth_hw_desc</i>	(Optional) HW description
<i>veth_hw_addr</i>	(Optional) HW address
<i>veth_bia_addr</i>	(Optional) bia address
<i>veth_conn_name</i>	(Optional) Connectee name
<i>veth_conn_dev_name</i>	(Optional) Connectee device name
<i>veth_vem_num</i>	(Optional) VEM the veth is active on
<i>veth_vmware_dvport_num</i>	(Optional) VMware DVPort number
<i>veth_port_profile</i>	(Optional) Port Profile name
<i>veth_mode</i>	(Optional) Port mode
<i>veth_inrate_bits</i>	(Optional) input rate bits/sec
<i>veth_inrate_pkts</i>	(Optional) input rate pkts/sec
<i>veth_outrate_bits</i>	(Optional) output rate bits/sec

<i>veth_outrate_pkts</i>	(Optional) output rate pkts/sec
<i>veth_inpkts</i>	(Optional) Packets input
<i>veth_inucast</i>	(Optional) Unicasts input
<i>veth_inmcast</i>	(Optional) Multicasts input
<i>veth_inbcast</i>	(Optional) Broadcasts input
<i>veth_inbytes</i>	(Optional) Bytes input
<i>veth_outpkts</i>	(Optional) Packets output
<i>veth_outucast</i>	(Optional) Unicasts output
<i>veth_outmcast</i>	(Optional) Multicasts output
<i>veth_outbcast</i>	(Optional) Broadcasts output
<i>veth_outfloods</i>	(Optional) Flood packets output
<i>veth_outbytes</i>	(Optional) Bytes output
<i>veth_inpktdrops</i>	(Optional) Packet drops input
<i>veth_outpktdrops</i>	(Optional) Packet drops output

Command Mode

- /exec

show interface

```
show interface <ifrange> [ __readonly__ TABLE_interface <interface> <state> <state_rsn> <state_rsn_desc>
<desc> [ <overlay_addr> ] [ <overlay_addr_mask> ] [ <overlay_mtu> ] [ <overlay_bandwidth> ] [
<overlay_encap_str> ] [ <overlay_vrf> ] [ <overlay_src_addr> ] [ <overlay_dst_addr> ] [
<overlay_last_link_flap> ] [ <overlay_clear_counters> ] [ <overlay_load_interval> ] [ <overlay_rx_ucastpkts>
] [ <overlay_rx_ucastbytes> ] [ <overlay_rx_mcastpkts> ] [ <overlay_rx_mcastbytes> ] [ <overlay_rx_pkts>
] [ <overlay_rx_bytes> ] [ <overlay_rx_bcastpkts> ] [ <overlay_rx_bcastbytes> ] [ <overlay_rx_bitrate> ] [
<overlay_rx_pktrate> ] [ <overlay_tx_ucastpkts> ] [ <overlay_tx_ucastbytes> ] [ <overlay_tx_mcastpkts> ]
[ <overlay_tx_mcastbytes> ] [ <overlay_tx_bcastpkts> ] [ <overlay_tx_bcastbytes> ] [ <overlay_tx_pkts> ]
[ <overlay_tx_bytes> ] [ <overlay_tx_bitrate> ] [ <overlay_tx_pktrate> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>desc</i>	(Optional) Interface description
<i>overlay_addr</i>	(Optional) Overlay address
<i>overlay_addr_mask</i>	(Optional) Overlay address mask
<i>overlay_mtu</i>	(Optional) MTU
<i>overlay_bandwidth</i>	(Optional) Bandwidth
<i>overlay_encap_str</i>	(Optional) Encap type
<i>overlay_vrf</i>	(Optional) VRF
<i>overlay_src_addr</i>	(Optional) Source address
<i>overlay_dst_addr</i>	(Optional) Destination address
<i>overlay_last_link_flap</i>	(Optional) Last link flap
<i>overlay_clear_counters</i>	(Optional) Last clearing of show interface counters

<i>overlay_load_interval</i>	(Optional) Load interval
<i>overlay_rx_ucastpkts</i>	(Optional) Received ucast pkts
<i>overlay_rx_ucastbytes</i>	(Optional) Received ucast bytes
<i>overlay_rx_mcastpkts</i>	(Optional) Received mcast pkts
<i>overlay_rx_mcastbytes</i>	(Optional) Received mcast bytes
<i>overlay_rx_bcastpkts</i>	(Optional) Received bcast pkts
<i>overlay_rx_bcastbytes</i>	(Optional) Received bcast bytes
<i>overlay_rx_pkts</i>	(Optional) Total received pkts
<i>overlay_rx_bytes</i>	(Optional) Total received bytes
<i>overlay_rx_bitrate</i>	(Optional) Receive bit rate
<i>overlay_rx_pktrate</i>	(Optional) Receive pkt rate
<i>overlay_tx_ucastpkts</i>	(Optional) Trasnmitted ucast pkts
<i>overlay_tx_ucastbytes</i>	(Optional) Trasnmitted ucast bytes
<i>overlay_tx_mcastpkts</i>	(Optional) Trasnmitted mcast pkts
<i>overlay_tx_mcastbytes</i>	(Optional) Trasnmitted mcast bytes
<i>overlay_tx_bcastpkts</i>	(Optional) Trasnmitted bcast pkts
<i>overlay_tx_bcastbytes</i>	(Optional) Trasnmitted bcast bytes
<i>overlay_tx_pkts</i>	(Optional) Total transmitted pkts
<i>overlay_tx_bytes</i>	(Optional) Total transmitted bytes
<i>overlay_tx_bitrate</i>	(Optional) Transmit bit rate
<i>overlay_tx_pktrate</i>	(Optional) Transmit pkt rate

Command Mode

- /exec

show interface

```
show interface <ifrange> [ __readonly__ TABLE_interface <interface> <state> [ <state_rsn_desc> ] [
<state_rsn> ] [ <admin_state> ] [ <eth_rsn_fac> ] [ <eth_rsn_code> ] [ <share_state> ] [ <vpc_status> ] [
<eth_bundle> ] [ <eth_hw_desc> ] [ <eth_hw_addr> ] [ <eth_bia_addr> ] [ <desc> ] [ <eth_ip_addr> ] [
<eth_ip_mask> ] [ <eth_mtu> ] [ <eth_bw> ] [ <eth_dly> ] [ <eth_reliability> ] [ <eth_txload> ] [ <eth_rxload>
] [ <eth_encap_vlan> ] [ <encapsulation> ] [ <eth_mode> ] [ <eth_duplex> ] [ <eth_speed> ] [ <eth_media>
] [ <eth_beacon> ] [ <eth_autoneg> ] [ <eth_in_flowctrl> ] [ <eth_out_flowctrl> ] [ <eth_mdix> ] [
<eth_ratemode> ] [ <eth_swt_monitor> ] [ <eth_etherstype> ] [ <eth_members> ] [ <eth_link_flapped> ] [
<eth_clear_counters> ] [ <eth_reset_cntr> ] [ <nve_addr> ] [ <nve_addr_mask> ] [ <nve_vcid> ] [ <nve_mtu>
] [ <nve_bandwidth> ] [ <nve_encap_str> ] [ <nve_vrf> ] [ <nve_src_addr> ] [ <nve_dst_addr> ] [
<nve_last_link_flap> ] [ <nve_clear_counters> ] [ <nve_load_interval> ] [ <nve_rx_ucastpkts> ] [
<nve_rx_ucastbytes> ] [ <nve_rx_mcastpkts> ] [ <nve_rx_mcastbytes> ] [ <nve_rx_pkts> ] [ <nve_rx_bytes>
] [ <nve_rx_bcastpkts> ] [ <nve_rx_bcastbytes> ] [ <nve_rx_bitrate> ] [ <nve_rx_pktrate> ] [
<nve_tx_ucastpkts> ] [ <nve_tx_ucastbytes> ] [ <nve_tx_mcastpkts> ] [ <nve_tx_mcastbytes> ] [
<nve_tx_bcastpkts> ] [ <nve_tx_bcastbytes> ] [ <nve_tx_pkts> ] [ <nve_tx_bytes> ] [ <nve_tx_bitrate> ] [
<nve_tx_pktrate> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>state_rsn</i>	(Optional) Interface state reason
<i>admin_state</i>	(Optional) admin state
<i>eth_rsn_fac</i>	(Optional) State reason facility
<i>eth_rsn_code</i>	(Optional) State reason code
<i>share_state</i>	(Optional) Interface ownership
<i>vpc_status</i>	(Optional) VPC status
<i>eth_bundle</i>	(Optional) Belongs to bundle
<i>eth_hw_desc</i>	(Optional) HW description
<i>eth_hw_addr</i>	(Optional) HW address

<i>eth_bia_addr</i>	(Optional) bia address
<i>desc</i>	(Optional) Interface description
<i>eth_ip_addr</i>	(Optional) IP Address
<i>eth_ip_mask</i>	(Optional) IP address mask
<i>eth_mtu</i>	(Optional) MTU
<i>eth_bw</i>	(Optional) Bandwidth
<i>eth_dly</i>	(Optional) Delay
<i>eth_reliability</i>	(Optional) Reliability
<i>eth_txload</i>	(Optional) Tx load
<i>eth_rxload</i>	(Optional) Rx load
<i>eth_encap_vlan</i>	(Optional) Encapsulation Vlan
<i>encapsulation</i>	(Optional) Encapsulation
<i>eth_mode</i>	(Optional) Port mode
<i>eth_duplex</i>	(Optional) Duplex
<i>eth_speed</i>	(Optional) Speed
<i>eth_media</i>	(Optional) Media type
<i>eth_beacon</i>	(Optional) Beacon
<i>eth_autoneg</i>	(Optional) Autonegotiation
<i>eth_in_flowctrl</i>	(Optional) Input flowcontrol
<i>eth_out_flowctrl</i>	(Optional) Output flowcontrol
<i>eth_mdix</i>	(Optional) Mdix
<i>eth_ratemode</i>	(Optional) Rate mode
<i>eth_sw_t_monitor</i>	(Optional) Switchport Monitor
<i>eth_ethertype</i>	(Optional) EtherType
<i>eth_members</i>	(Optional) Members in this channel
<i>eth_link_flapped</i>	(Optional) Last link flapped
<i>eth_clear_counters</i>	(Optional) Last clearing of show interface counters
<i>eth_reset_cntr</i>	(Optional) Interface resets
<i>nve_addr</i>	(Optional) Peer address

<i>nve_addr_mask</i>	(Optional) Peer address mask
<i>nve_vcid</i>	(Optional) VCID
<i>nve_mtu</i>	(Optional) MTU
<i>nve_bandwidth</i>	(Optional) Bandwidth
<i>nve_encap_str</i>	(Optional) Encap type
<i>nve_vrf</i>	(Optional) VRF
<i>nve_src_addr</i>	(Optional) Source address
<i>nve_dst_addr</i>	(Optional) Destination address
<i>nve_last_link_flap</i>	(Optional) Last link flap
<i>nve_clear_counters</i>	(Optional) Last clearing of show interface counters
<i>nve_load_interval</i>	(Optional) Load interval
<i>nve_rx_ucastpkts</i>	(Optional) Received ucast pkts
<i>nve_rx_ucastbytes</i>	(Optional) Received ucast bytes
<i>nve_rx_mcastpkts</i>	(Optional) Received mcast pkts
<i>nve_rx_mcastbytes</i>	(Optional) Received mcast bytes
<i>nve_rx_bcastpkts</i>	(Optional) Received bcast pkts
<i>nve_rx_bcastbytes</i>	(Optional) Received bcast bytes
<i>nve_rx_pkts</i>	(Optional) Total received pkts
<i>nve_rx_bytes</i>	(Optional) Total received bytes
<i>nve_rx_bitrate</i>	(Optional) Receive bit rate
<i>nve_rx_pktrate</i>	(Optional) Receive pkt rate
<i>nve_tx_ucastpkts</i>	(Optional) Trasnmitted ucast pkts
<i>nve_tx_ucastbytes</i>	(Optional) Trasnmitted ucast bytes
<i>nve_tx_mcastpkts</i>	(Optional) Trasnmitted mcast pkts
<i>nve_tx_mcastbytes</i>	(Optional) Trasnmitted mcast bytes
<i>nve_tx_bcastpkts</i>	(Optional) Trasnmitted bcast pkts
<i>nve_tx_bcastbytes</i>	(Optional) Trasnmitted bcast bytes
<i>nve_tx_pkts</i>	(Optional) Total transmitted pkts
<i>nve_tx_bytes</i>	(Optional) Total transmitted bytes

<i>nve_tx_bitrate</i>	(Optional) Transmit bit rate
<i>nve_tx_pktrate</i>	(Optional) Transmit pkt rate

Command Mode

- /exec

show interface aggregate-counters

```
show interface <ifid_aggr_ctrs> aggregate-counters [ brief ] [ __readonly__ TABLE_interface <interface_aggr>
[ <str_aggr> ] [ <if_index_aggr> ] [ <in_bps_aggr> ] [ <in_byps_aggr> ] [ <in_fps_aggr> ] [ <out_bps_aggr> ]
[ <out_byps_aggr> ] [ <out_fps_aggr> ] [ <total_in_frames_aggr> ] [ <total_in_bytes_aggr> ] [
<C2InFrames_aggr> ] [ <C2InOctets_aggr> ] [ <C3InFrames_aggr> ] [ <C3InOctets_aggr> ] [
<CfInFrames_aggr> ] [ <CfInOctets_aggr> ] [ <total_in_discards_aggr> ] [ <total_in_errors_aggr> ] [
<InvalidCrcs_aggr> ] [ <UnknownClassFrames_aggr> ] [ <FramesTooLong_aggr> ] [ <FramesTooShort_aggr> ]
[ <total_out_frames_aggr> ] [ <total_out_bytes_aggr> ] [ <C2OutFrames_aggr> ] [ <C2OutOctets_aggr> ]
[ <C3OutFrames_aggr> ] [ <C3OutOctets_aggr> ] [ <CfOutFrames_aggr> ] [ <CfOutOctets_aggr> ] [
<total_out_discards_aggr> ] [ <total_out_errors_aggr> ] [ <OlsIns_aggr> ] [ <LRRIn_aggr> ] [ <NOSIn_aggr> ]
[ <in_lip_aggr> ] [ <OlsOuts_aggr> ] [ <LRROut_aggr> ] [ <NOSOut_aggr> ] [ <out_lip_aggr> ] [
<LinkFailures_aggr> ] [ <SyncLosses_aggr> ] [ <SigLosses_aggr> ] [ <TxBBCreditTransistionToZero_aggr> ]
[ <RxBBCreditTransistionToZero_aggr> ] [ <rx_b2b_perf_buff> ] [ <rx_b2b_credit> ] [ <tx_b2b_credit> ]
[ <tx_b2b_low_pri_cre> ] [ <InputRate_aggr_brief> ] [ <TotalIpFrame_aggr_brief> ] [ <OutRate_aggr_brief> ]
[ <TotalOpFrame_aggr_brief> ] [ <line_aggr_brief> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_aggr_ctrs</i>	Enter interface type and number in module/slot format
aggregate-counters	Show interface aggregate counters
brief	(Optional) Show interface aggregate counters in brief
<u>__readonly__</u>	(Optional) Read Only
<i>interface_aggr</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>str_aggr</i>	(Optional) string
<i>if_index_aggr</i>	(Optional) index
<i>in_bps_aggr</i>	(Optional) input rate in bits/s
<i>in_byps_aggr</i>	(Optional) input rate in bytes/s
<i>in_fps_aggr</i>	(Optional) input rate in frames/s
<i>out_bps_aggr</i>	(Optional) output rate in bits/s
<i>out_byps_aggr</i>	(Optional) output rate in bytes/s
<i>out_fps_aggr</i>	(Optional) output rate in frames/s
<i>total_in_frames_aggr</i>	(Optional) total input frames
<i>total_in_bytes_aggr</i>	(Optional) total input frames

<i>C2InFrames_aggr</i>	(Optional) class-2 frames
<i>C2InOctets_aggr</i>	(Optional) class-2 frames in bytes
<i>C3InFrames_aggr</i>	(Optional) class-3 frames
<i>C3InOctets_aggr</i>	(Optional) class-3 frames in bytes
<i>CfInFrames_aggr</i>	(Optional) class-f frames
<i>CfInOctets_aggr</i>	(Optional) class-f frames in bytes
<i>total_in_discards_aggr</i>	(Optional) total in discards
<i>total_in_errors_aggr</i>	(Optional) total in errors
<i>InvalidCrcs_aggr</i>	(Optional) invalid CRC
<i>UnknownClassFrames_aggr</i>	(Optional) unknown class
<i>FramesTooLong_aggr</i>	(Optional) too long
<i>FramesTooShort_aggr</i>	(Optional) too short
<i>total_out_frames_aggr</i>	(Optional) total out frames
<i>total_out_bytes_aggr</i>	(Optional) total out frames in byte
<i>C2OutFrames_aggr</i>	(Optional) class-2 out frames
<i>C2OutOctets_aggr</i>	(Optional) class-2 out frames in bytes
<i>C3OutFrames_aggr</i>	(Optional) class-3 out frames
<i>C3OutOctets_aggr</i>	(Optional) class-3 out frames in bytes
<i>CfOutFrames_aggr</i>	(Optional) class-f out frames
<i>CfOutOctets_aggr</i>	(Optional) class-f out frames in bytes
<i>total_out_discards_aggr</i>	(Optional) total out discards
<i>total_out_errors_aggr</i>	(Optional) total out errors
<i>OlsIns_aggr</i>	(Optional) input OLS
<i>LRRIn_aggr</i>	(Optional) input LRR
<i>NOSIn_aggr</i>	(Optional) input NOS
<i>in_lip_aggr</i>	(Optional) loop inits
<i>OlsOuts_aggr</i>	(Optional) output OLS
<i>LRROut_aggr</i>	(Optional) output LRR
<i>NOSOut_aggr</i>	(Optional) output NOS

<i>out_lip_aggr</i>	(Optional) loop inits
<i>LinkFailures_aggr</i>	(Optional) link failure
<i>SyncLosses_aggr</i>	(Optional) sync losses
<i>SigLosses_aggr</i>	(Optional) signal losses
<i>TxBBCreditTransistionToZero_aggr</i>	(Optional) B2B credit transitions to zero
<i>RxBBCreditTransistionToZero_aggr</i>	(Optional) B2B credit transitions to zero
<i>rx_b2b_perf_buff</i>	(Optional) rx B2B performance buff
<i>rx_b2b_credit</i>	(Optional) rx B2B credit
<i>tx_b2b_credit</i>	(Optional) tx B2B credit
<i>tx_b2b_low_pri_cre</i>	(Optional) tx B2B low price credit
<i>InputRate_aggr_brief</i>	(Optional) Input rate in MBps
<i>TotalIpFrame_aggr_brief</i>	(Optional) Total input frames
<i>OutRate_aggr_brief</i>	(Optional) Output rate in MBps
<i>TotalOpFrame_aggr_brief</i>	(Optional) Total output frames
<i>line_aggr_brief</i>	(Optional) to print a line

Command Mode

- /exec

show interface aggregate-counters

```
show interface aggregate-counters [ brief ] [ __readonly__ TABLE_interface <interface_aggr> [ <str_aggr>
] [ <if_index_aggr> ] [ <in_bps_aggr> ] [ <in_byps_aggr> ] [ <in_fps_aggr> ] [ <out_bps_aggr> ] [
<out_byps_aggr> ] [ <out_fps_aggr> ] [ <total_in_frames_aggr> ] [ <total_in_bytes_aggr> ] [
<C2InFrames_aggr> ] [ <C2InOctets_aggr> ] [ <C3InFrames_aggr> ] [ <C3InOctets_aggr> ] [
<CfInFrames_aggr> ] [ <CfInOctets_aggr> ] [ <total_in_discards_aggr> ] [ <total_in_errors_aggr> ] [
<InvalidCrcs_aggr> ] [ <UnknownClassFrames_aggr> ] [ <FramesTooLong_aggr> ] [ <FramesTooShort_aggr>
] [ <total_out_frames_aggr> ] [ <total_out_bytes_aggr> ] [ <C2OutFrames_aggr> ] [ <C2OutOctets_aggr> ]
[ <C3OutFrames_aggr> ] [ <C3OutOctets_aggr> ] [ <CfOutFrames_aggr> ] [ <CfOutOctets_aggr> ] [
<total_out_discards_aggr> ] [ <total_out_errors_aggr> ] [ <OlsIns_aggr> ] [ <LRRIn_aggr> ] [ <NOSIn_aggr>
] [ <in_lip_aggr> ] [ <OlsOuts_aggr> ] [ <LRROut_aggr> ] [ <NOSOut_aggr> ] [ <out_lip_aggr> ] [
<LinkFailures_aggr> ] [ <SyncLosses_aggr> ] [ <SigLosses_aggr> ] [ <TxBBCreditTransistionToZero_aggr>
] [ <RxBBCreditTransistionToZero_aggr> ] [ <rx_b2b_perf_buff> ] [ <rx_b2b_credit> ] [ <tx_b2b_credit>
] [ <tx_b2b_low_pri_cre> ] [ <InputRate_aggr_brief> ] [ <TotalIpFrame_aggr_brief> ] [ <OutRate_aggr_brief>
] [ <TotalOpFrame_aggr_brief> ] [ <line_aggr_brief> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
aggregate-counters	Show interface aggregate counters
brief	(Optional) Show interface aggregate counters in brief
__readonly__	(Optional) Read Only
<i>interface_aggr</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>str_aggr</i>	(Optional) string
<i>if_index_aggr</i>	(Optional) index
<i>in_bps_aggr</i>	(Optional) input rate in bits/s
<i>in_byps_aggr</i>	(Optional) input rate in bytes/s
<i>in_fps_aggr</i>	(Optional) input rate in frames/s
<i>out_bps_aggr</i>	(Optional) output rate in bits/s
<i>out_byps_aggr</i>	(Optional) output rate in bytes/s
<i>out_fps_aggr</i>	(Optional) output rate in frames/s
<i>total_in_frames_aggr</i>	(Optional) total input frames
<i>total_in_bytes_aggr</i>	(Optional) total input frames
<i>C2InFrames_aggr</i>	(Optional) class-2 frames

<i>C2InOctets_aggr</i>	(Optional) class-2 frames in bytes
<i>C3InFrames_aggr</i>	(Optional) class-3 frames
<i>C3InOctets_aggr</i>	(Optional) class-3 frames in bytes
<i>CfInFrames_aggr</i>	(Optional) class-f frames
<i>CfInOctets_aggr</i>	(Optional) class-f frames in bytes
<i>total_in_discards_aggr</i>	(Optional) total in discards
<i>total_in_errors_aggr</i>	(Optional) total in errors
<i>InvalidCrcs_aggr</i>	(Optional) invalid CRC
<i>UnknownClassFrames_aggr</i>	(Optional) unknown class
<i>FramesTooLong_aggr</i>	(Optional) too long
<i>FramesTooShort_aggr</i>	(Optional) too short
<i>total_out_frames_aggr</i>	(Optional) total out frames
<i>total_out_bytes_aggr</i>	(Optional) total out frames in byte
<i>C2OutFrames_aggr</i>	(Optional) class-2 out frames
<i>C2OutOctets_aggr</i>	(Optional) class-2 out frames in bytes
<i>C3OutFrames_aggr</i>	(Optional) class-3 out frames
<i>C3OutOctets_aggr</i>	(Optional) class-3 out frames in bytes
<i>CfOutFrames_aggr</i>	(Optional) class-f out frames
<i>CfOutOctets_aggr</i>	(Optional) class-f out frames in bytes
<i>total_out_discards_aggr</i>	(Optional) total out discards
<i>total_out_errors_aggr</i>	(Optional) total out errors
<i>OlsIns_aggr</i>	(Optional) input OLS
<i>LRRIn_aggr</i>	(Optional) input LRR
<i>NOSIn_aggr</i>	(Optional) input NOS
<i>in_lip_aggr</i>	(Optional) loop inits
<i>OlsOuts_aggr</i>	(Optional) output OLS
<i>LRROut_aggr</i>	(Optional) output LRR
<i>NOSOut_aggr</i>	(Optional) output NOS
<i>out_lip_aggr</i>	(Optional) loop inits

<i>LinkFailures_aggr</i>	(Optional) link failure
<i>SyncLosses_aggr</i>	(Optional) sync losses
<i>SigLosses_aggr</i>	(Optional) signal losses
<i>TxBBCreditTransistionToZero_aggr</i>	(Optional) B2B credit transitions to zero
<i>RxBBCreditTransistionToZero_aggr</i>	(Optional) B2B credit transitions to zero
<i>rx_b2b_perf_buff</i>	(Optional) rx B2B performance buff
<i>rx_b2b_credit</i>	(Optional) rx B2B credit
<i>tx_b2b_credit</i>	(Optional) tx B2B credit
<i>tx_b2b_low_pri_cre</i>	(Optional) tx B2B low price credit
<i>InputRate_aggr_brief</i>	(Optional) Input rate in MBps
<i>TotalIpFrame_aggr_brief</i>	(Optional) Total input frames
<i>OutRate_aggr_brief</i>	(Optional) Output rate in MBps
<i>TotalOpFrame_aggr_brief</i>	(Optional) Total output frames
<i>line_aggr_brief</i>	(Optional) to print a line

Command Mode

- /exec

show interface bbcredit

```
show interface <ifid_bbcrd> bbcredit [ __readonly__ TABLE_interface [ <interface_sfp> <state> [
<down_reason> ] [ <transmit_b2b> ] [ <receive_b2b> ] [ <rx_b2b_perf_buff> ] [ <rx_b2b_credit> ] [
<tx_b2b_credit> ] [ <tx_b2b_low_pri_cre> ] ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_bbcrd</i>	Enter interface type and number in module/slot format
bbcredit	Show BB_credit information for interface
<i>__readonly__</i>	(Optional) Read Only
<i>interface_sfp</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) State
<i>down_reason</i>	(Optional) Reason for interface being down
<i>transmit_b2b</i>	(Optional) Transmit B2B
<i>receive_b2b</i>	(Optional) Receive B2B
<i>rx_b2b_perf_buff</i>	(Optional) RX B2B performance buffer
<i>rx_b2b_credit</i>	(Optional) RX B2B credit remaining
<i>tx_b2b_credit</i>	(Optional) TX B2B credit remaining
<i>tx_b2b_low_pri_cre</i>	(Optional) TX B2B low priority Credit

Command Mode

- /exec

show interface brief

```
show interface <ifrange> brief [ __readonly__ TABLE_interface <interface> <state> [ <state_rsn> ] [
<state_rsn_desc> ] [ <overlay_mtu> ] [ <overlay_bandwidth> ] [ <overlay_vrf> ] [ <overlay_src_addr> ] [
<overlay_dst_addr> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
brief	Show brief info of interface
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>overlay_mtu</i>	(Optional) MTU
<i>overlay_bandwidth</i>	(Optional) Bandwidth
<i>overlay_vrf</i>	(Optional) VRF
<i>overlay_src_addr</i>	(Optional) Source address
<i>overlay_dst_addr</i>	(Optional) Destination address

Command Mode

- /exec

show interface brief

```

show interface <fid_brf> brief [ __readonly__ { TABLE_interface <interface> [ <desc> ] [ <svi_if_index>
] [ <svi_admin_state> ] [ <oper_state> ] [ <svi_rsn_desc> ] [ <svi_line_proto> ] [ <svi_hw> ] [ <svi_mac> ]
[ <svi_desc> ] [ <svi_ip_addr> ] [ <svi_ip_mask> ] [ <svi_mtu> ] [ <svi_bw> ] [ <svi_delay> ] [ <vlan_id>
] [ <type> ] ] [ <svi_tx_load> ] [ <svi_rx_load> ] ] [ <svi_carrier_delay_sec> ] [ <svi_carrier_delay_msec>
] [ <svi_arp_type> ] [ <svi_arp_timeout> ] ] [ <svi_time_last_cleared> ] ] [ { TABLE_secondary_vlan
<sec_vlan> <sec_vlan_type> } ] [ <eth_load_interval1_rx> ] [ <eth_inrate1_bits> ] [ <eth_inrate1_pkts> ]
[ <eth_load_interval1_tx> ] [ <eth_outrate1_bits> ] [ <eth_outrate1_pkts> ] [ <eth_inrate1_summary_bits>
] [ <eth_inrate1_summary_pkts> ] [ <eth_outrate1_summary_bits> ] [ <eth_outrate1_summary_pkts> ] [
<eth_load_interval2_rx> ] [ <eth_inrate2_bits> ] [ <eth_inrate2_pkts> ] [ <eth_load_interval2_tx> ] [
<eth_outrate2_bits> ] [ <eth_outrate2_pkts> ] [ <eth_inrate2_summary_bits> ] [ <eth_inrate2_summary_pkts>
] [ <eth_outrate2_summary_bits> ] [ <eth_outrate2_summary_pkts> ] [ <eth_load_interval3_rx> ] [
<eth_inrate3_bits> ] [ <eth_inrate3_pkts> ] [ <eth_load_interval3_tx> ] [ <eth_outrate3_bits> ] [
<eth_outrate3_pkts> ] [ <eth_inrate3_summary_bits> ] [ <eth_inrate3_summary_pkts> ] [
<eth_outrate3_summary_bits> ] [ <eth_outrate3_summary_pkts> ] [ <eth_l2_ucastpkts> ] [ <eth_l2_ucastbytes>
] [ <eth_l2_mcastpkts> ] [ <eth_l2_mcastbytes> ] [ <eth_l2_bcastpkts> ] [ <eth_l2_bcastbytes> ] [
<eth_l3in_ucastpkts> ] [ <eth_l3in_ucastbytes> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_mcastbytes> ] [
<eth_l3in_bcastpkts> ] [ <eth_l3in_bcastbytes> ] [ <eth_l3out_ucastpkts> ] [ <eth_l3out_ucastbytes> ] [
<eth_l3out_mcastpkts> ] [ <eth_l3out_mcastbytes> ] [ <eth_l3out_bcastpkts> ] [ <eth_l3out_bcastbytes> ] [
<eth_l3in_routed_pkts> ] [ <eth_l3in_routed_bytes> ] [ <eth_l3out_routed_pkts> ] [ <eth_l3out_routed_bytes>
] [ <eth_l3avg1_inbytes> ] [ <eth_l3avg1_inpkts> ] [ <eth_l3avg1_outbytes> ] [ <eth_l3avg1_outpkts> ] [
<eth_l3avg2_inbytes> ] [ <eth_l3avg2_inpkts> ] [ <eth_l3avg2_outbytes> ] [ <eth_l3avg2_outpkts> ] [
<eth_l3avg3_inbytes> ] [ <eth_l3avg3_inpkts> ] [ <eth_l3avg3_outbytes> ] [ <eth_l3avg3_outpkts> ] [
<eth_inpkts> ] [ <eth_inbytes> ] [ <eth_nobuf> ] [ <eth_inbcast> ] [ <eth_inmcast> ] [ <eth_inucast> ] [
<eth_ingiants> ] [ <eth_ipmcast> ] [ <eth_inhw_switched> ] [ <eth_insw_switched> ] [ <eth_runts> ] [
<eth_storm_supp> ] [ <eth_throtles> ] [ <eth_inerr> ] [ <eth_crc> ] [ <eth_ecc> ] [ <eth_frame> ] [
<eth_overrun> ] [ <eth_ignored> ] [ <eth_watchdog> ] [ <eth_outbcast> ] [ <eth_outmcast> ] [ <eth_outucast>
] [ <eth_outgiants> ] [ <eth_inpause> ] [ <eth_dribble> ] [ <eth_in_ifdown_drops> ] [ <eth_bad_eth> ] [
<eth_bad_proto> ] [ <eth_outpkts> ] [ <eth_outbytes> ] [ <eth_underrun> ] [ <eth_outhw_switched> ] [
<eth_outsw_switched> ] [ <eth_outerr> ] [ <eth_coll> ] [ <eth_resets> ] [ <eth_babbles> ] [ <eth_latecoll> ]
[ <eth_deferred> ] [ <eth_lostcarrier> ] [ <eth_nocarrier> ] [ <eth_outpause> ] [ <eth_buffail> ] [
<eth_bufswapped> ] [ <eth_arpdrops> ] [ <eth_out_ifdown_drops> ] [ <eth_single_coll> ] [ <eth_multi_coll>
] [ <eth_excess_coll> ] [ <eth_jabbers> ] [ <eth_shortframe> ] [ <eth_indiscard> ] [ <eth_bad_encap> ] [
<eth_outcrc> ] [ <eth_symbol> ] [ <eth_out_drops> ] [ <eth_sqetest> ] [ <eth_inb64> ] [ <eth_inb65_127>
] [ <eth_inb128_255> ] [ <eth_inb256_511> ] [ <eth_inb512_1023> ] [ <eth_inb1024_1518> ] [
<eth_inb1519_1548> ] [ <eth_inb1519_2500> ] [ <eth_intrunk> ] [ <eth_outb64> ] [ <eth_outb65_127> ] [
<eth_outb128_255> ] [ <eth_outb256_511> ] [ <eth_outb512_1023> ] [ <eth_outb1024_1518> ] [
<eth_outb1519_1548> ] [ <eth_outb1519_2500> ] [ <eth_outtrunk> ] [ <eth_bpdu_outlost> ] [
<eth_cos0_outlost> ] [ <eth_cos1_outlost> ] [ <eth_cos2_outlost> ] [ <eth_cos3_outlost> ] [ <eth_cos4_outlost>
] [ <eth_cos5_outlost> ] [ <eth_cos6_outlost> ] [ <eth_cos7_outlost> ] [ <eth_fcoe_in_pkts> ] [
<eth_fcoe_in_octets> ] [ <eth_fcoe_out_pkts> ] [ <eth_fcoe_out_octets> ] [ <eth_nfcoe_in_pkts> ] [
<eth_nfcoe_in_octets> ] [ <eth_nfcoe_out_pkts> ] [ <eth_nfcoe_out_octets> ] [ <eth_eee_atx_lpi_msec> ] [
<eth_eee_arcv_lpi_msec> ] [ <eth_eee_atx_lpi_transitions> ] [ <eth_eee_arcv_lpi_transitions> ] [
<eth_phy_ber_count> ] [ <eth_phy_errblks_count> ] [ <eth_tx_frm_error> ] [ <eth_rx_toolong> ] [
<eth_rx_undersize> ] [ <eth_rx_fragment> ] [ <eth_rx_crcerr_not_stomped> ] [ <eth_rx_crcerr_stomped> ]
[ <eth_rx_inrangeerr> ] ] [ <svi_routed_pkts_in> ] [ <svi_routed_bytes_in> ] [ <svi_routed_pkts_out> ] [
<svi_routed_bytes_out> ] [ <svi_ucast_pkts_in> ] [ <svi_ucast_bytes_in> ] [ <svi_mcast_pkts_in> ] [
<svi_mcast_bytes_in> ] [ <svi_ucast_pkts_out> ] [ <svi_ucast_bytes_out> ] [ <svi_mcast_pkts_out> ] [
<svi_mcast_bytes_out> ] [ <svi_ipv4_ucast_pkts_in> ] [ <svi_ipv4_ucast_bytes_in> ] [

```

```
<svi_ipv4_ucast_pkts_out> ][ <svi_ipv4_ucast_bytes_out> ][ <svi_ipv4_mcast_pkts_in> ][
<svi_ipv4_mcast_bytes_in> ][ <svi_ipv4_mcast_pkts_out> ][ <svi_ipv4_mcast_bytes_out> ][
<svi_ipv6_ucast_pkts_in> ][ <svi_ipv6_ucast_bytes_in> ][ <svi_ipv6_ucast_pkts_out> ][
<svi_ipv6_ucast_bytes_out> ][ <svi_ipv6_mcast_pkts_in> ][ <svi_ipv6_mcast_bytes_in> ][
<svi_ipv6_mcast_pkts_out> ][ <svi_ipv6_mcast_bytes_out> ][ <svi_average_input_bits> ][
<svi_average_input_packets> ][ <svi_average_output_bits> ][ <svi_average_output_packets> ][
<svi_rate_in_mins> ]][ [ <svi_reliability> ] ][ <switchport> ] } }
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface
<u>__readonly__</u>	(Optional) Read Only
TABLE_interface	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>desc</i>	(Optional) Interface description
<i>svi_if_index</i>	(Optional) Interface
<i>svi_admin_state</i>	(Optional)
<i>oper_state</i>	(Optional)
<i>svi_rsn_desc</i>	(Optional) Interface state reason detailed
<i>svi_line_proto</i>	(Optional)
<i>svi_hw</i>	(Optional) Hardware
<i>svi_mac</i>	(Optional) Address
<i>svi_desc</i>	(Optional) Interface Description
<i>svi_ip_addr</i>	(Optional) IP Address
<i>svi_ip_mask</i>	(Optional) IP address mask
<i>svi_mtu</i>	(Optional) MTU size in bytes
<i>svi_bw</i>	(Optional) Bandwidth in kilobits
<i>svi_delay</i>	(Optional) Throughput delay (tens of microseconds)
<i>vlan_id</i>	(Optional) Vlan
<i>type</i>	(Optional) type
<i>svi_tx_load</i>	(Optional) Tx Load

<i>svi_rx_load</i>	(Optional) Rx Load
<i>svi_carrier_delay_sec</i>	(Optional) carrier delay value in seconds
<i>svi_carrier_delay_msec</i>	(Optional) carrier delay value in milli-seconds
<i>svi_arp_type</i>	(Optional) ARP type
<i>svi_arp_timeout</i>	(Optional) ARP timeout value
<i>svi_time_last_cleared</i>	(Optional) Time last cleared
TABLE_secondary_vlan	(Optional) Secondary vlan
<i>sec_vlan</i>	(Optional) Secondary vlan ID
<i>sec_vlan_type</i>	(Optional) Secondary vlan type
<i>eth_load_interval1_rx</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate1_bits</i>	(Optional) interval 1 input rate bits/sec
<i>eth_inrate1_pkts</i>	(Optional) interval 1 input rate pkts/sec
<i>eth_load_interval1_tx</i>	(Optional) interval 1 timer value in sec
<i>eth_outrate1_bits</i>	(Optional) interval 1 output rate bits/sec
<i>eth_outrate1_pkts</i>	(Optional) interval 1 output rate pkts/sec
<i>eth_inrate1_summary_bits</i>	(Optional) interval 1 input rate bit summary
<i>eth_inrate1_summary_pkts</i>	(Optional) interval 1 input rate pkt summary
<i>eth_outrate1_summary_bits</i>	(Optional) interval 1 output rate bit summary
<i>eth_outrate1_summary_pkts</i>	(Optional) interval 1 output rate pkt summary
<i>eth_load_interval2_rx</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate2_bits</i>	(Optional) interval 2 input rate bits/sec
<i>eth_inrate2_pkts</i>	(Optional) interval 2 input rate pkts/sec
<i>eth_load_interval2_tx</i>	(Optional) interval 2 timer value in sec
<i>eth_outrate2_bits</i>	(Optional) interval 2 output rate bits/sec
<i>eth_outrate2_pkts</i>	(Optional) interval 2 output rate pkts/sec
<i>eth_inrate2_summary_bits</i>	(Optional) interval 2 input rate bit summary
<i>eth_inrate2_summary_pkts</i>	(Optional) interval 2 input rate pkt summary
<i>eth_outrate2_summary_bits</i>	(Optional) interval 2 output rate bit summary
<i>eth_outrate2_summary_pkts</i>	(Optional) interval 2 output rate pkt summary

<i>eth_load_interval3_rx</i>	(Optional) interval 3 timer value in sec
<i>eth_inrate3_bits</i>	(Optional) interval 3 input rate bits/sec
<i>eth_inrate3_pkts</i>	(Optional) interval 3 input rate pkts/sec
<i>eth_load_interval3_tx</i>	(Optional) interval 3 timer value in sec
<i>eth_outrate3_bits</i>	(Optional) interval 3 output rate bits/sec
<i>eth_outrate3_pkts</i>	(Optional) interval 3 output rate pkts/sec
<i>eth_inrate3_summary_bits</i>	(Optional) interval 3 input rate bit summary
<i>eth_inrate3_summary_pkts</i>	(Optional) interval 3 input rate pkt summary
<i>eth_outrate3_summary_bits</i>	(Optional) interval 3 output rate bit summary
<i>eth_outrate3_summary_pkts</i>	(Optional) interval 3 output rate pkt summary
<i>eth_l2_ucastpkts</i>	(Optional) L2 switched ucast pkts
<i>eth_l2_ucastbytes</i>	(Optional) L2 switched ucast bytes
<i>eth_l2_mcastpkts</i>	(Optional) L2 switched mcast pkts
<i>eth_l2_mcastbytes</i>	(Optional) L2 switched mcast bytes
<i>eth_l2_bcastpkts</i>	(Optional) L2 switched bcast pkts
<i>eth_l2_bcastbytes</i>	(Optional) L2 switched bcast bytes
<i>eth_l3in_ucastpkts</i>	(Optional) IPv4 L3 in switched ucast pkts
<i>eth_l3in_ucastbytes</i>	(Optional) IPv4 L3 in switched ucast bytes
<i>eth_l3in_mcastpkts</i>	(Optional) IPv4 L3 in switched mcast pkts
<i>eth_l3in_mcastbytes</i>	(Optional) IPv4 L3 in switched mcast bytes
<i>eth_l3in_bcastpkts</i>	(Optional) L3 in switched bcast pkts
<i>eth_l3in_bcastbytes</i>	(Optional) L3 in switched bcast bytes
<i>eth_l3out_ucastpkts</i>	(Optional) IPv4 L3 out switched ucast pkts
<i>eth_l3out_ucastbytes</i>	(Optional) IPv4 L3 out switched ucast bytes
<i>eth_l3out_mcastpkts</i>	(Optional) IPv4 L3 out switched mcast pkts
<i>eth_l3out_mcastbytes</i>	(Optional) IPv4 L3 out switched mcast bytes
<i>eth_l3out_bcastpkts</i>	(Optional) L3 out switched bcast pkts
<i>eth_l3out_bcastbytes</i>	(Optional) L3 out switched bcast bytes
<i>eth_l3in_routed_pkts</i>	(Optional) L3 in routed pkts

<i>eth_l3in_routed_bytes</i>	(Optional) L3 in routed bytes
<i>eth_l3out_routed_pkts</i>	(Optional) L3 out routed pkts
<i>eth_l3out_routed_bytes</i>	(Optional) L3 out routed bytes
<i>eth_l3avg1_inbytes</i>	(Optional) Load interval 1 L3 average in switched bytes
<i>eth_l3avg1_inpkts</i>	(Optional) Load interval 1 L3 average in switched pkts
<i>eth_l3avg1_outbytes</i>	(Optional) Load interval 1 L3 average out switched bytes
<i>eth_l3avg1_outpkts</i>	(Optional) Load interval 1 L3 average out switched pkts
<i>eth_l3avg2_inbytes</i>	(Optional) Load interval 2 L3 average in switched bytes
<i>eth_l3avg2_inpkts</i>	(Optional) Load interval 2 L3 average in switched pkts
<i>eth_l3avg2_outbytes</i>	(Optional) Load interval 2 L3 average out switched bytes
<i>eth_l3avg2_outpkts</i>	(Optional) Load interval 2 L3 average out switched pkts
<i>eth_l3avg3_inbytes</i>	(Optional) Load interval 3 L3 average in switched bytes
<i>eth_l3avg3_inpkts</i>	(Optional) Load interval 3 L3 average in switched pkts
<i>eth_l3avg3_outbytes</i>	(Optional) Load interval 3 L3 average out switched bytes
<i>eth_l3avg3_outpkts</i>	(Optional) Load interval 3 L3 average out switched pkts
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_nobuf</i>	(Optional) No buffer received
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_ingiants</i>	(Optional) giants
<i>eth_ipmcast</i>	(Optional) IP multicast
<i>eth_inhw_switched</i>	(Optional) Input H/W Switched
<i>eth_insw_switched</i>	(Optional) Input S/W Switched
<i>eth_runts</i>	(Optional) runts
<i>eth_storm_supp</i>	(Optional) storm suppression
<i>eth_throtles</i>	(Optional) throttles
<i>eth_inerr</i>	(Optional) input errors

<i>eth_crc</i>	(Optional) CRC
<i>eth_ecc</i>	(Optional) ECC
<i>eth_frame</i>	(Optional) frame
<i>eth_overrun</i>	(Optional) overrun
<i>eth_ignored</i>	(Optional) ignored
<i>eth_watchdog</i>	(Optional) watchdog
<i>eth_outbcast</i>	(Optional) Broadcasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outgiants</i>	(Optional) giants
<i>eth_inpause</i>	(Optional) pause input
<i>eth_dribble</i>	(Optional) input packets with dribble condition
<i>eth_in_ifdown_drops</i>	(Optional) Input if-down drops
<i>eth_bad_eth</i>	(Optional) bad ether type drop
<i>eth_bad_proto</i>	(Optional) bad protocol drops
<i>eth_outpkts</i>	(Optional) packets output
<i>eth_outbytes</i>	(Optional) bytes output
<i>eth_underrun</i>	(Optional) underruns
<i>eth_outhw_switched</i>	(Optional) Out H/W Switched
<i>eth_outsw_switched</i>	(Optional) Out S/W Switched
<i>eth_outerr</i>	(Optional) output errors
<i>eth_coll</i>	(Optional) collisions
<i>eth_resets</i>	(Optional) interface resets
<i>eth_babbles</i>	(Optional) babbles
<i>eth_latecoll</i>	(Optional) late collision
<i>eth_deferred</i>	(Optional) deferred
<i>eth_lostcarrier</i>	(Optional) lost carrier
<i>eth_nocarrier</i>	(Optional) no carrier
<i>eth_outpause</i>	(Optional) PAUSE output

<i>eth_buffail</i>	(Optional) output buffer failures
<i>eth_bufswapped</i>	(Optional) output buffers swapped out
<i>eth_arpdrops</i>	(Optional) arp drops
<i>eth_out_ifdown_drops</i>	(Optional) Output if-down drops
<i>eth_single_coll</i>	(Optional) single collisions
<i>eth_multi_coll</i>	(Optional) multi collisions
<i>eth_excess_coll</i>	(Optional) excessive collisions
<i>eth_jabbers</i>	(Optional) jabbers
<i>eth_shortframe</i>	(Optional) short frames
<i>eth_indiscard</i>	(Optional) discards
<i>eth_bad_encap</i>	(Optional) bad encapsulation
<i>eth_outcrc</i>	(Optional) Output CRC
<i>eth_symbol</i>	(Optional) symbol errors
<i>eth_out_drops</i>	(Optional) output drops
<i>eth_sqetest</i>	(Optional) SQE test
<i>eth_inb64</i>	(Optional) input pkts between 0 and 64 bytes
<i>eth_inb65_127</i>	(Optional) input pkts between 65 and 127 bytes
<i>eth_inb128_255</i>	(Optional) input pkts between 128 and 255 bytes
<i>eth_inb256_511</i>	(Optional) input pkts between 256 and 511 bytes
<i>eth_inb512_1023</i>	(Optional) input pkts between 512 and 1023 bytes
<i>eth_inb1024_1518</i>	(Optional) input pkts between 1024 and 1518 bytes
<i>eth_inb1519_1548</i>	(Optional) input pkts between 1519 and 1548 bytes
<i>eth_inb1519_2500</i>	(Optional) input pkts between 1519 and 2500 bytes
<i>eth_intrunk</i>	(Optional) input trunk pkts
<i>eth_outb64</i>	(Optional) output pkts between 0 and 64 bytes
<i>eth_outb65_127</i>	(Optional) output pkts between 65 and 127 bytes
<i>eth_outb128_255</i>	(Optional) output pkts between 128 and 255 bytes
<i>eth_outb256_511</i>	(Optional) output pkts between 256 and 511 bytes
<i>eth_outb512_1023</i>	(Optional) output pkts between 512 and 1023 bytes

<i>eth_outb1024_1518</i>	(Optional) output pkts between 1024 and 1518 bytes
<i>eth_outb1519_1548</i>	(Optional) output pkts between 1519 and 1548 bytes
<i>eth_outb1519_2500</i>	(Optional) output pkts between 1519 and 2500 bytes
<i>eth_outtrunk</i>	(Optional) output trunk pkts
<i>eth_bpdu_outlost</i>	(Optional) BPDU output lost
<i>eth_cos0_outlost</i>	(Optional) output pkts
<i>eth_cos1_outlost</i>	(Optional) output pkts
<i>eth_cos2_outlost</i>	(Optional) output pkts
<i>eth_cos3_outlost</i>	(Optional) output pkts
<i>eth_cos4_outlost</i>	(Optional) output pkts
<i>eth_cos5_outlost</i>	(Optional) output pkts
<i>eth_cos6_outlost</i>	(Optional) output pkts
<i>eth_cos7_outlost</i>	(Optional) output pkts
<i>eth_fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>eth_fcoe_in_octets</i>	(Optional) fcoe in octets
<i>eth_fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>eth_fcoe_out_octets</i>	(Optional) fcoe out octets
<i>eth_nfcoe_in_pkts</i>	(Optional) nfcoe in pkts
<i>eth_nfcoe_in_octets</i>	(Optional) nfcoe in octets
<i>eth_nfcoe_out_pkts</i>	(Optional) nfcoe out pkts
<i>eth_nfcoe_out_octets</i>	(Optional) nfcoe out octets
<i>eth_eee_atx_lpi_msec</i>	(Optional) Tx Lpi usec
<i>eth_eee_arcv_lpi_msec</i>	(Optional) Rx Lpi usec
<i>eth_eee_atx_lpi_transitions</i>	(Optional) Tx Lpi requests
<i>eth_eee_arcv_lpi_transitions</i>	(Optional) Rx Lpi indications
<i>eth_phy_ber_count</i>	(Optional) Bit error rate counter
<i>eth_phy_errblks_count</i>	(Optional) Errored blocks counter
<i>eth_tx_frm_error</i>	(Optional) tx frame error
<i>eth_rx_toolong</i>	(Optional) rx toolong error

<i>eth_rx_undersize</i>	(Optional) rx undersize
<i>eth_rx_fragment</i>	(Optional) rx fragment
<i>eth_rx_crcerr_not_stomped</i>	(Optional) rx crcerr not stomped
<i>eth_rx_crcerr_stomped</i>	(Optional) rx crcerr stomped
<i>eth_rx_inrangeerr</i>	(Optional) rx inrange error
<i>svi_reliability</i>	(Optional) Reliability
<i>switchport</i>	(Optional) Switchport enabled

Command Mode

- /exec

show interface brief

```
show interface <ifpch_brf> brief [ __readonly__ TABLE_interface <interface> [ <vlan> ] <type> <portmode>
<state> <state_rsn_desc> <speed> <ratemode> [ <proto> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifpch_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>vlan</i>	(Optional) Vlan
<i>type</i>	(Optional) Type
<i>portmode</i>	(Optional) Port mode
<i>state</i>	(Optional) Interface state
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>speed</i>	(Optional) Speed
<i>ratemode</i>	(Optional) Interface port speed
<i>proto</i>	(Optional) Port Channel Protocol

Command Mode

- /exec

show interface brief

```
show interface brief [ controller | cli ] [ __readonly__ { TABLE_interface [ <interface> ] [ <vlan> ] [ <type> ] [ <portmode> ] [ <state> ] [ <state_rsn> ] [ <state_rsn_desc> ] [ <desc> ] [ <vrf> ] [ <ipv6_addr> ] [ <ip_addr> ] [ <speed> ] [ { <tunnel-ipv4> | <tunnel-ipv6> } ] [ <encap-type> ] [ <mtu> ] [ <ratemode> ] [ <portchan> ] [ <proto> ] [ <interface_vfc> ] [ <vsan_brief> ] [ <admin_mode> ] [ <admin_trunk_mode> ] [ <status> ] [ <fcot_info> ] [ <bind_info> ] [ <bind_type> ] [ <bind_mac> ] [ <port_rate_mode> ] [ <oper_speed> ] [ <port_channel> ] [ <ip_addr1> ] [ { brief_san_pc [ <interface_san> ] [ <vsan_brief> ] [ <admin_trunk_mode> ] [ <status> ] [ <port_rate_mode> ] [ <oper_speed> ] [ <ip_addr> ] } ] [ { TABLE_secondary_vlan <sec_vlan> <sec_vlan_type> } ] [ <svi_admin_state> ] [ <svi_rsn_desc> ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
brief	Show brief info of interface
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
cli	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>desc</i>	(Optional) Interface description
<i>vrf</i>	(Optional) Vrf membership
<i>ip_addr</i>	(Optional) IP address
<i>tunnel-ipv4</i>	(Optional) interface IPv4 address
<i>encap-type</i>	(Optional)
<i>mtu</i>	(Optional) MTU
<i>speed</i>	(Optional) Speed
<i>vlan</i>	(Optional) Vlan
<i>type</i>	(Optional) Type
<i>portmode</i>	(Optional) Port mode

<i>ratemode</i>	(Optional) Interface port speed
<i>portchan</i>	(Optional) Port Channel Membership
<i>proto</i>	(Optional) Port Channel Protocol
<i>interface_vfc</i>	(Optional) Interface index
<i>vsan_brief</i>	(Optional) vsan brief
<i>admin_mode</i>	(Optional) admin mode
<i>admin_trunk_mode</i>	(Optional) admin trunk mode
<i>status</i>	(Optional) status
<i>fcot_info</i>	(Optional) fcot info
<i>bind_info</i>	(Optional) bind interface
<i>bind_type</i>	(Optional) bind type
<i>bind_mac</i>	(Optional) bind mac address
<i>port_rate_mode</i>	(Optional) rate mode
<i>oper_speed</i>	(Optional) speed
<i>port_channel</i>	(Optional) port channel number
<i>ip_addr1</i>	(Optional) IP address
<i>brief_san_pc</i>	(Optional) show interface brief for san-po
<i>interface_san</i>	(Optional) san_po interface
<i>vsan_brief</i>	(Optional) vsan brief
<i>admin_trunk_mode</i>	(Optional) admin trunk mode
<i>status</i>	(Optional) status
<i>port_rate_mode</i>	(Optional) rate mode
<i>oper_speed</i>	(Optional) speed
<i>ip_addr</i>	(Optional) IP address
<i>TABLE_secondary_vlan</i>	(Optional) Secondary vlan
<i>sec_vlan</i>	(Optional) Secondary vlan ID
<i>sec_vlan_type</i>	(Optional) Secondary vlan type
<i>svi_admin_state</i>	(Optional) svi admin state
<i>svi_rsn_desc</i>	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface brief

show interface <ifloop_brf> brief [__readonly__ TABLE_interface <interface> <state> [<desc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>desc</i>	(Optional) Interface description

Command Mode

- /exec

show interface brief

```
show interface <iftunnel_brf> brief [ __readonly__ TABLE_interface <interface> <state> [ <admin-state> ]
[ { <tunnel-ipv4> | <tunnel-ipv6> } ] [ <bandwidth> ] [ <encap-type> ] [ <mtu> ] [ <keepalive-period> ] [
<keepalive-retries> ] [ { <src-ipv4> | <src-ipv6> } ] [ <src-intf> ] [ { <dest-ipv4> | <dest-ipv6> } ] [
<dest-hostname> ] [ <vrf_name> ] [ <tunnel_vrf_name> ] [ <wccp_header> ] [ <ttl_val> ] [
<tunnel_pmtud_age_time> ] [ <tunnel_pmtud_min_mtu> ] [ <tunnel_pmtud> ] [ <tunnel_pgm_mtu> ] [
<tunnel_clear_counter> ] [ <tunnel_tx_pkt_count> ] [ <tunnel_tx_byte_count> ] [ <tunnel_tx_rate> ] [
<tunnel_rx_pkt_count> ] [ <tunnel_rx_byte_count> ] [ <tunnel_rx_rate> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftunnel_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface
<u>__readonly__</u>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>admin-state</i>	(Optional)
<i>tunnel-ipv4</i>	(Optional) interface IPv4 address
<i>mtu</i>	(Optional) interface Maximum Transmission Unit
<i>bandwidth</i>	(Optional) interface Bandwidth in kilobits
<i>encap-type</i>	(Optional)
<i>keepalive-period</i>	(Optional) keealive period
<i>keepalive-retries</i>	(Optional) number of retries
<i>src-ipv4</i>	(Optional) tunnel source IPv4 address
<i>src-intf</i>	(Optional) tunnel source interface
<i>dest-ipv4</i>	(Optional) tunnel destination IPv4 address
<i>dest-hostname</i>	(Optional) tunnel destination hostname
<i>vrf_name</i>	(Optional) transport VRF name
<i>tunnel_vrf_name</i>	(Optional) tunnel VRF name
<i>wccp_header</i>	(Optional) wccp header

<i>ttl_val</i>	(Optional) tunnel time to live value
<i>tunnel_pmtud_age_time</i>	(Optional) tunnel path MTU discovery age time
<i>tunnel_pmtud_min_mtu</i>	(Optional) tunnel path MTU discovery min mtu
<i>tunnel_pmtud</i>	(Optional) tunnel path MTU discovered
<i>tunnel_pgm_mtu</i>	(Optional) tunnel actual programmed MTU
<i>tunnel_rx_pkt_count</i>	(Optional) total number of packets received
<i>tunnel_rx_byte_count</i>	(Optional) total number of bytes received
<i>tunnel_rx_rate</i>	(Optional) packets input rate per 5 minutes
<i>tunnel_tx_pkt_count</i>	(Optional) total number of packets transmitted
<i>tunnel_tx_byte_count</i>	(Optional) total number of bytes transmitted
<i>tunnel_tx_rate</i>	(Optional) packets transmitted per 5 minutes
<i>tunnel_clear_counter</i>	(Optional) Last clearing of show interface counters

Command Mode

- /exec

show interface brief

```
show interface <ifmgmt_brf> brief [ __readonly__ TABLE_interface <interface> [ <vrf> ] <state> [
<ipv6_addr> ] [ <ip_addr> ] <mtu> <speed> [ <duplex> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>vrf</i>	(Optional) Vrf membership
<i>state</i>	(Optional) Interface state
<i>ip_addr</i>	(Optional) IP address
<i>mtu</i>	(Optional) MTU
<i>speed</i>	(Optional) Speed
<i>duplex</i>	(Optional) Duplex

Command Mode

- /exec

show interface brief

```
show interface <ifeth_brf> brief [ __readonly__ TABLE_interface <interface> [ <vlan> ] <type> <portmode>
<state> <state_rsn_desc> <speed> <ratemode> [ <portchan> ] ]
```

Syntax Description

<code>show</code>	Show running system information
<code>interface</code>	Show interface status and information
<code>ifeth_brf</code>	Enter interface type and number in module/slot format
<code>brief</code>	Show brief info of interface
<code>__readonly__</code>	(Optional) Read Only
<code>interface</code>	(Optional) Interface index
<code>TABLE_interface</code>	(Optional) show interface
<code>vlan</code>	(Optional) Vlan
<code>type</code>	(Optional) Type
<code>portmode</code>	(Optional) Port mode
<code>state</code>	(Optional) Interface state
<code>state_rsn_desc</code>	(Optional) Interface state reason detailed
<code>speed</code>	(Optional) Speed
<code>ratemode</code>	(Optional) Interface port speed
<code>portchan</code>	(Optional) Port Channel Membership

Command Mode

- /exec

show interface brief

```
show interface <ifrange> brief [ __readonly__ TABLE_interface <interface> <state> [ <state_rsn> ][
<state_rsn_desc> ] [ <admin_state> ] [ <nve_addr> ] [ <nve_vcid> ] [ <nve_mtu> ] [ <nve_bandwidth> ] [
<nve_vrf> ] [ <nve_src_addr> ] [ <nve_dst_addr> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
brief	Show brief info of interface
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>admin_state</i>	(Optional) admin state
<i>nve_addr</i>	(Optional) Peer address
<i>nve_vcid</i>	(Optional) VCID
<i>nve_mtu</i>	(Optional) MTU
<i>nve_bandwidth</i>	(Optional) Bandwidth
<i>nve_vrf</i>	(Optional) VRF
<i>nve_src_addr</i>	(Optional) Source address
<i>nve_dst_addr</i>	(Optional) Destination address

Command Mode

- /exec

show interface cable-diagnostics-tdr

```
show interface <ifid_tdr> cable-diagnostics-tdr [ __readonly__ TABLE_interface <interface> <speed>
<distance1> <pair1_status> <distance2> <pair2_status> <distance3> <pair3_status> <distance4> <pair4_status>
]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_tdr</i>	Enter interface type and number in module/slot format
cable-diagnostics-tdr	Show interface tdr test information
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>speed</i>	(Optional) Speed
<i>distance1</i>	(Optional) Distance to fault for pair 1
<i>distance2</i>	(Optional) Distance to fault for pair 2
<i>distance3</i>	(Optional) Distance to fault for pair 3
<i>distance4</i>	(Optional) Distance to fault for pair 4
<i>pair1_status</i>	(Optional) Pair1 status
<i>pair2_status</i>	(Optional) Pair2 status
<i>pair3_status</i>	(Optional) Pair3 status
<i>pair4_status</i>	(Optional) Pair4 status

Command Mode

- /exec

show interface capabilities

```
show interface <ifid_cap> capabilities [ __readonly__ { TABLE_interface_capabilities_if <interface> [
<min_speed> ] [ <max_speed> ] [ <FC-PH_version_high> ] [ <FC-PH_version_low> ] [ <recieve_data_max>
] [ <recieve_data_min> ] [ <transmit_data_max> ] [ <transmit_data_min> ] [ <class_service> ] [ <class_2>
] [ <class_3> ] [ <hold_time_max> ] [ <hold_time_min> ] [ <BB_state_change> ] [ <max_BB_state_change>
] [ <rate_mode_change> ] [ <rate_mode_cap> ] [ <recieve_BB_credit> ] [ <FX_recieve_BB_credit> ] [
<ISL_recieve_BB_credit> ] [ <shared_performance_buf_mod_supp> ] [
<dedicated_performance_buf_mod_supp> ] [ <fx_mode_perf_buf> ] [ <isl_mode_perf_buf> ] [ <out_of_order>
] [ <beacon_mode_config> ] [ <extended_B2B> ] [ <on_demand_port> ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_cap</i>	Enter interface type and number in module/slot format
capabilities	Show interface capabilities information
<i>__readonly__</i>	(Optional)
TABLE_interface_capabilities_if	(Optional) interface capabilities if table
<i>interface</i>	(Optional) fc interface
<i>min_speed</i>	(Optional) Min Speed
<i>max_speed</i>	(Optional) Max Speed
<i>FC-PH_version_high</i>	(Optional) FC-PH version high
<i>FC-PH_version_low</i>	(Optional) FC-PH version low
<i>recieve_data_max</i>	(Optional) Receive data field size max
<i>recieve_data_min</i>	(Optional) Receive data field size min
<i>transmit_data_max</i>	(Optional) Transmit data field size max
<i>transmit_data_min</i>	(Optional) Transmit data field size min
<i>class_service</i>	(Optional) Classes of Service supported
<i>class_2</i>	(Optional) Class 2 sequential delivery
<i>class_3</i>	(Optional) Class 3 sequential delivery
<i>hold_time_max</i>	(Optional) Hold time max
<i>hold_time_min</i>	(Optional) Hold time min
<i>BB_state_change</i>	(Optional) BB state change notification

<i>max_BB_state_change</i>	(Optional) Maximum BB state change notifications
<i>rate_mode_change</i>	(Optional) Rate Mode change
<i>rate_mode_cap</i>	(Optional) Rate Mode Capabilities
<i>recieve_BB_credit</i>	(Optional) Receive BB Credit modification supported
<i>FX_recieve_BB_credit</i>	(Optional) FX mode Receive BB Credit (min/max/default)
<i>ISL_recieve_BB_credit</i>	(Optional) ISL mode Receive BB Credit (min/max/default)
<i>shared_performance_buf_mod_supp</i>	(Optional) Performance buffer modification supported shared
<i>dedicated_performance_buf_mod_supp</i>	(Optional) Performance buffer modification supported dedicated
<i>fx_mode_perf_buf</i>	(Optional) FX mode performance buffers
<i>isl_mode_perf_buf</i>	(Optional) ISL mode performance buffers
<i>out_of_order</i>	(Optional) Out of Service capable
<i>beacon_mode_config</i>	(Optional) Beacon mode configurable
<i>extended_B2B</i>	(Optional) Extended B2B credit capable
<i>on_demand_port</i>	(Optional) On demand port activation license supported

Command Mode

- /exec

show interface capabilities

```
show interface <ifid_eth_cap> capabilities [ __readonly__ TABLE_interface <interface> <model> <type>
<speed> <duplex> <trunk_encap> [ <dce_capable> ] <channel> <bcast_supp> <flo_ctrl> <rate_mode>
<port_mode> [ <fast_start> ] <qos_scheduling> <cos_rewrite> <tos_rewrite> [ <inline_power> ] <span>
<udld> [ <mdix> ] [ <tdr> ] <lnk_debounce> <lnk_debounce_time> <fex_fabric> <dot1q_tunnel> [
<pvlan_trunk_mode> ] [ <port_group> ] [ <port_group_members> ] <eee_capable> <pfc_capable> [
<speed_group_capable> ] <buffer_boost_capable> [ <bkout_capable> ] [ <macsec_capable> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_eth_cap</i>	Enter interface type and number in module/slot format
capabilities	Show interface capabilities information
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>model</i>	(Optional) Model
<i>type</i>	(Optional) Type
<i>speed</i>	(Optional) Speed
<i>duplex</i>	(Optional) Duplex
<i>trunk_encap</i>	(Optional) Trunk encap. type
<i>dce_capable</i>	(Optional) DCE mode capable
<i>channel</i>	(Optional) Channel
<i>bcast_supp</i>	(Optional) Broadcast suppression
<i>flo_ctrl</i>	(Optional) Flowcontrol
<i>rate_mode</i>	(Optional) Rate mode
<i>port_mode</i>	(Optional) Port mode
<i>fast_start</i>	(Optional) Fast start
<i>qos_scheduling</i>	(Optional) QOS scheduling
<i>cos_rewrite</i>	(Optional) CoS rewrite
<i>tos_rewrite</i>	(Optional) ToS rewrite

<i>inline_power</i>	(Optional) Inline power
<i>span</i>	(Optional) SPAN
<i>udld</i>	(Optional) UDLD
<i>mdix</i>	(Optional) MDIX
<i>tdr</i>	(Optional) TDR
<i>lnk_debounce</i>	(Optional) Link debounce
<i>lnk_debounce_time</i>	(Optional) Link debounce time
<i>fex_fabric</i>	(Optional) FEX Fabric
<i>dot1q_tunnel</i>	(Optional) dot1q-tunnel
<i>pvlan_trunk_mode</i>	(Optional) Private-vlan trunk mode
<i>port_group</i>	(Optional) Port Group
<i>port_group_members</i>	(Optional) Port Group Members
<i>eee_capable</i>	(Optional) EEE (efficient-eth)
<i>pfc_capable</i>	(Optional) PFC Capable:
<i>bkout_capable</i>	(Optional) Breakout Capable:
<i>buffer_boost_capable</i>	(Optional) Buffer Boost Capable:
<i>speed_group_capable</i>	(Optional) Speed group capable
<i>macsec_capable</i>	(Optional) MACSEC capable

Command Mode

- /exec

show interface capabilities

```
show interface capabilities [ __readonly__ TABLE_interface <interface> <model> <type> <speed> <duplex>
<trunk_encap> [ <dce_capable> ] <channel> <bcast_supp> <flo_ctrl> <rate_mode> <port_mode> [ <fast_start>
] <qos_scheduling> <cos_rewrite> <tos_rewrite> [ <inline_power> ] <span> <udld> [ <mdix> ] [ <tdr> ]
<lnk_debounce> <lnk_debounce_time> <fex_fabric> <dot1q_tunnel> [ <pvlan_trunk_mode> ] [ <port_group>
] [ <port_group_members> ] <eee_capable> <pfc_capable> [ <speed_group_capable> ] <buffer_boost_capable>
[ <bkout_capable> ] [ <macsec_capable> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
capabilities	Show interface capabilities information
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>model</i>	(Optional) Model
<i>type</i>	(Optional) Type
<i>speed</i>	(Optional) Speed
<i>duplex</i>	(Optional) Duplex
<i>trunk_encap</i>	(Optional) Trunk encap. type
<i>dce_capable</i>	(Optional) DCE mode capable
<i>channel</i>	(Optional) Channel
<i>bcast_supp</i>	(Optional) Broadcast suppression
<i>flo_ctrl</i>	(Optional) Flowcontrol
<i>rate_mode</i>	(Optional) Rate mode
<i>port_mode</i>	(Optional) Port mode
<i>fast_start</i>	(Optional) Fast start
<i>qos_scheduling</i>	(Optional) QOS scheduling
<i>cos_rewrite</i>	(Optional) CoS rewrite
<i>tos_rewrite</i>	(Optional) ToS rewrite
<i>inline_power</i>	(Optional) Inline power

<i>span</i>	(Optional) SPAN
<i>udld</i>	(Optional) UDLD
<i>mdix</i>	(Optional) MDIX
<i>tdr</i>	(Optional) TDR
<i>lnk_debounce</i>	(Optional) Link debounce
<i>lnk_debounce_time</i>	(Optional) Link debounce time
<i>fex_fabric</i>	(Optional) FEX Fabric
<i>dot1q_tunnel</i>	(Optional) dot1q-tunnel
<i>pvlan_trunk_mode</i>	(Optional) Private-vlan trunk mode
<i>port_group</i>	(Optional) Port Group
<i>port_group_members</i>	(Optional) Port Group Members
<i>eee_capable</i>	(Optional) EEE (efficient-eth)
<i>pfc_capable</i>	(Optional) PFC Capable:
<i>bkout_capable</i>	(Optional) Breakout Capable:
<i>buffer_boost_capable</i>	(Optional) Buffer Boost Capable:
<i>speed_group_capable</i>	(Optional) Speed group capable
<i>macsec_capable</i>	(Optional) MACSEC capable

Command Mode

- /exec

show interface chassis-info

```
show interface chassis-info [ __readonly__ TABLE_chassis_info <chas_no> <chas_port> <slot_no> <port_no>
<module_side> <chas_vendor> <chas_model> <chas_ser> <mod_vendor> <mod_model> <mod_ser>
<mgmt_inst> <fab_id> <ver> <devtype> <chas_state> <chas_mac> <adapter_mode> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
chassis-info	Show all CHASSIS ports
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_chassis_info</i>	(Optional) Discovered chassis fabric ports
<i>chas_no</i>	(Optional) Configured chassis number
<i>chas_port</i>	(Optional) Interface name
<i>slot_no</i>	(Optional) Remote slot no
<i>port_no</i>	(Optional) Remote port no
<i>module_side</i>	(Optional) Remote module side
<i>chas_vendor</i>	(Optional) Chassis Vendor
<i>chas_model</i>	(Optional) Chassis Model
<i>chas_ser</i>	(Optional) Chassis serial Number
<i>mod_vendor</i>	(Optional) Module Vendor
<i>mod_model</i>	(Optional) Module Model
<i>mod_ser</i>	(Optional) Module serial Number
<i>mgmt_inst</i>	(Optional) Management instance
<i>fab_id</i>	(Optional) Fabric ID
<i>ver</i>	(Optional) Version
<i>devtype</i>	(Optional) Device Type
<i>chas_state</i>	(Optional) Chassis port state
<i>chas_mac</i>	(Optional) Chassis MAC
<i>adapter_mode</i>	(Optional) adapter mode

Command Mode

- /exec

show interface chassis-info detail

```
show interface chassis-info detail [ __readonly__ TABLE_chassis_info <chas_no> <chas_port> <slot_no>
<port_no> <module_side> <chas_vendor> <chas_model> <chas_ser> <mod_vendor> <mod_model>
<mod_ser> <mgmt_inst> <fab_id> <ver> <devtype> <chas_state> <chas_mac> <adapter_mode> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
chassis-info	Show all CHASSIS ports
detail	Show detailed Chassis Info
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_chassis_info</i>	(Optional) Discovered chassis fabric ports
<i>chas_no</i>	(Optional) Configured chassis number
<i>chas_port</i>	(Optional) Interface name
<i>slot_no</i>	(Optional) Remote slot no
<i>port_no</i>	(Optional) Remote port no
<i>module_side</i>	(Optional) Remote module side
<i>chas_vendor</i>	(Optional) Chassis Vendor
<i>chas_model</i>	(Optional) Chassis Model
<i>chas_ser</i>	(Optional) Chassis serial Number
<i>mod_vendor</i>	(Optional) Module Vendor
<i>mod_model</i>	(Optional) Module Model
<i>mod_ser</i>	(Optional) Module serial Number
<i>mgmt_inst</i>	(Optional) Management instance
<i>fab_id</i>	(Optional) Fabric ID
<i>ver</i>	(Optional) Version
<i>devtype</i>	(Optional) Device Type
<i>chas_state</i>	(Optional) Chassis port state
<i>chas_mac</i>	(Optional) Chassis MAC
<i>adapter_mode</i>	(Optional) adapter mode

Command Mode

- /exec

show interface counters

```
show interface <ifeth_ctr_po> counters [ snmp ] [ __readonly__ { TABLE_rx_counters <interface_rx> [
<eth_inbytes> ] [ <eth_inucast> ] [ <eth_inmcast> ] [ <eth_inbcast> ] [ <eth_l3in_bytes> ] [
<eth_l3in_ucastpkts> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_bcastpkts> ] [ <eth_l3in_ipv4bytes> ] [
<eth_l3in_ipv4pkts> ] [ <eth_l3in_ipv4ucast_pkts> ] [ <eth_l3in_ipv4mcast_pkts> ] [
<eth_l3in_ipv4bcast_pkts> ] [ <eth_l3in_ipv6bytes> ] [ <eth_l3in_ipv6pkts> ] [ <eth_l3in_ipv6ucast_pkts>
] [ <eth_l3in_ipv6mcast_pkts> ] [ <eth_l3in_ipv6bcast_pkts> ] } { TABLE_tx_counters <interface_tx> [
<eth_outbytes> ] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast> ] [ <eth_l3out_bytes> ] [
<eth_l3out_ucastpkts> ] [ <eth_l3out_mcastpkts> ] [ <eth_l3out_bcastpkts> ] [ <eth_l3out_ipv4bytes> ] [
<eth_l3out_ipv4pkts> ] [ <eth_l3out_ipv4ucast_pkts> ] [ <eth_l3out_ipv4mcast_pkts> ] [
<eth_l3out_ipv4bcast_pkts> ] [ <eth_l3out_ipv6bytes> ] [ <eth_l3out_ipv6pkts> ] [ <eth_l3out_ipv6ucast_pkts>
] [ <eth_l3out_ipv6mcast_pkts> ] [ <eth_l3out_ipv6bcast_pkts> ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_po</i>	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	(Optional) Show SNMP MIB values
<u>__readonly__</u>	(Optional) Read Only
TABLE_rx_counters	(Optional) show Rx counters
<i>interface_rx</i>	(Optional) Interface index rx
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_inucast</i>	(Optional) Unicasts input
<i>eth_inmcast</i>	(Optional) Multicasts input
<i>eth_inbcast</i>	(Optional) Broadcasts input
<i>eth_l3in_bytes</i>	(Optional) L3 Rx bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 Rx Unicast pkts
<i>eth_l3in_mcastpkts</i>	(Optional) L3 Rx Multicast pkts
<i>eth_l3in_bcastpkts</i>	(Optional) L3 Rx Broadcast pkts
<i>eth_l3in_ipv4bytes</i>	(Optional) L3 Rx IPv4 bytes
<i>eth_l3in_ipv4pkts</i>	(Optional) L3 Rx IPv4 pkts
<i>eth_l3in_ipv4ucast_pkts</i>	(Optional) L3 Rx IPv4 Ucast pkts

<i>eth_l3in_ipv4mcast_pkts</i>	(Optional) L3 Rx IPv4 Mcast pkts
<i>eth_l3in_ipv4bcast_pkts</i>	(Optional) L3 Rx IPv4 Bcast pkts
<i>eth_l3in_ipv6bytes</i>	(Optional) L3 Rx IPv6 bytes
<i>eth_l3in_ipv6pkts</i>	(Optional) L3 Rx IPv6 pkts
<i>eth_l3in_ipv6ucast_pkts</i>	(Optional) L3 Rx IPv6 Ucast pkts
<i>eth_l3in_ipv6mcast_pkts</i>	(Optional) L3 Rx IPv6 Mcast pkts
<i>eth_l3in_ipv6bcast_pkts</i>	(Optional) L3 Rx IPv6 Bcast pkts
TABLE_tx_counters	(Optional) show Tx counters
<i>interface_tx</i>	(Optional) Interface index tx
<i>eth_outbytes</i>	(Optional) Bytes output
<i>eth_outucast</i>	(Optional) Unicasts output
<i>eth_outmcast</i>	(Optional) Multicasts output
<i>eth_outbcast</i>	(Optional) Broadcasts output
<i>eth_l3out_bytes</i>	(Optional) L3 Tx bytes
<i>eth_l3out_ucastpkts</i>	(Optional) L3 Tx Unicast pkts
<i>eth_l3out_mcastpkts</i>	(Optional) L3 Tx Multicast pkts
<i>eth_l3out_bcastpkts</i>	(Optional) L3 Tx Broadcast pkts
<i>eth_l3out_ipv4bytes</i>	(Optional) L3 Tx IPv4 bytes
<i>eth_l3out_ipv4pkts</i>	(Optional) L3 Tx IPv4 pkts
<i>eth_l3out_ipv4ucast_pkts</i>	(Optional) L3 Tx IPv4 Ucast pkts
<i>eth_l3out_ipv4mcast_pkts</i>	(Optional) L3 Tx IPv4 Mcast pkts
<i>eth_l3out_ipv4bcast_pkts</i>	(Optional) L3 Tx IPv4 Bcast pkts
<i>eth_l3out_ipv6bytes</i>	(Optional) L3 Tx IPv6 bytes
<i>eth_l3out_ipv6pkts</i>	(Optional) L3 Tx IPv6 pkts
<i>eth_l3out_ipv6ucast_pkts</i>	(Optional) L3 Tx IPv6 Ucast pkts
<i>eth_l3out_ipv6mcast_pkts</i>	(Optional) L3 Tx IPv6 Mcast pkts
<i>eth_l3out_ipv6bcast_pkts</i>	(Optional) L3 Tx IPv6 Bcast pkts

Command Mode

- /exec

show interface counters

```
show interface <ifid_ctr> counters [ brief ] [ __readonly__ ] [ { TABLE_counters <sfp> { TABLE_input_rate
<bit_per_sec> <bytes_per_sec> <frames_per_sec> } { TABLE_output_rate <bit_per_sec> <bytes_per_sec>
<frames_per_sec> } { TABLE_input <frames> <bytes> [ <class_2_frames> ] [ <class_2_bytes> ] [
<class_3_frames> ] [ <class_3_bytes> ] [ <class_f_frames> ] [ <class_f_bytes> ] [ <class_2_3_frames> ]
<discards> <errors> <crc_fcs> <unknown_class> <too_long> <too_short> } { TABLE_output <frames>
<bytes> [ <class_2_frames> ] [ <class_2_bytes> ] [ <class_3_frames> ] [ <class_3_bytes> ] [ <class_f_frames>
] [ <class_f_bytes> ] [ <class_2_3_frames> ] [ <discards> ] [ <errors> ] [ <crc_fcs> ] } [ <timeout_discards>
] [ <credit_loss> ] [ <input_ols> ] [ <input_lrr> ] [ <input_nos> ] [ <input_loop_inits> ] [ <output_ols> ] [
<output_lrr> ] [ <output_nos> ] [ <output_loop_inits> ] [ <link_faliures> ] [ <sync_loss> ] [ <signal_loss> ]
[ <b2b_transmit> ] [ <b2b_receive> ] [ <txwait> ] [ <tx_credit_unavbl> ] [ <b2b_receive_remain> ] [
<b2b_transmit_remain> ] [ <low_priority_b2b_remain> ] [ <off_seq_err_rcvd> ] [ <broadcast_frames> ] [
<errors> ] [ <queue_drops> ] [ <if_down_drops> ] [ <red_drops> ] [ <bad_ether_type_drops> ] [
<bad_protocol_drops> ] [ <arp_drops> ] [ <reass_frames> ] [ <timestamp_error> ] [ <rx_b2b_perf_buff> ]
[ <rx_b2b_credit> ] [ <tx_b2b_credit> ] [ <tx_b2b_low_pri_cre> ] [ <time_last_cleared> } } ] [ {
TABLE_counters_brief <sfp> <fc_input_rate> <fc_frames_in> <fc_output_rate> <fc_frames_out> } ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
brief	(Optional) Show interface counters in brief
<u>__readonly__</u>	(Optional) Readonly
TABLE_counters	(Optional) Table counters
<i>sfp</i>	(Optional) SFP
TABLE_input_rate	(Optional) Input rate
<i>bit_per_sec</i>	(Optional) Input rate bits per second
<i>bytes_per_sec</i>	(Optional) Input rate bytes per second
<i>frames_per_sec</i>	(Optional) Input rate frames per second
TABLE_output_rate	(Optional) Output rate
<i>bit_per_sec</i>	(Optional) Output rate bits per second
<i>bytes_per_sec</i>	(Optional) Output rate bytes per second
<i>frames_per_sec</i>	(Optional) Output rate frames per second
TABLE_input	(Optional) Input values

<i>frames</i>	(Optional) Frames
<i>bytes</i>	(Optional) Bytes
<i>class_2_frames</i>	(Optional) Class 2 frames
<i>class_2_bytes</i>	(Optional) Class 2 bytes
<i>class_3_frames</i>	(Optional) Class 3 frames
<i>class_3_bytes</i>	(Optional) Class 3 bytes
<i>class_f_frames</i>	(Optional) Class f frames
<i>class_f_bytes</i>	(Optional) Class f bytes
<i>class_2_3_frames</i>	(Optional) Class 2/3 Frames
<i>discards</i>	(Optional) Discards
<i>errors</i>	(Optional) Errors
<i>crc_fcs</i>	(Optional) CRC/FCS
<i>unknown_class</i>	(Optional) Unknown Class
<i>too_long</i>	(Optional) Frames too long
<i>too_short</i>	(Optional) Frames too short
TABLE_output	(Optional) Output Values
<i>frames</i>	(Optional) Frames
<i>bytes</i>	(Optional) Bytes
<i>class_2_frames</i>	(Optional) Class 2 frames
<i>class_2_bytes</i>	(Optional) Class 2 bytes
<i>class_3_frames</i>	(Optional) Class 3 frames
<i>class_3_bytes</i>	(Optional) Class 3 bytes
<i>class_f_frames</i>	(Optional) Class f frames
<i>class_f_bytes</i>	(Optional) Class f bytes
<i>class_2_3_frames</i>	(Optional) Class 2/3 frames
<i>discards</i>	(Optional) Discards
<i>errors</i>	(Optional) Errors
<i>crc_fcs</i>	(Optional) CRC/FCS
<i>timeout_discards</i>	(Optional) Timeout Discards

<i>credit_loss</i>	(Optional) Credit Loss
<i>input_ols</i>	(Optional) input ols
<i>input_lrr</i>	(Optional) input LRR
<i>input_nos</i>	(Optional) input NOS
<i>input_loop_inits</i>	(Optional) input loop inits
<i>output_ols</i>	(Optional) output OLS
<i>output_lrr</i>	(Optional) output LRR
<i>output_nos</i>	(Optional) output NOS
<i>output_loop_inits</i>	(Optional) output loop inits
<i>link_faliures</i>	(Optional) link faliures
<i>sync_loss</i>	(Optional) Sync loss
<i>signal_loss</i>	(Optional) Signal loss
<i>b2b_transmit</i>	(Optional) B2B transmit
<i>b2b_receive</i>	(Optional) B2B receive
<i>txwait</i>	(Optional) TxWait
<i>tx_credit_unavbl</i>	(Optional) Tx credit unavliable
<i>b2b_receive_remain</i>	(Optional) B2B receive remain
<i>b2b_transmit_remain</i>	(Optional) B2B transmit remain
<i>low_priority_b2b_remain</i>	(Optional) Low priority B2B credit remaining
<i>time_last_cleared</i>	(Optional) Last time cleared
<i>broadcast_frames</i>	(Optional) Broadcast frames
<i>errors</i>	(Optional) Errors
<i>queue_drops</i>	(Optional) Queue drops
<i>if_down_drops</i>	(Optional) If down drops
<i>red_drops</i>	(Optional) Red drops
<i>bad_ether_type_drops</i>	(Optional) Bad ether type drops
<i>bad_protocol_drops</i>	(Optional) Bad Protocol Drops
<i>arp_drops</i>	(Optional) Arp Drops
<i>timestamp_error</i>	(Optional) Timestamp Error

<i>reass_frames</i>	(Optional) Reass Frames
<i>rx_b2b_perf_buff</i>	(Optional) RX B2B performance buffer
<i>rx_b2b_credit</i>	(Optional) RX B2B credit remaining
<i>tx_b2b_credit</i>	(Optional) TX B2B credit remaining
<i>tx_b2b_low_pri_cre</i>	(Optional) TX B2B low priority Credit
<i>off_seq_err_rcvd</i>	(Optional) Offset Sequence Error Received
TABLE_counters_brief	(Optional) Table counters brief
<i>sfp</i>	(Optional) FC id
<i>fc_input_rate</i>	(Optional) Input rate
<i>fc_frames_in</i>	(Optional) Frames in
<i>fc_output_rate</i>	(Optional) Output rate
<i>fc_frames_out</i>	(Optional) Frames out

Command Mode

- /exec

show interface counters

```
show interface <ifid_ctr> counters [ snmp ] [ __readonly__ { TABLE_rx_counters <interface_rx> [
<eth_inpkts> ] [ <eth_inbytes> ] [ <eth_inucast> ] [ <eth_inmcast> ] [ <eth_inbcast> ] } { TABLE_tx_counters
<interface_tx> [ <eth_outpkts> ] [ <eth_outbytes> ] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast>
] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	(Optional) Show SNMP MIB values
<u>__readonly__</u>	(Optional) Read Only
<i>interface_rx</i>	(Optional) Interface index rx
<i>interface_tx</i>	(Optional) Interface index tx
TABLE_rx_counters	(Optional) show Rx counters
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inbcast</i>	(Optional) Broadcasts
TABLE_tx_counters	(Optional) show Tx counters
<i>eth_outpkts</i>	(Optional) Packets output
<i>eth_outbytes</i>	(Optional) Bytes output
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outbcast</i>	(Optional) Broadcasts

Command Mode

- /exec

show interface counters

```
show interface counters [ module <module> ] [ __readonly__ { TABLE_rx_counters <interface_rx> [
<eth_inpkts> ] [ <fc_inframes> ] [ <eth_inbytes> ] [ <fc_inbytes> ] [ <eth_inucast> ] [ <eth_inmcast> ] [
<eth_inbcast> ] [ <eth_l3in_bytes> ] [ <eth_l3in_ucastpkts> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_bcastpkts>
] [ <eth_l3in_ipv4bytes> ] [ <eth_l3in_ipv4pkts> ] [ <eth_l3in_ipv4ucast_pkts> ] [ <eth_l3in_ipv4mcast_pkts>
] [ <eth_l3in_ipv4bcast_pkts> ] [ <eth_l3in_ipv6bytes> ] [ <eth_l3in_ipv6pkts> ] [ <eth_l3in_ipv6ucast_pkts>
] [ <eth_l3in_ipv6mcast_pkts> ] [ <eth_l3in_ipv6bcast_pkts> ] } { TABLE_tx_counters <interface_tx> [
<eth_outpkts> ] [ <eth_outbytes> ] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast> ] [
<eth_l3out_bytes> ] [ <eth_l3out_ucastpkts> ] [ <eth_l3out_mcastpkts> ] [ <eth_l3out_bcastpkts> ] [
<eth_l3out_ipv4bytes> ] [ <eth_l3out_ipv4pkts> ] [ <eth_l3out_ipv4ucast_pkts> ] [
<eth_l3out_ipv4mcast_pkts> ] [ <eth_l3out_ipv4bcast_pkts> ] [ <eth_l3out_ipv6bytes> ] [
<eth_l3out_ipv6pkts> ] [ <eth_l3out_ipv6ucast_pkts> ] [ <eth_l3out_ipv6mcast_pkts> ] [
<eth_l3out_ipv6bcast_pkts> ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
<i>__readonly__</i>	(Optional) Read Only
<i>interface_rx</i>	(Optional) Interface index rx
<i>interface_tx</i>	(Optional) Interface index tx
TABLE_rx_counters	(Optional) show Rx counters
TABLE_tx_counters	(Optional) show Tx counters
<i>eth_inpkts</i>	(Optional) Packets input
<i>fc_inframes</i>	(Optional) Frames input fc
<i>eth_inbytes</i>	(Optional) Bytes input
<i>fc_inbytes</i>	(Optional) Bytes input fc
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_outpkts</i>	(Optional) Packets output
<i>eth_outbytes</i>	(Optional) Bytes output

<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outbcast</i>	(Optional) Broadcasts
<i>eth_l3in_bytes</i>	(Optional) L3 Rx bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 Rx Unicast pkts
<i>eth_l3in_mcastpkts</i>	(Optional) L3 Rx Multicast pkts
<i>eth_l3in_bcastpkts</i>	(Optional) L3 Rx Broadcast pkts
<i>eth_l3in_ipv4bytes</i>	(Optional) L3 Rx IPv4 bytes
<i>eth_l3in_ipv4pkts</i>	(Optional) L3 Rx IPv4 pkts
<i>eth_l3in_ipv4ucast_pkts</i>	(Optional) L3 Rx IPv4 Ucast pkts
<i>eth_l3in_ipv4mcast_pkts</i>	(Optional) L3 Rx IPv4 Mcast pkts
<i>eth_l3in_ipv4bcast_pkts</i>	(Optional) L3 Rx IPv4 Bcast pkts
<i>eth_l3in_ipv6bytes</i>	(Optional) L3 Rx IPv6 bytes
<i>eth_l3in_ipv6pkts</i>	(Optional) L3 Rx IPv6 pkts
<i>eth_l3in_ipv6ucast_pkts</i>	(Optional) L3 Rx IPv6 Ucast pkts
<i>eth_l3in_ipv6mcast_pkts</i>	(Optional) L3 Rx IPv6 Mcast pkts
<i>eth_l3in_ipv6bcast_pkts</i>	(Optional) L3 Rx IPv6 Bcast pkts
<i>eth_l3out_bytes</i>	(Optional) L3 Tx bytes
<i>eth_l3out_ucastpkts</i>	(Optional) L3 Tx Unicast pkts
<i>eth_l3out_mcastpkts</i>	(Optional) L3 Tx Multicast pkts
<i>eth_l3out_bcastpkts</i>	(Optional) L3 Tx Broadcast pkts
<i>eth_l3out_ipv4bytes</i>	(Optional) L3 Tx IPv4 bytes
<i>eth_l3out_ipv4pkts</i>	(Optional) L3 Tx IPv4 pkts
<i>eth_l3out_ipv4ucast_pkts</i>	(Optional) L3 Tx IPv4 Ucast pkts
<i>eth_l3out_ipv4mcast_pkts</i>	(Optional) L3 Tx IPv4 Mcast pkts
<i>eth_l3out_ipv4bcast_pkts</i>	(Optional) L3 Tx IPv4 Bcast pkts
<i>eth_l3out_ipv6bytes</i>	(Optional) L3 Tx IPv6 bytes
<i>eth_l3out_ipv6pkts</i>	(Optional) L3 Tx IPv6 pkts
<i>eth_l3out_ipv6ucast_pkts</i>	(Optional) L3 Tx IPv6 Ucast pkts

<i>eth_l3out_ipv6mcast_pkts</i>	(Optional) L3 Tx IPv6 Mcast pkts
<i>eth_l3out_ipv6bcast_pkts</i>	(Optional) L3 Tx IPv6 Bcast pkts

Command Mode

- /exec

show interface counters

```
show interface counters [ non-zero ] [ __readonly__ { TABLE_rx_counters <interface_rx> [ <eth_inpkts> ]
[ <eth_inbytes> ] [ <eth_inucast> ] [ <eth_inmcast> ] [ <eth_inbcast> ] [ <eth_l3in_bytes> ] [
<eth_l3in_ucastpkts> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_bcastpkts> ] [ <eth_l3in_ipv4bytes> ] [
<eth_l3in_ipv4pkts> ] [ <eth_l3in_ipv4ucast_pkts> ] [ <eth_l3in_ipv4mcast_pkts> ] [
<eth_l3in_ipv4bcast_pkts> ] [ <eth_l3in_ipv6bytes> ] [ <eth_l3in_ipv6pkts> ] [ <eth_l3in_ipv6ucast_pkts> ]
] [ <eth_l3in_ipv6mcast_pkts> ] [ <eth_l3in_ipv6bcast_pkts> ] } { TABLE_tx_counters <interface_tx> [
<eth_outpkts> ] [ <eth_outbytes> ] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast> ] [
<eth_l3out_bytes> ] [ <eth_l3out_ucastpkts> ] [ <eth_l3out_mcastpkts> ] [ <eth_l3out_bcastpkts> ] [
<eth_l3out_ipv4bytes> ] [ <eth_l3out_ipv4pkts> ] [ <eth_l3out_ipv4ucast_pkts> ] [
<eth_l3out_ipv4mcast_pkts> ] [ <eth_l3out_ipv4bcast_pkts> ] [ <eth_l3out_ipv6bytes> ] [
<eth_l3out_ipv6pkts> ] [ <eth_l3out_ipv6ucast_pkts> ] [ <eth_l3out_ipv6mcast_pkts> ] [
<eth_l3out_ipv6bcast_pkts> ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
non-zero	(Optional) To display only the non-zero counter values
__readonly__	(Optional) Read Only
<i>interface_rx</i>	(Optional) Interface index rx
<i>interface_tx</i>	(Optional) Interface index tx
TABLE_rx_counters	(Optional) show Rx counters
TABLE_tx_counters	(Optional) show Tx counters
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_outpkts</i>	(Optional) Packets output
<i>eth_outbytes</i>	(Optional) Bytes output
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outbcast</i>	(Optional) Broadcasts

<i>eth_l3in_bytes</i>	(Optional) L3 Rx bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 Rx Unicast pkts
<i>eth_l3in_mcastpkts</i>	(Optional) L3 Rx Multicast pkts
<i>eth_l3in_bcastpkts</i>	(Optional) L3 Rx Broadcast pkts
<i>eth_l3in_ipv4bytes</i>	(Optional) L3 Rx IPv4 bytes
<i>eth_l3in_ipv4pkts</i>	(Optional) L3 Rx IPv4 pkts
<i>eth_l3in_ipv4ucast_pkts</i>	(Optional) L3 Rx IPv4 Ucast pkts
<i>eth_l3in_ipv4mcast_pkts</i>	(Optional) L3 Rx IPv4 Mcast pkts
<i>eth_l3in_ipv4bcast_pkts</i>	(Optional) L3 Rx IPv4 Bcast pkts
<i>eth_l3in_ipv6bytes</i>	(Optional) L3 Rx IPv6 bytes
<i>eth_l3in_ipv6pkts</i>	(Optional) L3 Rx IPv6 pkts
<i>eth_l3in_ipv6ucast_pkts</i>	(Optional) L3 Rx IPv6 Ucast pkts
<i>eth_l3in_ipv6mcast_pkts</i>	(Optional) L3 Rx IPv6 Mcast pkts
<i>eth_l3in_ipv6bcast_pkts</i>	(Optional) L3 Rx IPv6 Bcast pkts
<i>eth_l3out_bytes</i>	(Optional) L3 Tx bytes
<i>eth_l3out_ucastpkts</i>	(Optional) L3 Tx Unicast pkts
<i>eth_l3out_mcastpkts</i>	(Optional) L3 Tx Multicast pkts
<i>eth_l3out_bcastpkts</i>	(Optional) L3 Tx Broadcast pkts
<i>eth_l3out_ipv4bytes</i>	(Optional) L3 Tx IPv4 bytes
<i>eth_l3out_ipv4pkts</i>	(Optional) L3 Tx IPv4 pkts
<i>eth_l3out_ipv4ucast_pkts</i>	(Optional) L3 Tx IPv4 Ucast pkts
<i>eth_l3out_ipv4mcast_pkts</i>	(Optional) L3 Tx IPv4 Mcast pkts
<i>eth_l3out_ipv4bcast_pkts</i>	(Optional) L3 Tx IPv4 Bcast pkts
<i>eth_l3out_ipv6bytes</i>	(Optional) L3 Tx IPv6 bytes
<i>eth_l3out_ipv6pkts</i>	(Optional) L3 Tx IPv6 pkts
<i>eth_l3out_ipv6ucast_pkts</i>	(Optional) L3 Tx IPv6 Ucast pkts
<i>eth_l3out_ipv6mcast_pkts</i>	(Optional) L3 Tx IPv6 Mcast pkts
<i>eth_l3out_ipv6bcast_pkts</i>	(Optional) L3 Tx IPv6 Bcast pkts

Command Mode

- /exec

show interface counters

```
show interface <ifeth_ctr> counters [ __readonly__ { TABLE_rx_counters <interface_rx> [ <eth_inbytes> ] [ <eth_inucast> ] [ <eth_inmcast> ] [ <eth_inbcast> ] [ <eth_l3in_bytes> ] [ <eth_l3in_ucastpkts> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_bcastpkts> ] [ <eth_l3in_ipv4bytes> ] [ <eth_l3in_ipv4pkts> ] [ <eth_l3in_ipv4ucast_pkts> ] [ <eth_l3in_ipv4mcast_pkts> ] [ <eth_l3in_ipv4bcast_pkts> ] [ <eth_l3in_ipv6bytes> ] [ <eth_l3in_ipv6pkts> ] [ <eth_l3in_ipv6ucast_pkts> ] [ <eth_l3in_ipv6mcast_pkts> ] [ <eth_l3in_ipv6bcast_pkts> ] } { TABLE_tx_counters <interface_tx> [ <eth_outbytes> ] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast> ] [ <eth_l3out_bytes> ] [ <eth_l3out_ucastpkts> ] [ <eth_l3out_mcastpkts> ] [ <eth_l3out_bcastpkts> ] [ <eth_l3out_ipv4bytes> ] [ <eth_l3out_ipv4pkts> ] [ <eth_l3out_ipv4ucast_pkts> ] [ <eth_l3out_ipv4mcast_pkts> ] [ <eth_l3out_ipv4bcast_pkts> ] [ <eth_l3out_ipv6bytes> ] [ <eth_l3out_ipv6pkts> ] [ <eth_l3out_ipv6ucast_pkts> ] [ <eth_l3out_ipv6mcast_pkts> ] [ <eth_l3out_ipv6bcast_pkts> ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
<i>__readonly__</i>	(Optional) Read Only
TABLE_rx_counters	(Optional) show Rx counters
<i>interface_rx</i>	(Optional) Interface index rx
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_inucast</i>	(Optional) Unicasts input
<i>eth_inmcast</i>	(Optional) Multicasts input
<i>eth_inbcast</i>	(Optional) Broadcasts input
<i>eth_l3in_bytes</i>	(Optional) L3 Rx bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 Rx Unicast pkts
<i>eth_l3in_mcastpkts</i>	(Optional) L3 Rx Multicast pkts
<i>eth_l3in_bcastpkts</i>	(Optional) L3 Rx Broadcast pkts
<i>eth_l3in_ipv4bytes</i>	(Optional) L3 Rx IPv4 bytes
<i>eth_l3in_ipv4pkts</i>	(Optional) L3 Rx IPv4 pkts
<i>eth_l3in_ipv4ucast_pkts</i>	(Optional) L3 Rx IPv4 Ucast pkts
<i>eth_l3in_ipv4mcast_pkts</i>	(Optional) L3 Rx IPv4 Mcast pkts

<i>eth_l3in_ipv4bcast_pkts</i>	(Optional) L3 Rx IPv4 Bcast pkts
<i>eth_l3in_ipv6bytes</i>	(Optional) L3 Rx IPv6 bytes
<i>eth_l3in_ipv6pkts</i>	(Optional) L3 Rx IPv6 pkts
<i>eth_l3in_ipv6ucast_pkts</i>	(Optional) L3 Rx IPv6 Ucast pkts
<i>eth_l3in_ipv6mcast_pkts</i>	(Optional) L3 Rx IPv6 Mcast pkts
<i>eth_l3in_ipv6bcast_pkts</i>	(Optional) L3 Rx IPv6 Bcast pkts
TABLE_tx_counters	(Optional) show Tx counters
<i>interface_tx</i>	(Optional) Interface index tx
<i>eth_outbytes</i>	(Optional) Bytes output
<i>eth_outucast</i>	(Optional) Unicasts output
<i>eth_outmcast</i>	(Optional) Multicasts output
<i>eth_outbcast</i>	(Optional) Broadcasts output
<i>eth_l3out_bytes</i>	(Optional) L3 Tx bytes
<i>eth_l3out_ucastpkts</i>	(Optional) L3 Tx Unicast pkts
<i>eth_l3out_mcastpkts</i>	(Optional) L3 Tx Multicast pkts
<i>eth_l3out_bcastpkts</i>	(Optional) L3 Tx Broadcast pkts
<i>eth_l3out_ipv4bytes</i>	(Optional) L3 Tx IPv4 bytes
<i>eth_l3out_ipv4pkts</i>	(Optional) L3 Tx IPv4 pkts
<i>eth_l3out_ipv4ucast_pkts</i>	(Optional) L3 Tx IPv4 Ucast pkts
<i>eth_l3out_ipv4mcast_pkts</i>	(Optional) L3 Tx IPv4 Mcast pkts
<i>eth_l3out_ipv4bcast_pkts</i>	(Optional) L3 Tx IPv4 Bcast pkts
<i>eth_l3out_ipv6bytes</i>	(Optional) L3 Tx IPv6 bytes
<i>eth_l3out_ipv6pkts</i>	(Optional) L3 Tx IPv6 pkts
<i>eth_l3out_ipv6ucast_pkts</i>	(Optional) L3 Tx IPv6 Ucast pkts
<i>eth_l3out_ipv6mcast_pkts</i>	(Optional) L3 Tx IPv6 Mcast pkts
<i>eth_l3out_ipv6bcast_pkts</i>	(Optional) L3 Tx IPv6 Bcast pkts

Command Mode

- /exec

show interface counters

```
show interface <ifrange> counters [ __readonly__ TABLE_interface <interface> [ <overlay_load_interval>
] [ <overlay_rx_ucastpkts> ] [ <overlay_rx_ucastbytes> ] [ <overlay_rx_mcastpkts> ] [
<overlay_rx_mcastbytes> ] [ <overlay_rx_pkts> ] [ <overlay_rx_bytes> ] [ <overlay_rx_bcastpkts> ] [
<overlay_rx_bcastbytes> ] [ <overlay_rx_bitrate> ] [ <overlay_rx_pktrate> ] [ <overlay_tx_ucastpkts> ] [
<overlay_tx_ucastbytes> ] [ <overlay_tx_mcastpkts> ] [ <overlay_tx_mcastbytes> ] [ <overlay_tx_bcastpkts>
] [ <overlay_tx_bcastbytes> ] [ <overlay_tx_pkts> ] [ <overlay_tx_bytes> ] [ <overlay_tx_bitrate> ] [
<overlay_tx_pktrate> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
counters	Show interface counters
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>overlay_load_interval</i>	(Optional) Load interval
<i>overlay_rx_ucastpkts</i>	(Optional) Received ucast pkts
<i>overlay_rx_ucastbytes</i>	(Optional) Received ucast bytes
<i>overlay_rx_mcastpkts</i>	(Optional) Received mcast pkts
<i>overlay_rx_mcastbytes</i>	(Optional) Received mcast bytes
<i>overlay_rx_bcastpkts</i>	(Optional) Received bcast pkts
<i>overlay_rx_bcastbytes</i>	(Optional) Received bcast bytes
<i>overlay_rx_pkts</i>	(Optional) Total received pkts
<i>overlay_rx_bytes</i>	(Optional) Total received bytes
<i>overlay_rx_bitrate</i>	(Optional) Receive bit rate
<i>overlay_rx_pktrate</i>	(Optional) Receive pkt rate
<i>overlay_tx_ucastpkts</i>	(Optional) Trasnmitted ucast pkts
<i>overlay_tx_ucastbytes</i>	(Optional) Trasnmitted ucast bytes
<i>overlay_tx_mcastpkts</i>	(Optional) Trasnmitted mcast pkts
<i>overlay_tx_mcastbytes</i>	(Optional) Trasnmitted mcast bytes

<i>overlay_tx_bcastpkts</i>	(Optional) Trasnmitted beast pkts
<i>overlay_tx_bcastbytes</i>	(Optional) Trasnmitted beast bytes
<i>overlay_tx_pkts</i>	(Optional) Total transmitted pkts
<i>overlay_tx_bytes</i>	(Optional) Total transmitted bytes
<i>overlay_tx_bitrate</i>	(Optional) Transmit bit rate
<i>overlay_tx_pktrate</i>	(Optional) Transmit pkt rate

Command Mode

- /exec

show interface counters

```
show interface <ifrange> counters [ __readonly__ { TABLE_nve_counters <interface> [ <ucast_inbytes> ]
[ <ucast_inpkts> ] [ <ucast_outbytes> ] [ <ucast_outpkts> ] [ <mcast_inbytes> ] [ <mcast_inpkts> ] [
<mcast_outbytes> ] [ <mcast_outpkts> ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
counters	Show interface counters
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_nve_counters	(Optional) show interface
<i>ucast_inbytes</i>	(Optional) ucast bytes input
<i>ucast_inpkts</i>	(Optional) ucast packets input
<i>ucast_outbytes</i>	(Optional) ucast bytes output
<i>ucast_outpkts</i>	(Optional) ucast packets output
<i>mcast_inbytes</i>	(Optional) mcast bytes input
<i>mcast_inpkts</i>	(Optional) mcast packets input
<i>mcast_outbytes</i>	(Optional) mcast bytes output
<i>mcast_outpkts</i>	(Optional) mcast packets output

Command Mode

- /exec

show interface counters brief

```
show interface counters brief [ <counter_val> ] [ __readonly__ TABLE_interface <interface> [ <eth_inrate1> ] [ <eth_inframes1> ] [ <eth_outrate1> ] [ <eth_outframes1> ] [ <eth_load_intv1> ] [ <eth_inrate2> ] [ <eth_inframes2> ] [ <eth_outrate2> ] [ <eth_outframes2> ] [ <eth_load_intv2> ] [ <eth_inrate3> ] [ <eth_inframes3> ] [ <eth_outrate3> ] [ <eth_outframes3> ] [ <eth_load_intv3> ] [ <fc_input_rate> ] [ <fc_frames_in> ] [ <fc_output_rate> ] [ <fc_frames_out> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
brief	Show interface counters in brief
<i>counter_val</i>	(Optional) Specify a single load interval id to show the rates
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>eth_inrate1</i>	(Optional) interval 1 input rate in mbps
<i>eth_inframes1</i>	(Optional) interval 1 input rate in frames (pkts)
<i>eth_outrate1</i>	(Optional) interval 1 output rate in mbps
<i>eth_outframes1</i>	(Optional) interval 1 output rate in output frames (pkts)
<i>eth_load_intv1</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate2</i>	(Optional) interval 2 input rate in mbps
<i>eth_inframes2</i>	(Optional) interval 2 input rate in frames (pkts)
<i>eth_outrate2</i>	(Optional) interval 2 output rate in mbps
<i>eth_outframes2</i>	(Optional) interval 2 output rate in output frames (pkts)
<i>eth_load_intv2</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate3</i>	(Optional) interval 3 input rate in mbps
<i>eth_inframes3</i>	(Optional) interval 3 input rate in frames (pkts)
<i>eth_outrate3</i>	(Optional) interval 3 output rate in mbps
<i>eth_outframes3</i>	(Optional) interval 3 output rate in output frames (pkts)
<i>eth_load_intv3</i>	(Optional) interval 3 timer value in sec

<i>fc_input_rate</i>	(Optional) Input rate
<i>fc_frames_in</i>	(Optional) Frames in
<i>fc_output_rate</i>	(Optional) Output rate
<i>fc_frames_out</i>	(Optional) Frames out

Command Mode

- /exec

show interface counters brief

```
show interface <ifeth_ctr_brf> counters brief [ <counter_val> ] [ __readonly__ TABLE_interface <interface>
<eth_inrate1> <eth_inframes1> <eth_outrate1> <eth_outframes1> <eth_load_intv1> <eth_inrate2>
<eth_inframes2> <eth_outrate2> <eth_outframes2> <eth_load_intv2> [ <eth_inrate3> <eth_inframes3>
<eth_outrate3> <eth_outframes3> <eth_load_intv3> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_brf</i>	Enter interface type and number in module/slot format
counters	Show interface counters
brief	Show interface counters in brief
<i>counter_val</i>	(Optional) Specify a single load interval id to show the rates
<i>__readonly__</i>	(Optional) Read Only
TABLE_interface	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>eth_inrate1</i>	(Optional) interval 1 input rate in mbps
<i>eth_inframes1</i>	(Optional) interval 1 input rate in frames (pkts)
<i>eth_outrate1</i>	(Optional) interval 1 output rate in mbps
<i>eth_outframes1</i>	(Optional) interval 1 output rate in output frames (pkts)
<i>eth_load_intv1</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate2</i>	(Optional) interval 2 input rate in mbps
<i>eth_inframes2</i>	(Optional) interval 2 input rate in frames (pkts)
<i>eth_outrate2</i>	(Optional) interval 2 output rate in mbps
<i>eth_outframes2</i>	(Optional) interval 2 output rate in output frames (pkts)
<i>eth_load_intv2</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate3</i>	(Optional) interval 3 input rate in mbps
<i>eth_inframes3</i>	(Optional) interval 3 input rate in frames (pkts)
<i>eth_outrate3</i>	(Optional) interval 3 output rate in mbps
<i>eth_outframes3</i>	(Optional) interval 3 output rate in output frames (pkts)

<i>eth_load_intv3</i>	(Optional) interval 3 timer value in sec
-----------------------	--

Command Mode

- /exec

show interface counters detailed

```
show interface <ifloop_ctr_dtl> counters detailed [ __readonly__ TABLE_interface <interface> [
<loop_in_pkts> ] [ <loop_in_bytes> ] [ <loop_in_mcast> ] [ <loop_in_compressed> ] [ <loop_in_errors> ]
[ <loop_in_frame> ] [ <loop_in_overrun> ] [ <loop_in_fifo> ] [ <loop_out_pkts> ] [ <loop_out_bytes> ] [
<loop_out_underruns> ] [ <loop_out_errors> ] [ <loop_out_collisions> ] [ <loop_out_fifo> ] [
<loop_out_carriers> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop_ctr_dtl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
<u>__readonly__</u>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>loop_in_pkts</i>	(Optional) Input packets
<i>loop_in_bytes</i>	(Optional) Input bytes
<i>loop_in_mcast</i>	(Optional) Input multicast
<i>loop_in_compressed</i>	(Optional) Input compressed
<i>loop_in_errors</i>	(Optional) Input errors
<i>loop_in_frame</i>	(Optional) Input frame errors
<i>loop_in_overrun</i>	(Optional) Input overrun
<i>loop_in_fifo</i>	(Optional) Input fifo
<i>loop_out_pkts</i>	(Optional) Output packets
<i>loop_out_bytes</i>	(Optional) Output bytes
<i>loop_out_underruns</i>	(Optional) Output underruns
<i>loop_out_errors</i>	(Optional) Output errors
<i>loop_out_collisions</i>	(Optional) Output collisions
<i>loop_out_fifo</i>	(Optional) Output fifo
<i>loop_out_carriers</i>	(Optional) Output carrier errors

Command Mode

- /exec

show interface counters detailed

```

show interface counters detailed [ snmp ] [ __readonly__ TABLE interface <interface> [ <vdc_lvl_in_pkts>
] [ <vdc_lvl_in_bytes> ] [ <vdc_lvl_in_ucast> ] [ <vdc_lvl_in_mcast> ] [ <vdc_lvl_in_bcast> ] [
<vdc_lvl_in_bps> ] [ <vdc_lvl_in_pps> ] [ <vdc_lvl_in_avg_pkts> ] [ <vdc_lvl_in_avg_bytes> ] [
<vdc_lvl_out_pkts> ] [ <vdc_lvl_out_bytes> ] [ <vdc_lvl_out_ucast> ] [ <vdc_lvl_out_mcast> ] [
<vdc_lvl_out_bcast> ] [ <vdc_lvl_out_bps> ] [ <vdc_lvl_out_pps> ] [ <vdc_lvl_out_avg_pkts> ] [
<vdc_lvl_out_avg_bytes> ] [ <mgmt_in_pkts> ] [ <mgmt_in_bytes> ] [ <mgmt_in_mcast> ] [
<mgmt_in_compressed> ] [ <mgmt_in_errors> ] [ <mgmt_in_frame> ] [ <mgmt_in_overrun> ] [
<mgmt_in_fifo> ] [ <mgmt_out_pkts> ] [ <mgmt_out_bytes> ] [ <mgmt_out_underruns> ] [
<mgmt_out_errors> ] [ <mgmt_out_collisions> ] [ <mgmt_out_fifo> ] [ <mgmt_out_carrier> ] [
<mgmt_align_err> ] [ <mgmt_fcs_err> ] [ <mgmt_xmit_err> ] [ <mgmt_rcv_err> ] [ <mgmt_undersize> ] [
<mgmt_outdisc> ] [ <mgmt_single_col> ] [ <mgmt_multi_col> ] [ <mgmt_late_col> ] [ <mgmt_excess_col>
] [ <mgmt_carri_sen> ] [ <mgmt_runs> ] [ <mgmt_giants> ] [ <mgmt_sqetest_err> ] [ <mgmt_deferred_tx>
] [ <mgmt_inmactx_err> ] [ <mgmt_inmacrx_err> ] [ <mgmt_symbol_err> ] [ <loop_in_pkts> ] [
<loop_in_bytes> ] [ <loop_in_mcast> ] [ <loop_in_compressed> ] [ <loop_in_errors> ] [ <loop_in_frame>
] [ <loop_in_overrun> ] [ <loop_in_fifo> ] [ <loop_out_pkts> ] [ <loop_out_bytes> ] [ <loop_out_underruns>
] [ <loop_out_errors> ] [ <loop_out_collisions> ] [ <loop_out_fifo> ] [ <loop_out_carriers> ] [
<eth_load_interval1_rx> ] [ <eth_inrate1_bits> ] [ <eth_inrate1_pkts> ] [ <eth_load_interval1_tx> ] [
<eth_outrate1_bits> ] [ <eth_outrate1_pkts> ] [ <eth_inrate1_summary_bits> ] [ <eth_inrate1_summary_pkts>
] [ <eth_outrate1_summary_bits> ] [ <eth_outrate1_summary_pkts> ] [ <eth_load_interval2_rx> ] [
<eth_inrate2_bits> ] [ <eth_inrate2_pkts> ] [ <eth_load_interval2_tx> ] [ <eth_outrate2_bits> ] [
<eth_outrate2_pkts> ] [ <eth_inrate2_summary_bits> ] [ <eth_inrate2_summary_pkts> ] [
<eth_outrate2_summary_bits> ] [ <eth_outrate2_summary_pkts> ] [ <eth_load_interval3_rx> ] [
<eth_inrate3_bits> ] [ <eth_inrate3_pkts> ] [ <eth_load_interval3_tx> ] [ <eth_outrate3_bits> ] [
<eth_outrate3_pkts> ] [ <eth_inrate3_summary_bits> ] [ <eth_inrate3_summary_pkts> ] [
<eth_outrate3_summary_bits> ] [ <eth_outrate3_summary_pkts> ] [ <eth_inpkts> ] [ <eth_inucast> ] [
<eth_inmcast> ] [ <eth_inbcast> ] [ <eth_ingiants> ] [ <eth_inbytes> ] [ <eth_storm_supp> ] [ <eth_inb64>
] [ <eth_inb65_127> ] [ <eth_inb128_255> ] [ <eth_inb256_511> ] [ <eth_inb512_1023> ] [
<eth_inb1024_1518> ] [ <eth_inb1519_1548> ] [ <eth_inb1519_2500> ] [ <eth_intrunk> ] [ <eth_outpkts>
] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast> ] [ <eth_outgiants> ] [ <eth_outbytes> ] [
<eth_outb64> ] [ <eth_outb65_127> ] [ <eth_outb128_255> ] [ <eth_outb256_511> ] [ <eth_outb512_1023>
] [ <eth_outb1024_1518> ] [ <eth_outb1519_1548> ] [ <eth_outb1519_2500> ] [ <eth_outtrunk> ] [
<eth_nobuf> ] [ <eth_runs> ] [ <eth_crc> ] [ <eth_ecc> ] [ <eth_overrun> ] [ <eth_underrun> ] [ <eth_ignored>
] [ <eth_bad_eth> ] [ <eth_bad_proto> ] [ <eth_in_ifdown_drops> ] [ <eth_coll> ] [ <eth_latecoll> ] [
<eth_lostcarrier> ] [ <eth_nocarrier> ] [ <eth_babbles> ] [ <eth_watchdog> ] [ <eth_dribble> ] [ <eth_inerr>
] [ <eth_outerr> ] [ <eth_deferred> ] [ <eth_jabbers> ] [ <eth_shortframe> ] [ <eth_single_coll> ] [
<eth_multi_coll> ] [ <eth_excess_coll> ] [ <eth_indiscard> ] [ <eth_bad_encap> ] [ <eth_outcrc> ] [
<eth_symbol> ] [ <eth_out_drops> ] [ <eth_bpdu_outlost> ] [ <eth_cos0_outlost> ] [ <eth_cos1_outlost> ] [
<eth_cos2_outlost> ] [ <eth_cos3_outlost> ] [ <eth_cos4_outlost> ] [ <eth_cos5_outlost> ] [ <eth_cos6_outlost>
] [ <eth_cos7_outlost> ] [ <eth_inpause> ] [ <eth_outpause> ] [ <eth_resets> ] [ <eth_sqetest> ] [
<eth_l2_ucastpkts> ] [ <eth_l2_ucastbytes> ] [ <eth_l2_mcastpkts> ] [ <eth_l2_mcastbytes> ] [
<eth_l2_bcastpkts> ] [ <eth_l2_bcastbytes> ] [ <eth_l3in_routed_pkts> ] [ <eth_l3in_routed_bytes> ] [
<eth_l3out_routed_pkts> ] [ <eth_l3out_routed_bytes> ] [ <eth_l3in_ucastpkts> ] [ <eth_l3in_ucastbytes> ]
] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_mcastbytes> ] [ <eth_l3in_bcastpkts> ] [ <eth_l3in_bcastbytes> ] [
<eth_l3out_ucastpkts> ] [ <eth_l3out_ucastbytes> ] [ <eth_l3out_mcastpkts> ] [ <eth_l3out_mcastbytes> ] [
<eth_l3out_bcastpkts> ] [ <eth_l3out_bcastbytes> ] [ <eth_l3avg1_inbytes> ] [ <eth_l3avg1_inpkts> ] [
<eth_l3avg1_outbytes> ] [ <eth_l3avg1_outpkts> ] [ <eth_ipmcast> ] [ <eth_inhw_switched> ] [
<eth_insw_switched> ] [ <eth_throtles> ] [ <eth_frame> ] [ <eth_outhw_switched> ] [ <eth_outsw_switched>
] [ <eth_buffail> ] [ <eth_bufswapped> ] [ <eth_arpdrops> ] [ <eth_out_ifdown_drops> ] [ <eth_fcoe_in_pkts>

```

```

][ <eth_fcoe_in_octets> ][ <eth_fcoe_out_pkts> ][ <eth_fcoe_out_octets> ][ <eth_nfcoe_in_pkts> ][
<eth_nfcoe_in_octets> ][ <eth_nfcoe_out_pkts> ][ <eth_nfcoe_out_octets> ][ <svi_routed_pkts_in> ][
<svi_routed_bytes_in> ][ <svi_routed_pkts_out> ][ <svi_routed_bytes_out> ][ <svi_ucast_pkts_in> ][
<svi_ucast_bytes_in> ][ <svi_mcast_pkts_in> ][ <svi_mcast_bytes_in> ][ <svi_ucast_pkts_out> ][
<svi_ucast_bytes_out> ][ <svi_mcast_pkts_out> ][ <svi_mcast_bytes_out> ][ <svi_ipv4_ucast_pkts_in> ][
<svi_ipv4_ucast_bytes_in> ][ <svi_ipv4_ucast_pkts_out> ][ <svi_ipv4_ucast_bytes_out> ][
<svi_ipv4_mcast_pkts_in> ][ <svi_ipv4_mcast_bytes_in> ][ <svi_ipv4_mcast_pkts_out> ][
<svi_ipv4_mcast_bytes_out> ][ <svi_ipv6_ucast_pkts_in> ][ <svi_ipv6_ucast_bytes_in> ][
<svi_ipv6_ucast_pkts_out> ][ <svi_ipv6_ucast_bytes_out> ][ <svi_ipv6_mcast_pkts_in> ][
<svi_ipv6_mcast_bytes_in> ][ <svi_ipv6_mcast_pkts_out> ][ <svi_ipv6_mcast_bytes_out> ][
<svi_average_input_bits> ][ <svi_average_input_packets> ][ <svi_average_output_bits> ][
<svi_average_output_packets> ][ <svi_rate_in_mins> ][ <svi_time_last_cleared> ][ <svi_tx_load> ][
<svi_rx_load> ][ <svi_reliability> ][ <input_rate_bit_per_sec> ][ <input_rate_bytes_per_sec> ][
<input_rate_frames_per_sec> ][ <output_rate_bit_per_sec> ][ <output_rate_bytes_per_sec> ][
<output_rate_frames_per_sec> ][ <in_frames> ][ <in_bytes> ][ <class_2_in_frames> ][ <class_2_in_bytes>
][ <class_3_in_frames> ][ <class_3_in_bytes> ][ <class_f_in_frames> ][ <class_f_in_bytes> ][
<class_2_3_in_frames> ][ <in_discards> ][ <in_errors> ][ <in_crc_fcs> ][ <in_unknown_class> ][
<in_too_long> ][ <in_too_short> ][ <out_frames> ][ <out_bytes> ][ <class_2_out_frames> ][
<class_2_out_bytes> ][ <class_3_out_frames> ][ <class_3_out_bytes> ][ <class_f_out_frames> ][
<class_f_out_bytes> ][ <class_2_3_out_frames> ][ <out_discards> ][ <out_errors> ][ <out_crc_fcs> ][
<timeout_discards> ][ <credit_loss> ][ <input_ols> ][ <input_lrr> ][ <input_nos> ][ <input_loop_inits> ][
<output_ols> ][ <output_lrr> ][ <output_nos> ][ <output_loop_inits> ][ <link_faliures> ][ <sync_loss>
][ <signal_loss> ][ <b2b_transmit> ][ <b2b_receive> ][ <txwait> ][ <tx_credit_unavbl> ][
<b2b_receive_remain> ][ <b2b_transmit_remain> ][ <low_priority_b2b_remain> ][ <off_seq_err_rcvd> ][
<broadcast_frames> ][ <errors> ][ <queue_drops> ][ <if_down_drops> ][ <red_drops> ][
<bad_ether_type_drops> ][ <bad_protocol_drops> ][ <arp_drops> ][ <reass_frames> ][ <timestamp_error>
][ <rx_b2b_perf_buff> ][ <rx_b2b_credit> ][ <tx_b2b_credit> ][ <tx_b2b_low_pri_cre> ][
<time_last_cleared> ] ]

```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
detailed	Show only non-zero counters
snmp	(Optional) Show SNMP MIB values
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
vdc_lvl_in_pkts	(Optional) VDC level input packets
vdc_lvl_in_bytes	(Optional) VDC level input bytes
vdc_lvl_in_ucast	(Optional) VDC level input unicast packets
vdc_lvl_in_mcast	(Optional) VDC level input multicast packets

<i>vdc_lvl_in_bcast</i>	(Optional) VDC level input broadcast packets
<i>vdc_lvl_in_bps</i>	(Optional) VDC level input bytes per second
<i>vdc_lvl_in_pps</i>	(Optional) VDC level input packets per second
<i>vdc_lvl_in_avg_pkts</i>	(Optional) VDC level average input packets
<i>vdc_lvl_in_avg_bytes</i>	(Optional) VDC level average input bytes
<i>vdc_lvl_out_pkts</i>	(Optional) VDC level output packets
<i>vdc_lvl_out_bytes</i>	(Optional) VDC level output bytes
<i>vdc_lvl_out_ucast</i>	(Optional) VDC level output unicast packets
<i>vdc_lvl_out_mcast</i>	(Optional) VDC level output multicast packets
<i>vdc_lvl_out_bcast</i>	(Optional) VDC level output broadcast packets
<i>vdc_lvl_out_bps</i>	(Optional) VDC level output bytes per second
<i>vdc_lvl_out_pps</i>	(Optional) VDC level output packets per second
<i>vdc_lvl_out_avg_pkts</i>	(Optional) VDC level average output packets
<i>vdc_lvl_out_avg_bytes</i>	(Optional) VDC level average output bytes
<i>mgmt_in_pkts</i>	(Optional) Input packets
<i>mgmt_in_bytes</i>	(Optional) Input bytes
<i>mgmt_in_mcast</i>	(Optional) Input multicast frames
<i>mgmt_in_compressed</i>	(Optional) Input compressed
<i>mgmt_in_errors</i>	(Optional) Input errors
<i>mgmt_in_frame</i>	(Optional) Input frame errors
<i>mgmt_in_overnrun</i>	(Optional) Input overrun
<i>mgmt_in_fifo</i>	(Optional) Input fifo
<i>mgmt_out_pkts</i>	(Optional) Output packets
<i>mgmt_out_bytes</i>	(Optional) Output bytes
<i>mgmt_out_underruns</i>	(Optional) Output overruns
<i>mgmt_out_errors</i>	(Optional) Output errors
<i>mgmt_out_collisions</i>	(Optional) Output collisions
<i>mgmt_out_fifo</i>	(Optional) Output fifo
<i>mgmt_out_carrier</i>	(Optional) Output carrier errors

<i>mgmt_align_err</i>	(Optional) Align error
<i>mgmt_fcs_err</i>	(Optional) FCS error
<i>mgmt_xmit_err</i>	(Optional) Transmit error
<i>mgmt_rcv_err</i>	(Optional) Receive error
<i>mgmt_undersize</i>	(Optional) Undersize
<i>mgmt_outdisc</i>	(Optional) Out discard
<i>mgmt_single_col</i>	(Optional) Single collision
<i>mgmt_multi_col</i>	(Optional) Multiple collision
<i>mgmt_late_col</i>	(Optional) Late collision
<i>mgmt_excess_col</i>	(Optional) Excess collision
<i>mgmt_carri_sen</i>	(Optional) Carrier sense
<i>mgmt_runts</i>	(Optional) Runts
<i>mgmt_giants</i>	(Optional) Giants
<i>mgmt_sqetest_err</i>	(Optional) SQETest error
<i>mgmt_deferred_tx</i>	(Optional) Deferred tx
<i>mgmt_inmactx_err</i>	(Optional) In MAC tx
<i>mgmt_inmacrx_err</i>	(Optional) In MAC rx
<i>mgmt_symbol_err</i>	(Optional) Symbol error
<i>loop_in_pkts</i>	(Optional) Input packets
<i>loop_in_bytes</i>	(Optional) Input bytes
<i>loop_in_mcast</i>	(Optional) Input multicast
<i>loop_in_compressed</i>	(Optional) Input compressed
<i>loop_in_errors</i>	(Optional) Input errors
<i>loop_in_frame</i>	(Optional) Input frame errors
<i>loop_in_overrun</i>	(Optional) Input overrun
<i>loop_in_fifo</i>	(Optional) Input fifo
<i>loop_out_pkts</i>	(Optional) Output packets
<i>loop_out_bytes</i>	(Optional) Output bytes
<i>loop_out_underruns</i>	(Optional) Output underruns

<i>loop_out_errors</i>	(Optional) Output errors
<i>loop_out_collisions</i>	(Optional) Output collisions
<i>loop_out_fifo</i>	(Optional) Output fifo
<i>loop_out_carriers</i>	(Optional) Output carrier errors
<i>eth_load_interval1_rx</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate1_bits</i>	(Optional) interval 1 input rate bits/sec
<i>eth_inrate1_pkts</i>	(Optional) interval 1 input rate pkts/sec
<i>eth_load_interval1_tx</i>	(Optional) interval 1 timer value in sec
<i>eth_outrate1_bits</i>	(Optional) interval 1 output rate bits/sec
<i>eth_outrate1_pkts</i>	(Optional) interval 1 output rate pkts/sec
<i>eth_inrate1_summary_bits</i>	(Optional) interval 1 input rate bit summary
<i>eth_inrate1_summary_pkts</i>	(Optional) interval 1 input rate pkt summary
<i>eth_outrate1_summary_bits</i>	(Optional) interval 1 output rate bit summary
<i>eth_outrate1_summary_pkts</i>	(Optional) interval 1 output rate pkt summary
<i>eth_load_interval2_rx</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate2_bits</i>	(Optional) interval 2 input rate bits/sec
<i>eth_inrate2_pkts</i>	(Optional) interval 2 input rate pkts/sec
<i>eth_load_interval2_tx</i>	(Optional) interval 2 timer value in sec
<i>eth_outrate2_bits</i>	(Optional) interval 2 output rate bits/sec
<i>eth_outrate2_pkts</i>	(Optional) interval 2 output rate pkts/sec
<i>eth_inrate2_summary_bits</i>	(Optional) interval 2 input rate bit summary
<i>eth_inrate2_summary_pkts</i>	(Optional) interval 2 input rate pkt summary
<i>eth_outrate2_summary_bits</i>	(Optional) interval 2 output rate bit summary
<i>eth_outrate2_summary_pkts</i>	(Optional) interval 2 output rate pkt summary
<i>eth_load_interval3_rx</i>	(Optional) interval 3 timer value in sec
<i>eth_inrate3_bits</i>	(Optional) interval 3 input rate bits/sec
<i>eth_inrate3_pkts</i>	(Optional) interval 3 input rate pkts/sec
<i>eth_load_interval3_tx</i>	(Optional) interval 3 timer value in sec
<i>eth_outrate3_bits</i>	(Optional) interval 3 output rate bits/sec

<i>eth_outrate3_pkts</i>	(Optional) interval 3 output rate pkts/sec
<i>eth_inrate3_summary_bits</i>	(Optional) interval 3 input rate bit summary
<i>eth_inrate3_summary_pkts</i>	(Optional) interval 3 input rate pkt summary
<i>eth_outrate3_summary_bits</i>	(Optional) interval 3 output rate bit summary
<i>eth_outrate3_summary_pkts</i>	(Optional) interval 3 output rate pkt summary
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_ingiants</i>	(Optional) giants
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_storm_supp</i>	(Optional) storm suppression
<i>eth_inb64</i>	(Optional) input pkts between 0 and 64 bytes
<i>eth_inb65_127</i>	(Optional) input pkts between 65 and 127 bytes
<i>eth_inb128_255</i>	(Optional) input pkts between 128 and 255 bytes
<i>eth_inb256_511</i>	(Optional) input pkts between 256 and 511 bytes
<i>eth_inb512_1023</i>	(Optional) input pkts between 512 and 1023 bytes
<i>eth_inb1024_1518</i>	(Optional) input pkts between 1024 and 1518 bytes
<i>eth_inb1519_1548</i>	(Optional) input pkts between 1519 and 1548 bytes
<i>eth_inb1519_2500</i>	(Optional) input pkts between 1519 and 2500 bytes
<i>eth_intrunk</i>	(Optional) input trunk pkts
<i>eth_outpkts</i>	(Optional) packets output
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outbcast</i>	(Optional) Broadcasts
<i>eth_outgiants</i>	(Optional) giants
<i>eth_outbytes</i>	(Optional) bytes output
<i>eth_outb64</i>	(Optional) output pkts between 0 and 64 bytes
<i>eth_outb65_127</i>	(Optional) output pkts between 65 and 127 bytes

<i>eth_outb128_255</i>	(Optional) output pkts between 128 and 255 bytes
<i>eth_outb256_511</i>	(Optional) output pkts between 256 and 511 bytes
<i>eth_outb512_1023</i>	(Optional) output pkts between 512 and 1023 bytes
<i>eth_outb1024_1518</i>	(Optional) output pkts between 1024 and 1518 bytes
<i>eth_outb1519_1548</i>	(Optional) output pkts between 1519 and 1548 bytes
<i>eth_outb1519_2500</i>	(Optional) output pkts between 1519 and 2500 bytes
<i>eth_outtrunk</i>	(Optional) output trunk pkts
<i>eth_nobuf</i>	(Optional) No buffer received
<i>eth_runts</i>	(Optional) runts
<i>eth_crc</i>	(Optional) CRC
<i>eth_ecc</i>	(Optional) ECC
<i>eth_overrun</i>	(Optional) overrun
<i>eth_underrun</i>	(Optional) underruns
<i>eth_ignored</i>	(Optional) ignored
<i>eth_bad_eth</i>	(Optional) bad ether type drop
<i>eth_bad_proto</i>	(Optional) bad protocol drops
<i>eth_in_ifdown_drops</i>	(Optional) Input if-down drops
<i>eth_coll</i>	(Optional) collisions
<i>eth_latecoll</i>	(Optional) late collision
<i>eth_lostcarrier</i>	(Optional) lost carrier
<i>eth_nocarrier</i>	(Optional) no carrier
<i>eth_babbles</i>	(Optional) babbles
<i>eth_watchdog</i>	(Optional) watchdog
<i>eth_dribble</i>	(Optional) input packets with dribble condition
<i>eth_inerr</i>	(Optional) input errors
<i>eth_outerr</i>	(Optional) output errors
<i>eth_deferred</i>	(Optional) deferred
<i>eth_jabbers</i>	(Optional) jabbers
<i>eth_shortframe</i>	(Optional) short frames

<i>eth_single_coll</i>	(Optional) single collisions
<i>eth_multi_coll</i>	(Optional) multi collisions
<i>eth_excess_coll</i>	(Optional) excessive collisions
<i>eth_indiscard</i>	(Optional) discards
<i>eth_bad_encap</i>	(Optional) bad encapsulation
<i>eth_outcrc</i>	(Optional) Output CRC
<i>eth_symbol</i>	(Optional) symbol errors
<i>eth_out_drops</i>	(Optional) output drops
<i>eth_bpdu_outlost</i>	(Optional) BPDU output lost
<i>eth_cos0_outlost</i>	(Optional) output pkts
<i>eth_cos1_outlost</i>	(Optional) output pkts
<i>eth_cos2_outlost</i>	(Optional) output pkts
<i>eth_cos3_outlost</i>	(Optional) output pkts
<i>eth_cos4_outlost</i>	(Optional) output pkts
<i>eth_cos5_outlost</i>	(Optional) output pkts
<i>eth_cos6_outlost</i>	(Optional) output pkts
<i>eth_cos7_outlost</i>	(Optional) output pkts
<i>eth_inpause</i>	(Optional) pause input
<i>eth_outpause</i>	(Optional) PAUSE output
<i>eth_resets</i>	(Optional) interface resets
<i>eth_sqetest</i>	(Optional) SQE test
<i>eth_l2_ucastpkts</i>	(Optional) L2 switched ucast pkts
<i>eth_l2_ucastbytes</i>	(Optional) L2 switched ucast bytes
<i>eth_l2_mcastpkts</i>	(Optional) L2 switched mcast pkts
<i>eth_l2_mcastbytes</i>	(Optional) L2 switched mcast bytes
<i>eth_l2_bcastpkts</i>	(Optional) L2 switched bcast pkts
<i>eth_l2_bcastbytes</i>	(Optional) L2 switched bcast bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 in switched ucast pkts
<i>eth_l3in_ucastbytes</i>	(Optional) L3 in switched ucast bytes

<i>eth_l3in_mcastpkts</i>	(Optional) L3 in switched mcast pkts
<i>eth_l3in_mcastbytes</i>	(Optional) L3 in switched mcast bytes
<i>eth_l3in_bcastpkts</i>	(Optional) L3 in switched bcast pkts
<i>eth_l3in_bcastbytes</i>	(Optional) L3 in switched bcast bytes
<i>eth_l3out_ucastpkts</i>	(Optional) L3 out switched ucast pkts
<i>eth_l3out_ucastbytes</i>	(Optional) L3 out switched ucast bytes
<i>eth_l3out_mcastpkts</i>	(Optional) L3 out switched mcast pkts
<i>eth_l3out_mcastbytes</i>	(Optional) L3 out switched mcast bytes
<i>eth_l3out_bcastpkts</i>	(Optional) L3 out switched bcast pkts
<i>eth_l3out_bcastbytes</i>	(Optional) L3 out switched bcast bytes
<i>eth_l3in_routed_pkts</i>	(Optional) L3 in routed pkts
<i>eth_l3in_routed_bytes</i>	(Optional) L3 in routed bytes
<i>eth_l3out_routed_pkts</i>	(Optional) L3 out routed pkts
<i>eth_l3out_routed_bytes</i>	(Optional) L3 out routed bytes
<i>eth_l3avg1_inbytes</i>	(Optional) Load interval 1 L3 average in switched bytes
<i>eth_l3avg1_inpkts</i>	(Optional) Load interval 1 L3 average in switched pkts
<i>eth_l3avg1_outbytes</i>	(Optional) Load interval 1 L3 average out switched bytes
<i>eth_l3avg1_outpkts</i>	(Optional) Load interval 1 L3 average out switched pkts
<i>eth_ipmcast</i>	(Optional) IP multicast
<i>eth_inhw_switched</i>	(Optional) Input H/W Switched
<i>eth_insw_switched</i>	(Optional) Input S/W Switched
<i>eth_throtles</i>	(Optional) throttles
<i>eth_frame</i>	(Optional) frame
<i>eth_outhw_switched</i>	(Optional) Out H/W Switched
<i>eth_outsw_switched</i>	(Optional) Out S/W Switched
<i>eth_buffail</i>	(Optional) output buffer failures
<i>eth_bufswapped</i>	(Optional) output buffers swapped out
<i>eth_arpdrops</i>	(Optional) arp drops
<i>eth_out_ifdown_drops</i>	(Optional) Output if-down drops

<i>eth_fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>eth_fcoe_in_octets</i>	(Optional) fcoe in octets
<i>eth_fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>eth_fcoe_out_octets</i>	(Optional) fcoe out octets
<i>eth_nfcoe_in_pkts</i>	(Optional) nfcoe in pkts
<i>eth_nfcoe_in_octets</i>	(Optional) nfcoe in octets
<i>eth_nfcoe_out_pkts</i>	(Optional) nfcoe out pkts
<i>eth_nfcoe_out_octets</i>	(Optional) nfcoe out octets
<i>svi_time_last_cleared</i>	(Optional) Time last cleared
<i>svi_tx_load</i>	(Optional) Tx Load
<i>svi_rx_load</i>	(Optional) Rx Load
<i>svi_reliability</i>	(Optional) Reliability
<i>input_rate_bit_per_sec</i>	(Optional) Input rate bits per second
<i>input_rate_bytes_per_sec</i>	(Optional) Input rate bytes per second
<i>input_rate_frames_per_sec</i>	(Optional) Input rate frames per second
<i>output_rate_bit_per_sec</i>	(Optional) Output rate bits per second
<i>output_rate_bytes_per_sec</i>	(Optional) Output rate bytes per second
<i>output_rate_frames_per_sec</i>	(Optional) Output rate frames per second
<i>in_frames</i>	(Optional) Frames
<i>in_bytes</i>	(Optional) Bytes
<i>class_2_in_frames</i>	(Optional) Class 2 frames
<i>class_2_in_bytes</i>	(Optional) Class 2 bytes
<i>class_3_in_frames</i>	(Optional) Class 3 frames
<i>class_3_in_bytes</i>	(Optional) Class 3 bytes
<i>class_f_in_frames</i>	(Optional) Class f frames
<i>class_f_in_bytes</i>	(Optional) Class f bytes
<i>class_2_3_in_frames</i>	(Optional) Class 2/3 Frames
<i>in_discards</i>	(Optional) Discards
<i>in_errors</i>	(Optional) Errors

<i>in_crc_fcs</i>	(Optional) CRC/FCS
<i>in_unknown_class</i>	(Optional) Unknown Class
<i>in_too_long</i>	(Optional) Frames too long
<i>in_too_short</i>	(Optional) Frames too short
<i>out_frames</i>	(Optional) Frames
<i>out_bytes</i>	(Optional) Bytes
<i>class_2_out_frames</i>	(Optional) Class 2 frames
<i>class_2_out_bytes</i>	(Optional) Class 2 bytes
<i>class_3_out_frames</i>	(Optional) Class 3 frames
<i>class_3_out_bytes</i>	(Optional) Class 3 bytes
<i>class_f_out_frames</i>	(Optional) Class f frames
<i>class_f_out_bytes</i>	(Optional) Class f bytes
<i>class_2_3_out_frames</i>	(Optional) Class 2/3 frames
<i>out_discards</i>	(Optional) Discards
<i>out_errors</i>	(Optional) Errors
<i>out_crc_fcs</i>	(Optional) CRC/FCS
<i>timeout_discards</i>	(Optional) Timeout Discards
<i>credit_loss</i>	(Optional) Credit Loss
<i>input_ols</i>	(Optional) input ols
<i>input_lrr</i>	(Optional) input LRR
<i>input_nos</i>	(Optional) input NOS
<i>input_loop_inits</i>	(Optional) input loop inits
<i>output_ols</i>	(Optional) output OLS
<i>output_lrr</i>	(Optional) output LRR
<i>output_nos</i>	(Optional) output NOS
<i>output_loop_inits</i>	(Optional) output loop inits
<i>link_faliures</i>	(Optional) link faliures
<i>sync_loss</i>	(Optional) Sync loss
<i>signal_loss</i>	(Optional) Signal loss

<i>b2b_transmit</i>	(Optional) B2B transmit
<i>b2b_receive</i>	(Optional) B2B receive
<i>txwait</i>	(Optional) TxWait
<i>tx_credit_unavbl</i>	(Optional) Tx credit unavaliable
<i>b2b_receive_remain</i>	(Optional) B2B receive remain
<i>b2b_transmit_remain</i>	(Optional) B2B transmit remain
<i>low_priority_b2b_remain</i>	(Optional) Low priority B2B credit remaining
<i>off_seq_err_rcvd</i>	(Optional) Offset Sequence Error Received
<i>broadcast_frames</i>	(Optional) Broadcast frames
<i>errors</i>	(Optional) Errors
<i>queue_drops</i>	(Optional) Queue drops
<i>if_down_drops</i>	(Optional) If down drops
<i>red_drops</i>	(Optional) Red drops
<i>bad_ether_type_drops</i>	(Optional) Bad ether type drops
<i>bad_protocol_drops</i>	(Optional) Bad Protocol Drops
<i>arp_drops</i>	(Optional) Arp Drops
<i>timestamp_error</i>	(Optional) Timestamp Error
<i>reass_frames</i>	(Optional) Reass Frames
<i>rx_b2b_perf_buff</i>	(Optional) RX B2B performance buffer
<i>rx_b2b_credit</i>	(Optional) RX B2B credit remaining
<i>tx_b2b_credit</i>	(Optional) TX B2B credit remaining
<i>tx_b2b_low_pri_cre</i>	(Optional) TX B2B low priority Credit
<i>time_last_cleared</i>	(Optional) Last time cleared

Command Mode

- /exec

show interface counters detailed

```
show interface <ifmgmt_ctr_dtl> counters detailed [ __readonly__ TABLE_interface <interface> [
<vdc_lvl_in_pkts> ] [ <vdc_lvl_in_bytes> ] [ <vdc_lvl_in_ucast> ] [ <vdc_lvl_in_mcast> ] [
<vdc_lvl_in_bcast> ] [ <vdc_lvl_in_bps> ] [ <vdc_lvl_in_pps> ] [ <vdc_lvl_in_avg_pkts> ] [
<vdc_lvl_in_avg_bytes> ] [ <vdc_lvl_out_pkts> ] [ <vdc_lvl_out_bytes> ] [ <vdc_lvl_out_ucast> ] [
<vdc_lvl_out_mcast> ] [ <vdc_lvl_out_bcast> ] [ <vdc_lvl_out_bps> ] [ <vdc_lvl_out_pps> ] [
<vdc_lvl_out_avg_pkts> ] [ <vdc_lvl_out_avg_bytes> ] [ <mgmt_in_pkts> ] [ <mgmt_in_bytes> ] [
<mgmt_in_mcast> ] [ <mgmt_in_compressed> ] [ <mgmt_in_errors> ] [ <mgmt_in_frame> ] [
<mgmt_in_overrun> ] [ <mgmt_in_fifo> ] [ <mgmt_out_pkts> ] [ <mgmt_out_bytes> ] [
<mgmt_out_underruns> ] [ <mgmt_out_errors> ] [ <mgmt_out_collisions> ] [ <mgmt_out_fifo> ] [
<mgmt_out_carrier> ] [ <mgmt_align_err> ] [ <mgmt_fcs_err> ] [ <mgmt_xmit_err> ] [ <mgmt_rcv_err> ] [
<mgmt_undersize> ] [ <mgmt_outdisc> ] [ <mgmt_single_col> ] [ <mgmt_multi_col> ] [ <mgmt_late_col> ] [
<mgmt_excess_col> ] [ <mgmt_carri_sen> ] [ <mgmt_runs> ] [ <mgmt_giants> ] [ <mgmt_sqetest_err> ] [
<mgmt_deferred_tx> ] [ <mgmt_inmactx_err> ] [ <mgmt_inmacrx_err> ] [ <mgmt_symbol_err> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt_ctr_dtl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
<u>__readonly__</u>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>vdc_lvl_in_pkts</i>	(Optional) VDC level input packets
<i>vdc_lvl_in_bytes</i>	(Optional) VDC level input bytes
<i>vdc_lvl_in_ucast</i>	(Optional) VDC level input unicast packets
<i>vdc_lvl_in_mcast</i>	(Optional) VDC level input multicast packets
<i>vdc_lvl_in_bcast</i>	(Optional) VDC level input broadcast packets
<i>vdc_lvl_in_bps</i>	(Optional) VDC level input bytes per second
<i>vdc_lvl_in_pps</i>	(Optional) VDC level input packets per second
<i>vdc_lvl_in_avg_pkts</i>	(Optional) VDC level average input packets
<i>vdc_lvl_in_avg_bytes</i>	(Optional) VDC level average input bytes
<i>vdc_lvl_out_pkts</i>	(Optional) VDC level output packets

<i>vdc_lvl_out_bytes</i>	(Optional) VDC level output bytes
<i>vdc_lvl_out_ucast</i>	(Optional) VDC level output unicast packets
<i>vdc_lvl_out_mcast</i>	(Optional) VDC level output multicast packets
<i>vdc_lvl_out_bcast</i>	(Optional) VDC level output broadcast packets
<i>vdc_lvl_out_bps</i>	(Optional) VDC level output bytes per second
<i>vdc_lvl_out_pps</i>	(Optional) VDC level output packets per second
<i>vdc_lvl_out_avg_pkts</i>	(Optional) VDC level average output packets
<i>vdc_lvl_out_avg_bytes</i>	(Optional) VDC level average output bytes
<i>mgmt_in_pkts</i>	(Optional) Input packets
<i>mgmt_in_bytes</i>	(Optional) Input bytes
<i>mgmt_in_mcast</i>	(Optional) Input multicast frames
<i>mgmt_in_compressed</i>	(Optional) Input compressed
<i>mgmt_in_errors</i>	(Optional) Input errors
<i>mgmt_in_frame</i>	(Optional) Input frame errors
<i>mgmt_in_overrun</i>	(Optional) Input overrun
<i>mgmt_in_fifo</i>	(Optional) Input fifo
<i>mgmt_out_pkts</i>	(Optional) Output packets
<i>mgmt_out_bytes</i>	(Optional) Output bytes
<i>mgmt_out_underruns</i>	(Optional) Output overruns
<i>mgmt_out_errors</i>	(Optional) Output errors
<i>mgmt_out_collisions</i>	(Optional) Output collisions
<i>mgmt_out_fifo</i>	(Optional) Output fifo
<i>mgmt_out_carrier</i>	(Optional) Output carrier errors
<i>mgmt_align_err</i>	(Optional) Align error
<i>mgmt_fcs_err</i>	(Optional) FCS error
<i>mgmt_xmit_err</i>	(Optional) Transmit error
<i>mgmt_rcv_err</i>	(Optional) Receive error
<i>mgmt_undersize</i>	(Optional) Undersize
<i>mgmt_outdisc</i>	(Optional) Out discard

<i>mgmt_single_col</i>	(Optional) Single collision
<i>mgmt_multi_col</i>	(Optional) Multiple collision
<i>mgmt_late_col</i>	(Optional) Late collision
<i>mgmt_excess_col</i>	(Optional) Excess collision
<i>mgmt_carri_sen</i>	(Optional) Carrier sense
<i>mgmt_runts</i>	(Optional) Runts
<i>mgmt_giants</i>	(Optional) Giants
<i>mgmt_sqetest_err</i>	(Optional) SQETest error
<i>mgmt_deferred_tx</i>	(Optional) Deferred tx
<i>mgmt_inmactx_err</i>	(Optional) In MAC tx
<i>mgmt_inmacrx_err</i>	(Optional) In MAC rx
<i>mgmt_symbol_err</i>	(Optional) Symbol error

Command Mode

- /exec

show interface counters detailed

```
show interface <ifeth_ctr_dtl> counters detailed [ snmp ] [ __readonly__ TABLE_interface <interface> [
<eth_load_interval1_rx> ] [ <eth_inrate1_bits> ] [ <eth_inrate1_pkts> ] [ <eth_load_interval1_tx> ] [
<eth_outrate1_bits> ] [ <eth_outrate1_pkts> ] [ <eth_inrate1_summary_bits> ] [ <eth_inrate1_summary_pkts>
] [ <eth_outrate1_summary_bits> ] [ <eth_outrate1_summary_pkts> ] [ <eth_load_interval2_rx> ] [
<eth_inrate2_bits> ] [ <eth_inrate2_pkts> ] [ <eth_load_interval2_tx> ] [ <eth_outrate2_bits> ] [
<eth_outrate2_pkts> ] [ <eth_inrate2_summary_bits> ] [ <eth_inrate2_summary_pkts> ] [
<eth_outrate2_summary_bits> ] [ <eth_outrate2_summary_pkts> ] [ <eth_load_interval3_rx> ] [
<eth_inrate3_bits> ] [ <eth_inrate3_pkts> ] [ <eth_load_interval3_tx> ] [ <eth_outrate3_bits> ] [
<eth_outrate3_pkts> ] [ <eth_inrate3_summary_bits> ] [ <eth_inrate3_summary_pkts> ] [
<eth_outrate3_summary_bits> ] [ <eth_outrate3_summary_pkts> ] [ <eth_inpkts> ] [ <eth_inucast> ] [
<eth_inmcast> ] [ <eth_inbcast> ] [ <eth_ingiants> ] [ <eth_inbytes> ] [ <eth_storm_supp> ] [ <eth_inb64>
] [ <eth_inb65_127> ] [ <eth_inb128_255> ] [ <eth_inb256_511> ] [ <eth_inb512_1023> ] [
<eth_inb1024_1518> ] [ <eth_inb1519_1548> ] [ <eth_inb1519_2500> ] [ <eth_intrunk> ] [ <eth_outpkts>
] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast> ] [ <eth_outgiants> ] [ <eth_outbytes> ] [
<eth_outb64> ] [ <eth_outb65_127> ] [ <eth_outb128_255> ] [ <eth_outb256_511> ] [ <eth_outb512_1023>
] [ <eth_outb1024_1518> ] [ <eth_outb1519_1548> ] [ <eth_outb1519_2500> ] [ <eth_outtrunk> ] [
<eth_nobuf> ] [ <eth_runts> ] [ <eth_crc> ] [ <eth_ecc> ] [ <eth_overnrun> ] [ <eth_underrun> ] [ <eth_ignored>
] [ <eth_bad_eth> ] [ <eth_bad_proto> ] [ <eth_in_ifdown_drops> ] [ <eth_coll> ] [ <eth_latecoll> ] [
<eth_lostcarrier> ] [ <eth_nocarrier> ] [ <eth_babbles> ] [ <eth_watchdog> ] [ <eth_dribble> ] [ <eth_inerr>
] [ <eth_outerr> ] [ <eth_deferred> ] [ <eth_jabbers> ] [ <eth_shortframe> ] [ <eth_single_coll> ] [
<eth_multi_coll> ] [ <eth_excess_coll> ] [ <eth_indiscard> ] [ <eth_bad_encap> ] [ <eth_outcrc> ] [
<eth_symbol> ] [ <eth_out_drops> ] [ <eth_bpdu_outlost> ] [ <eth_cos0_outlost> ] [ <eth_cos1_outlost> ] [
<eth_cos2_outlost> ] [ <eth_cos3_outlost> ] [ <eth_cos4_outlost> ] [ <eth_cos5_outlost> ] [ <eth_cos6_outlost>
] [ <eth_cos7_outlost> ] [ <eth_inpause> ] [ <eth_outpause> ] [ <eth_resets> ] [ <eth_sqetest> ] [
<eth_l2_ucastpkts> ] [ <eth_l2_ucastbytes> ] [ <eth_l2_mcastpkts> ] [ <eth_l2_mcastbytes> ] [
<eth_l2_bcastpkts> ] [ <eth_l2_bcastbytes> ] [ <eth_l3in_routed_pkts> ] [ <eth_l3in_routed_bytes> ] [
<eth_l3out_routed_pkts> ] [ <eth_l3out_routed_bytes> ] [ <eth_l3in_ucastpkts> ] [ <eth_l3in_ucastbytes> ] [
<eth_l3in_mcastpkts> ] [ <eth_l3in_mcastbytes> ] [ <eth_l3in_bcastpkts> ] [ <eth_l3in_bcastbytes> ] [
<eth_l3out_ucastpkts> ] [ <eth_l3out_ucastbytes> ] [ <eth_l3out_mcastpkts> ] [ <eth_l3out_mcastbytes> ] [
<eth_l3out_bcastpkts> ] [ <eth_l3out_bcastbytes> ] [ <eth_l3avg1_inbytes> ] [ <eth_l3avg1_inpkts> ] [
<eth_l3avg1_outbytes> ] [ <eth_l3avg1_outpkts> ] [ <eth_ipmcast> ] [ <eth_inhw_switched> ] [
<eth_insw_switched> ] [ <eth_throtles> ] [ <eth_frame> ] [ <eth_outhw_switched> ] [ <eth_outsw_switched>
] [ <eth_buffail> ] [ <eth_bufswapped> ] [ <eth_arpdrops> ] [ <eth_out_ifdown_drops> ] [ <eth_fcoe_in_pkts>
] [ <eth_fcoe_in_octets> ] [ <eth_fcoe_out_pkts> ] [ <eth_fcoe_out_octets> ] [ <eth_nfcoe_in_pkts> ] [
<eth_nfcoe_in_octets> ] [ <eth_nfcoe_out_pkts> ] [ <eth_nfcoe_out_octets> ] ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_dtl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
snmp	(Optional) Show SNMP MIB values

<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE <i>interface</i>	(Optional) show interface
<i>eth_load_interval1_rx</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate1_bits</i>	(Optional) interval 1 input rate bits/sec
<i>eth_inrate1_pkts</i>	(Optional) interval 1 input rate pkts/sec
<i>eth_load_interval1_tx</i>	(Optional) interval 1 timer value in sec
<i>eth_outrate1_bits</i>	(Optional) interval 1 output rate bits/sec
<i>eth_outrate1_pkts</i>	(Optional) interval 1 output rate pkts/sec
<i>eth_inrate1_summary_bits</i>	(Optional) interval 1 input rate bit summary
<i>eth_inrate1_summary_pkts</i>	(Optional) interval 1 input rate pkt summary
<i>eth_outrate1_summary_bits</i>	(Optional) interval 1 output rate bit summary
<i>eth_outrate1_summary_pkts</i>	(Optional) interval 1 output rate pkt summary
<i>eth_load_interval2_rx</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate2_bits</i>	(Optional) interval 2 input rate bits/sec
<i>eth_inrate2_pkts</i>	(Optional) interval 2 input rate pkts/sec
<i>eth_load_interval2_tx</i>	(Optional) interval 2 timer value in sec
<i>eth_outrate2_bits</i>	(Optional) interval 2 output rate bits/sec
<i>eth_outrate2_pkts</i>	(Optional) interval 2 output rate pkts/sec
<i>eth_inrate2_summary_bits</i>	(Optional) interval 2 input rate bit summary
<i>eth_inrate2_summary_pkts</i>	(Optional) interval 2 input rate pkt summary
<i>eth_outrate2_summary_bits</i>	(Optional) interval 2 output rate bit summary
<i>eth_outrate2_summary_pkts</i>	(Optional) interval 2 output rate pkt summary
<i>eth_load_interval3_rx</i>	(Optional) interval 3 timer value in sec
<i>eth_inrate3_bits</i>	(Optional) interval 3 input rate bits/sec
<i>eth_inrate3_pkts</i>	(Optional) interval 3 input rate pkts/sec
<i>eth_load_interval3_tx</i>	(Optional) interval 3 timer value in sec
<i>eth_outrate3_bits</i>	(Optional) interval 3 output rate bits/sec
<i>eth_outrate3_pkts</i>	(Optional) interval 3 output rate pkts/sec

<i>eth_inrate3_summary_bits</i>	(Optional) interval 3 input rate bit summary
<i>eth_inrate3_summary_pkts</i>	(Optional) interval 3 input rate pkt summary
<i>eth_outrate3_summary_bits</i>	(Optional) interval 3 output rate bit summary
<i>eth_outrate3_summary_pkts</i>	(Optional) interval 3 output rate pkt summary
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_ingiants</i>	(Optional) giants
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_storm_supp</i>	(Optional) storm suppression
<i>eth_inb64</i>	(Optional) input pkts between 0 and 64 bytes
<i>eth_inb65_127</i>	(Optional) input pkts between 65 and 127 bytes
<i>eth_inb128_255</i>	(Optional) input pkts between 128 and 255 bytes
<i>eth_inb256_511</i>	(Optional) input pkts between 256 and 511 bytes
<i>eth_inb512_1023</i>	(Optional) input pkts between 512 and 1023 bytes
<i>eth_inb1024_1518</i>	(Optional) input pkts between 1024 and 1518 bytes
<i>eth_inb1519_1548</i>	(Optional) input pkts between 1519 and 1548 bytes
<i>eth_inb1519_2500</i>	(Optional) input pkts between 1519 and 2500 bytes
<i>eth_intrunk</i>	(Optional) input trunk pkts
<i>eth_outpkts</i>	(Optional) packets output
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outbcast</i>	(Optional) Broadcasts
<i>eth_outgiants</i>	(Optional) giants
<i>eth_outbytes</i>	(Optional) bytes output
<i>eth_outb64</i>	(Optional) output pkts between 0 and 64 bytes
<i>eth_outb65_127</i>	(Optional) output pkts between 65 and 127 bytes
<i>eth_outb128_255</i>	(Optional) output pkts between 128 and 255 bytes

<i>eth_outb256_511</i>	(Optional) output pkts between 256 and 511 bytes
<i>eth_outb512_1023</i>	(Optional) output pkts between 512 and 1023 bytes
<i>eth_outb1024_1518</i>	(Optional) output pkts between 1024 and 1518 bytes
<i>eth_outb1519_1548</i>	(Optional) output pkts between 1519 and 1548 bytes
<i>eth_outb1519_2500</i>	(Optional) output pkts between 1519 and 2500 bytes
<i>eth_outtrunk</i>	(Optional) output trunk pkts
<i>eth_nobuf</i>	(Optional) No buffer received
<i>eth_runts</i>	(Optional) runts
<i>eth_crc</i>	(Optional) CRC
<i>eth_ecc</i>	(Optional) ECC
<i>eth_overrun</i>	(Optional) overrun
<i>eth_underrun</i>	(Optional) underruns
<i>eth_ignored</i>	(Optional) ignored
<i>eth_bad_eth</i>	(Optional) bad ether type drop
<i>eth_bad_proto</i>	(Optional) bad protocol drops
<i>eth_in_ifdown_drops</i>	(Optional) Input if-down drops
<i>eth_coll</i>	(Optional) collisions
<i>eth_latecoll</i>	(Optional) late collision
<i>eth_lostcarrier</i>	(Optional) lost carrier
<i>eth_nocarrier</i>	(Optional) no carrier
<i>eth_babbles</i>	(Optional) babbles
<i>eth_watchdog</i>	(Optional) watchdog
<i>eth_dribble</i>	(Optional) input packets with dribble condition
<i>eth_inerr</i>	(Optional) input errors
<i>eth_outerr</i>	(Optional) output errors
<i>eth_deferred</i>	(Optional) deferred
<i>eth_jabbers</i>	(Optional) jabbers
<i>eth_shortframe</i>	(Optional) short frames
<i>eth_single_coll</i>	(Optional) single collisions

<i>eth_multi_coll</i>	(Optional) multi collisions
<i>eth_excess_coll</i>	(Optional) excessive collisions
<i>eth_indiscard</i>	(Optional) discards
<i>eth_bad_encap</i>	(Optional) bad encapsulation
<i>eth_outcrc</i>	(Optional) Output CRC
<i>eth_symbol</i>	(Optional) symbol errors
<i>eth_out_drops</i>	(Optional) output drops
<i>eth_bpdu_outlost</i>	(Optional) BPDU output lost
<i>eth_cos0_outlost</i>	(Optional) output pkts
<i>eth_cos1_outlost</i>	(Optional) output pkts
<i>eth_cos2_outlost</i>	(Optional) output pkts
<i>eth_cos3_outlost</i>	(Optional) output pkts
<i>eth_cos4_outlost</i>	(Optional) output pkts
<i>eth_cos5_outlost</i>	(Optional) output pkts
<i>eth_cos6_outlost</i>	(Optional) output pkts
<i>eth_cos7_outlost</i>	(Optional) output pkts
<i>eth_inpause</i>	(Optional) pause input
<i>eth_outpause</i>	(Optional) PAUSE output
<i>eth_resets</i>	(Optional) interface resets
<i>eth_sqetest</i>	(Optional) SQE test
<i>eth_l2_ucastpkts</i>	(Optional) L2 switched ucast pkts
<i>eth_l2_ucastbytes</i>	(Optional) L2 switched ucast bytes
<i>eth_l2_mcastpkts</i>	(Optional) L2 switched mcast pkts
<i>eth_l2_mcastbytes</i>	(Optional) L2 switched mcast bytes
<i>eth_l2_bcastpkts</i>	(Optional) L2 switched bcast pkts
<i>eth_l2_bcastbytes</i>	(Optional) L2 switched bcast bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 in switched ucast pkts
<i>eth_l3in_ucastbytes</i>	(Optional) L3 in switched ucast bytes
<i>eth_l3in_mcastpkts</i>	(Optional) L3 in switched mcast pkts

<i>eth_l3in_mcastbytes</i>	(Optional) L3 in switched mcast bytes
<i>eth_l3in_bcastpkts</i>	(Optional) L3 in switched bcast pkts
<i>eth_l3in_bcastbytes</i>	(Optional) L3 in switched bcast bytes
<i>eth_l3out_ucastpkts</i>	(Optional) L3 out switched ucast pkts
<i>eth_l3out_ucastbytes</i>	(Optional) L3 out switched ucast bytes
<i>eth_l3out_mcastpkts</i>	(Optional) L3 out switched mcast pkts
<i>eth_l3out_mcastbytes</i>	(Optional) L3 out switched mcast bytes
<i>eth_l3out_bcastpkts</i>	(Optional) L3 out switched bcast pkts
<i>eth_l3out_bcastbytes</i>	(Optional) L3 out switched bcast bytes
<i>eth_l3in_routed_pkts</i>	(Optional) L3 in routed pkts
<i>eth_l3in_routed_bytes</i>	(Optional) L3 in routed bytes
<i>eth_l3out_routed_pkts</i>	(Optional) L3 out routed pkts
<i>eth_l3out_routed_bytes</i>	(Optional) L3 out routed bytes
<i>eth_l3avg1_inbytes</i>	(Optional) Load interval 1 L3 average in switched bytes
<i>eth_l3avg1_inpkts</i>	(Optional) Load interval 1 L3 average in switched pkts
<i>eth_l3avg1_outbytes</i>	(Optional) Load interval 1 L3 average out switched bytes
<i>eth_l3avg1_outpkts</i>	(Optional) Load interval 1 L3 average out switched pkts
<i>eth_ipmcast</i>	(Optional) IP multicast
<i>eth_inhw_switched</i>	(Optional) Input H/W Switched
<i>eth_insw_switched</i>	(Optional) Input S/W Switched
<i>eth_throtles</i>	(Optional) throttles
<i>eth_frame</i>	(Optional) frame
<i>eth_outhw_switched</i>	(Optional) Out H/W Switched
<i>eth_outsw_switched</i>	(Optional) Out S/W Switched
<i>eth_buffail</i>	(Optional) output buffer failures
<i>eth_bufswapped</i>	(Optional) output buffers swapped out
<i>eth_arpdrops</i>	(Optional) arp drops
<i>eth_out_ifdown_drops</i>	(Optional) Output if-down drops
<i>eth_fcoe_in_pkts</i>	(Optional) fcoe in pkts

<i>eth_fcoe_in_octets</i>	(Optional) fcoe in octets
<i>eth_fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>eth_fcoe_out_octets</i>	(Optional) fcoe out octets
<i>eth_nfcoe_in_pkts</i>	(Optional) nfcoe in pkts
<i>eth_nfcoe_in_octets</i>	(Optional) nfcoe in octets
<i>eth_nfcoe_out_pkts</i>	(Optional) nfcoe out pkts
<i>eth_nfcoe_out_octets</i>	(Optional) nfcoe out octets

Command Mode

- /exec

show interface counters detailed all

```
show interface <ifrange> counters detailed all [ snmp ] [ __readonly__ TABLE_interface <interface> [
<svi_routed_pkts_in> ] [ <svi_routed_bytes_in> ] [ <svi_routed_pkts_out> ] [ <svi_routed_bytes_out> ] [
<svi_ucast_pkts_in> ] [ <svi_ucast_bytes_in> ] [ <svi_mcast_pkts_in> ] [ <svi_mcast_bytes_in> ] [
<svi_ucast_pkts_out> ] [ <svi_ucast_bytes_out> ] [ <svi_mcast_pkts_out> ] [ <svi_mcast_bytes_out> ] [
<svi_ipv4_ucast_pkts_in> ] [ <svi_ipv4_ucast_bytes_in> ] [ <svi_ipv4_ucast_pkts_out> ] [
<svi_ipv4_ucast_bytes_out> ] [ <svi_ipv4_mcast_pkts_in> ] [ <svi_ipv4_mcast_bytes_in> ] [
<svi_ipv4_mcast_pkts_out> ] [ <svi_ipv4_mcast_bytes_out> ] [ <svi_ipv6_ucast_pkts_in> ] [
<svi_ipv6_ucast_bytes_in> ] [ <svi_ipv6_ucast_pkts_out> ] [ <svi_ipv6_ucast_bytes_out> ] [
<svi_ipv6_mcast_pkts_in> ] [ <svi_ipv6_mcast_bytes_in> ] [ <svi_ipv6_mcast_pkts_out> ] [
<svi_ipv6_mcast_bytes_out> ] [ <svi_average_input_bits> ] [ <svi_average_input_packets> ] [
<svi_average_output_bits> ] [ <svi_average_output_packets> ] [ <svi_rate_in_mins> ] [
<svi_time_last_cleared> ] [ <svi_tx_load> ] [ <svi_rx_load> ] [ <svi_reliability> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	everything
snmp	(Optional) Show SNMP MIB values
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>svi_time_last_cleared</i>	(Optional) Time last cleared
<i>svi_tx_load</i>	(Optional) Tx Load
<i>svi_rx_load</i>	(Optional) Rx Load
<i>svi_reliability</i>	(Optional) Reliability

Command Mode

- /exec

show interface counters detailed all

show interface <ifid_ctr_dtl_all> counters detailed all [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed all

```
show interface <ifmgmt_ctr_dtl_all> counters detailed all [ __readonly__ TABLE_interface <interface> [
<vdc_lvl_in_pkts> ] [ <vdc_lvl_in_bytes> ] [ <vdc_lvl_in_ucast> ] [ <vdc_lvl_in_mcast> ] [
<vdc_lvl_in_bcast> ] [ <vdc_lvl_in_bps> ] [ <vdc_lvl_in_pps> ] [ <vdc_lvl_in_avg_pkts> ] [
<vdc_lvl_in_avg_bytes> ] [ <vdc_lvl_out_pkts> ] [ <vdc_lvl_out_bytes> ] [ <vdc_lvl_out_ucast> ] [
<vdc_lvl_out_mcast> ] [ <vdc_lvl_out_bcast> ] [ <vdc_lvl_out_bps> ] [ <vdc_lvl_out_pps> ] [
<vdc_lvl_out_avg_pkts> ] [ <vdc_lvl_out_avg_bytes> ] [ <mgmt_in_pkts> ] [ <mgmt_in_bytes> ] [
<mgmt_in_mcast> ] [ <mgmt_out_pkts> ] [ <mgmt_out_bytes> ] [ <mgmt_in_errors> ] [ <mgmt_out_errors> ] [
<mgmt_in_fifo> ] [ <mgmt_out_fifo> ] [ <mgmt_in_compressed> ] [ <mgmt_in_frame> ] [
<mgmt_in_overrun> ] [ <mgmt_out_underruns> ] [ <mgmt_out_collisions> ] [ <mgmt_out_carrier> ] [
<mgmt_align_err> ] [ <mgmt_fcs_err> ] [ <mgmt_xmit_err> ] [ <mgmt_rcv_err> ] [ <mgmt_undersize> ] [
<mgmt_outdisc> ] [ <mgmt_single_col> ] [ <mgmt_multi_col> ] [ <mgmt_late_col> ] [ <mgmt_excess_col> ] [
<mgmt_carri_sen> ] [ <mgmt_runs> ] [ <mgmt_giants> ] [ <mgmt_sqetest_err> ] [ <mgmt_deferred_tx> ] [
<mgmt_inmactx_err> ] [ <mgmt_inmacrx_err> ] [ <mgmt_symbol_err> ] ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter
<u>__readonly__</u>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>vdc_lvl_in_pkts</i>	(Optional) VDC level input packets
<i>vdc_lvl_in_bytes</i>	(Optional) VDC level input bytes
<i>vdc_lvl_in_ucast</i>	(Optional) VDC level input unicast packets
<i>vdc_lvl_in_mcast</i>	(Optional) VDC level input multicast packets
<i>vdc_lvl_in_bcast</i>	(Optional) VDC level input broadcast packets
<i>vdc_lvl_in_bps</i>	(Optional) VDC level input bytes per second
<i>vdc_lvl_in_pps</i>	(Optional) VDC level input packets per second
<i>vdc_lvl_in_avg_pkts</i>	(Optional) VDC level average input packets
<i>vdc_lvl_in_avg_bytes</i>	(Optional) VDC level average input bytes

<i>vdc_lvl_out_pkts</i>	(Optional) VDC level output packets
<i>vdc_lvl_out_bytes</i>	(Optional) VDC level output bytes
<i>vdc_lvl_out_ucast</i>	(Optional) VDC level output unicast packets
<i>vdc_lvl_out_mcast</i>	(Optional) VDC level output multicast packets
<i>vdc_lvl_out_bcast</i>	(Optional) VDC level output broadcast packets
<i>vdc_lvl_out_bps</i>	(Optional) VDC level output bytes per second
<i>vdc_lvl_out_pps</i>	(Optional) VDC level output packets per second
<i>vdc_lvl_out_avg_pkts</i>	(Optional) VDC level average output packets
<i>vdc_lvl_out_avg_bytes</i>	(Optional) VDC level average output bytes
<i>mgmt_in_pkts</i>	(Optional) Input packets
<i>mgmt_in_bytes</i>	(Optional) Input bytes
<i>mgmt_in_mcast</i>	(Optional) Input multicast frames
<i>mgmt_out_pkts</i>	(Optional) Output packets
<i>mgmt_out_bytes</i>	(Optional) Output bytes
<i>mgmt_in_errors</i>	(Optional) Input errors
<i>mgmt_out_errors</i>	(Optional) Output errors
<i>mgmt_in_fifo</i>	(Optional) Input fifo
<i>mgmt_out_fifo</i>	(Optional) Output fifo
<i>mgmt_in_compressed</i>	(Optional) Input compressed
<i>mgmt_in_frame</i>	(Optional) Input frame errors
<i>mgmt_in_overnrun</i>	(Optional) Input overrun
<i>mgmt_out_underruns</i>	(Optional) Output overruns
<i>mgmt_out_collisions</i>	(Optional) Output collisions
<i>mgmt_out_carrier</i>	(Optional) Output carrier errors
<i>mgmt_align_err</i>	(Optional) Align error
<i>mgmt_fcs_err</i>	(Optional) FCS error
<i>mgmt_xmit_err</i>	(Optional) Transmit error
<i>mgmt_rcv_err</i>	(Optional) Receive error
<i>mgmt_undersize</i>	(Optional) Undersize

<i>mgmt_outdisc</i>	(Optional) Out discard
<i>mgmt_single_col</i>	(Optional) Single collision
<i>mgmt_multi_col</i>	(Optional) Multiple collision
<i>mgmt_late_col</i>	(Optional) Late collision
<i>mgmt_excess_col</i>	(Optional) Excess collision
<i>mgmt_carri_sen</i>	(Optional) Carrier sense
<i>mgmt_runts</i>	(Optional) Runts
<i>mgmt_giants</i>	(Optional) Giants
<i>mgmt_sqetest_err</i>	(Optional) SQETest error
<i>mgmt_deferred_tx</i>	(Optional) Deferred tx
<i>mgmt_inmactx_err</i>	(Optional) In MAC tx
<i>mgmt_inmacrx_err</i>	(Optional) In MAC rx
<i>mgmt_symbol_err</i>	(Optional) Symbol error

Command Mode

- /exec

show interface counters detailed all

```
show interface <ifloop_ctr_dtl_all> counters detailed all [ __readonly__ TABLE_interface <interface> [
<rx_total_pkts> ] [ <tx_total_pkts> ] [ <rx_mcast_pkts> ] [ <rx_octets> ] [ <tx_octets> ] [ <loop_in_pkts> ]
[ <loop_in_bytes> ] [ <loop_in_mcast> ] [ <loop_in_compressed> ] [ <loop_in_errors> ] [ <loop_in_frame>
] [ <loop_in_overrun> ] [ <loop_in_fifo> ] [ <loop_out_pkts> ] [ <loop_out_bytes> ] [ <loop_out_underruns>
] [ <loop_out_errors> ] [ <loop_out_collisions> ] [ <loop_out_fifo> ] [ <loop_out_carriers> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter
<u>__readonly__</u>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>rx_total_pkts</i>	(Optional) total input packets
<i>tx_total_pkts</i>	(Optional) total output packets
<i>rx_mcast_pkts</i>	(Optional) input multicasts
<i>rx_octets</i>	(Optional) input bytes
<i>tx_octets</i>	(Optional) output bytes
<i>loop_in_pkts</i>	(Optional) Input packets
<i>loop_in_bytes</i>	(Optional) Input bytes
<i>loop_in_mcast</i>	(Optional) Input multicast
<i>loop_in_compressed</i>	(Optional) Input compressed
<i>loop_in_errors</i>	(Optional) Input errors
<i>loop_in_frame</i>	(Optional) Input frame errors
<i>loop_in_overrun</i>	(Optional) Input overrun
<i>loop_in_fifo</i>	(Optional) Input fifo
<i>loop_out_pkts</i>	(Optional) Output packets

<i>loop_out_bytes</i>	(Optional) Output bytes
<i>loop_out_underruns</i>	(Optional) Output underruns
<i>loop_out_errors</i>	(Optional) Output errors
<i>loop_out_collisions</i>	(Optional) Output collisions
<i>loop_out_fifo</i>	(Optional) Output fifo
<i>loop_out_carriers</i>	(Optional) Output carrier errors

Command Mode

- /exec

show interface counters detailed all

```

show interface <ifeth_ctr_dtl_all> counters detailed all [ snmp ] [ __readonly__ TABLE interface <interface>
[ <rx_total_pkts> ] [ <tx_total_pkts> ] [ <rx_ucast_pkts> ] [ <rx_mcast_pkts> ] [ <rx_bcast_pkts> ] [
<rx_octets> ] [ <tx_ucast_pkts> ] [ <tx_mcast_pkts> ] [ <tx_bcast_pkts> ] [ <tx_octets> ] [
<rxtx_pkts_64octets> ] [ <rxtx_pkts_65_127octets> ] [ <rxtx_pkts_128_255octets> ] [
<rxtx_pkts_256_511octets> ] [ <rxtx_pkts_512_1023octets> ] [ <rxtx_pkts_1024_1518octets> ] [
<rxtx_pkts_1519_1548octets> ] [ <rxtx_pkts_1519_2500octets> ] [ <rx_trunk_frames> ] [ <tx_trunk_frames>
] [ <rx_drop_events> ] [ <rxtx_giants> ] [ <eth_load_interval1_rx> ] [ <eth_inrate1_bits> ] [ <eth_inrate1_pkts>
] [ <eth_load_interval1_tx> ] [ <eth_outrate1_bits> ] [ <eth_outrate1_pkts> ] [ <eth_inrate1_summary_bits>
] [ <eth_inrate1_summary_pkts> ] [ <eth_outrate1_summary_bits> ] [ <eth_outrate1_summary_pkts> ] [
<eth_load_interval2_rx> ] [ <eth_inrate2_bits> ] [ <eth_inrate2_pkts> ] [ <eth_load_interval2_tx> ] [
<eth_outrate2_bits> ] [ <eth_outrate2_pkts> ] [ <eth_inrate2_summary_bits> ] [ <eth_inrate2_summary_pkts>
] [ <eth_outrate2_summary_bits> ] [ <eth_outrate2_summary_pkts> ] [ <eth_load_interval3_rx> ] [
<eth_inrate3_bits> ] [ <eth_inrate3_pkts> ] [ <eth_load_interval3_tx> ] [ <eth_outrate3_bits> ] [
<eth_outrate3_pkts> ] [ <eth_inrate3_summary_bits> ] [ <eth_inrate3_summary_pkts> ] [
<eth_outrate3_summary_bits> ] [ <eth_outrate3_summary_pkts> ] [ <eth_l2_ucastpkts> ] [ <eth_l2_ucastbytes>
] [ <eth_l2_mcastpkts> ] [ <eth_l2_mcastbytes> ] [ <eth_l2_bcastpkts> ] [ <eth_l2_bcastbytes> ] [
<eth_l3in_ucastpkts> ] [ <eth_l3in_ucastbytes> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_mcastbytes> ] [
<eth_l3in_bcastpkts> ] [ <eth_l3in_bcastbytes> ] [ <eth_l3out_ucastpkts> ] [ <eth_l3out_ucastbytes> ] [
<eth_l3out_mcastpkts> ] [ <eth_l3out_mcastbytes> ] [ <eth_l3out_bcastpkts> ] [ <eth_l3out_bcastbytes> ] [
<eth_l3in_routed_pkts> ] [ <eth_l3in_routed_bytes> ] [ <eth_l3out_routed_pkts> ] [ <eth_l3out_routed_bytes>
] [ <eth_l3avg1_inbytes> ] [ <eth_l3avg1_inpkts> ] [ <eth_l3avg1_outbytes> ] [ <eth_l3avg1_outpkts> ] [
<eth_l3avg2_inbytes> ] [ <eth_l3avg2_inpkts> ] [ <eth_l3avg2_outbytes> ] [ <eth_l3avg2_outpkts> ] [
<eth_l3avg3_inbytes> ] [ <eth_l3avg3_inpkts> ] [ <eth_l3avg3_outbytes> ] [ <eth_l3avg3_outpkts> ] [
<eth_inpkts> ] [ <eth_inbytes> ] [ <eth_nobuf> ] [ <eth_inbcast> ] [ <eth_inmcast> ] [ <eth_inucast> ] [
<eth_ingiants> ] [ <eth_ipmcast> ] [ <eth_inhw_switched> ] [ <eth_insw_switched> ] [ <eth_runts> ] [
<eth_storm_supp> ] [ <eth_throtles> ] [ <eth_inerr> ] [ <eth_crc> ] [ <eth_ecc> ] [ <eth_frame> ] [
<eth_outrun> ] [ <eth_ignored> ] [ <eth_watchdog> ] [ <eth_outbcast> ] [ <eth_outmcast> ] [ <eth_outucast>
] [ <eth_outgiants> ] [ <eth_inpause> ] [ <eth_dribble> ] [ <eth_in_ifdown_drops> ] [ <eth_bad_eth> ] [
<eth_bad_proto> ] [ <eth_outpkts> ] [ <eth_outbytes> ] [ <eth_underrun> ] [ <eth_outhw_switched> ] [
<eth_outsw_switched> ] [ <eth_outerr> ] [ <eth_coll> ] [ <eth_resets> ] [ <eth_babbles> ] [ <eth_latecoll> ]
[ <eth_deferred> ] [ <eth_lostcarrier> ] [ <eth_nocarrier> ] [ <eth_outpause> ] [ <eth_buffail> ] [
<eth_bufswapped> ] [ <eth_arpdrops> ] [ <eth_out_ifdown_drops> ] [ <eth_single_coll> ] [ <eth_multi_coll>
] [ <eth_excess_coll> ] [ <eth_jabbers> ] [ <eth_shortframe> ] [ <eth_indiscard> ] [ <eth_bad_encap> ] [
<eth_outcrc> ] [ <eth_symbol> ] [ <eth_out_drops> ] [ <eth_sqetest> ] [ <eth_inb64> ] [ <eth_inb65_127>
] [ <eth_inb128_255> ] [ <eth_inb256_511> ] [ <eth_inb512_1023> ] [ <eth_inb1024_1518> ] [
<eth_inb1519_1548> ] [ <eth_inb1519_2500> ] [ <eth_intrunk> ] [ <eth_outb64> ] [ <eth_outb65_127> ] [
<eth_outb128_255> ] [ <eth_outb256_511> ] [ <eth_outb512_1023> ] [ <eth_outb1024_1518> ] [
<eth_outb1519_1548> ] [ <eth_outb1519_2500> ] [ <eth_outtrunk> ] [ <eth_bpdu_outlost> ] [
<eth_cos0_outlost> ] [ <eth_cos1_outlost> ] [ <eth_cos2_outlost> ] [ <eth_cos3_outlost> ] [ <eth_cos4_outlost>
] [ <eth_cos5_outlost> ] [ <eth_cos6_outlost> ] [ <eth_cos7_outlost> ] [ <eth_fcoe_in_pkts> ] [
<eth_fcoe_in_octets> ] [ <eth_fcoe_out_pkts> ] [ <eth_fcoe_out_octets> ] [ <eth_nfcoe_in_pkts> ] [
<eth_nfcoe_in_octets> ] [ <eth_nfcoe_out_pkts> ] [ <eth_nfcoe_out_octets> ] [ <eth_eee_atx_lpi_msec> ] [
<eth_eee_arcv_lpi_msec> ] [ <eth_eee_atx_lpi_transitions> ] [ <eth_eee_arcv_lpi_transitions> ] [
<eth_phy_ber_count> ] [ <eth_phy_errblks_count> ] [ <eth_tx_frm_error> ] [ <eth_rx_toolong> ] [
<eth_rx_undersize> ] [ <eth_rx_fragment> ] [ <eth_rx_crcerr_not_stomped> ] [ <eth_rx_crcerr_stomped> ]
[ <eth_rx_inrangeerr> ] ]

```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	everything
snmp	(Optional) Show SNMP MIB values
<u>__readonly__</u>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>rx_total_pkts</i>	(Optional) total input packets
<i>tx_total_pkts</i>	(Optional) total output packets
<i>rx_ucast_pkts</i>	(Optional) input unicasts
<i>rx_mcast_pkts</i>	(Optional) input multicasts
<i>rx_bcast_pkts</i>	(Optional) input broadcasts
<i>rx_octets</i>	(Optional) input bytes
<i>tx_ucast_pkts</i>	(Optional) output unicasts
<i>tx_mcast_pkts</i>	(Optional) output multicasts
<i>tx_bcast_pkts</i>	(Optional) output broadcasts
<i>tx_octets</i>	(Optional) output bytes
<i>rxtx_pkts_64octets</i>	(Optional) all pkts between 0 and 64 bytes
<i>rxtx_pkts_65_127octets</i>	(Optional) all pkts between 65 and 127 bytes
<i>rxtx_pkts_128_255octets</i>	(Optional) all pkts between 128 and 255 bytes
<i>rxtx_pkts_256_511octets</i>	(Optional) all pkts between 256 and 511 bytes
<i>rxtx_pkts_512_1023octets</i>	(Optional) all pkts between 512 and 1023 bytes
<i>rxtx_pkts_1024_1518octets</i>	(Optional) all pkts between 1024 and 1518 bytes
<i>rxtx_pkts_1519_1548octets</i>	(Optional) all pkts between 1519 and 1548 bytes
<i>rxtx_pkts_1519_2500octets</i>	(Optional) all pkts between 1519 and 2500 bytes
<i>rx_trunk_frames</i>	(Optional) input trunk pkts

show interface counters detailed all

<i>tx_trunk_frames</i>	(Optional) output trunk pkts
<i>rx_drop_events</i>	(Optional) dropped pkts
<i>rxtx_giants</i>	(Optional) giants
<i>eth_load_interval1_rx</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate1_bits</i>	(Optional) interval 1 input rate bits/sec
<i>eth_inrate1_pkts</i>	(Optional) interval 1 input rate pkts/sec
<i>eth_load_interval1_tx</i>	(Optional) interval 1 timer value in sec
<i>eth_outrate1_bits</i>	(Optional) interval 1 output rate bits/sec
<i>eth_outrate1_pkts</i>	(Optional) interval 1 output rate pkts/sec
<i>eth_inrate1_summary_bits</i>	(Optional) interval 1 input rate bit summary
<i>eth_inrate1_summary_pkts</i>	(Optional) interval 1 input rate pkt summary
<i>eth_outrate1_summary_bits</i>	(Optional) interval 1 output rate bit summary
<i>eth_outrate1_summary_pkts</i>	(Optional) interval 1 output rate pkt summary
<i>eth_load_interval2_rx</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate2_bits</i>	(Optional) interval 2 input rate bits/sec
<i>eth_inrate2_pkts</i>	(Optional) interval 2 input rate pkts/sec
<i>eth_load_interval2_tx</i>	(Optional) interval 2 timer value in sec
<i>eth_outrate2_bits</i>	(Optional) interval 2 output rate bits/sec
<i>eth_outrate2_pkts</i>	(Optional) interval 2 output rate pkts/sec
<i>eth_inrate2_summary_bits</i>	(Optional) interval 2 input rate bit summary
<i>eth_inrate2_summary_pkts</i>	(Optional) interval 2 input rate pkt summary
<i>eth_outrate2_summary_bits</i>	(Optional) interval 2 output rate bit summary
<i>eth_outrate2_summary_pkts</i>	(Optional) interval 2 output rate pkt summary
<i>eth_load_interval3_rx</i>	(Optional) interval 3 timer value in sec
<i>eth_inrate3_bits</i>	(Optional) interval 3 input rate bits/sec
<i>eth_inrate3_pkts</i>	(Optional) interval 3 input rate pkts/sec
<i>eth_load_interval3_tx</i>	(Optional) interval 3 timer value in sec
<i>eth_outrate3_bits</i>	(Optional) interval 3 output rate bits/sec
<i>eth_outrate3_pkts</i>	(Optional) interval 3 output rate pkts/sec

<i>eth_inrate3_summary_bits</i>	(Optional) interval 3 input rate bit summary
<i>eth_inrate3_summary_pkts</i>	(Optional) interval 3 input rate pkt summary
<i>eth_outrate3_summary_bits</i>	(Optional) interval 3 output rate bit summary
<i>eth_outrate3_summary_pkts</i>	(Optional) interval 3 output rate pkt summary
<i>eth_l2_ucastpkts</i>	(Optional) L2 switched ucast pkts
<i>eth_l2_ucastbytes</i>	(Optional) L2 switched ucast bytes
<i>eth_l2_mcastpkts</i>	(Optional) L2 switched mcast pkts
<i>eth_l2_mcastbytes</i>	(Optional) L2 switched mcast bytes
<i>eth_l2_bcastpkts</i>	(Optional) L2 switched bcast pkts
<i>eth_l2_bcastbytes</i>	(Optional) L2 switched bcast bytes
<i>eth_l3in_ucastpkts</i>	(Optional) IPv4 L3 in switched ucast pkts
<i>eth_l3in_ucastbytes</i>	(Optional) IPv4 L3 in switched ucast bytes
<i>eth_l3in_mcastpkts</i>	(Optional) IPv4 L3 in switched mcast pkts
<i>eth_l3in_mcastbytes</i>	(Optional) IPv4 L3 in switched mcast bytes
<i>eth_l3in_bcastpkts</i>	(Optional) L3 in switched bcast pkts
<i>eth_l3in_bcastbytes</i>	(Optional) L3 in switched bcast bytes
<i>eth_l3out_ucastpkts</i>	(Optional) IPv4 L3 out switched ucast pkts
<i>eth_l3out_ucastbytes</i>	(Optional) IPv4 L3 out switched ucast bytes
<i>eth_l3out_mcastpkts</i>	(Optional) IPv4 L3 out switched mcast pkts
<i>eth_l3out_mcastbytes</i>	(Optional) IPv4 L3 out switched mcast bytes
<i>eth_l3out_bcastpkts</i>	(Optional) L3 out switched bcast pkts
<i>eth_l3out_bcastbytes</i>	(Optional) L3 out switched bcast bytes
<i>eth_l3in_routed_pkts</i>	(Optional) L3 in routed pkts
<i>eth_l3in_routed_bytes</i>	(Optional) L3 in routed bytes
<i>eth_l3out_routed_pkts</i>	(Optional) L3 out routed pkts
<i>eth_l3out_routed_bytes</i>	(Optional) L3 out routed bytes
<i>eth_l3avg1_inbytes</i>	(Optional) Load interval 1 L3 average in switched bytes
<i>eth_l3avg1_inpkts</i>	(Optional) Load interval 1 L3 average in switched pkts
<i>eth_l3avg1_outbytes</i>	(Optional) Load interval 1 L3 average out switched bytes

<i>eth_l3avg1_outpkts</i>	(Optional) Load interval 1 L3 average out switched pkts
<i>eth_l3avg2_inbytes</i>	(Optional) Load interval 2 L3 average in switched bytes
<i>eth_l3avg2_inpkts</i>	(Optional) Load interval 2 L3 average in switched pkts
<i>eth_l3avg2_outbytes</i>	(Optional) Load interval 2 L3 average out switched bytes
<i>eth_l3avg2_outpkts</i>	(Optional) Load interval 2 L3 average out switched pkts
<i>eth_l3avg3_inbytes</i>	(Optional) Load interval 3 L3 average in switched bytes
<i>eth_l3avg3_inpkts</i>	(Optional) Load interval 3 L3 average in switched pkts
<i>eth_l3avg3_outbytes</i>	(Optional) Load interval 3 L3 average out switched bytes
<i>eth_l3avg3_outpkts</i>	(Optional) Load interval 3 L3 average out switched pkts
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_nobuf</i>	(Optional) No buffer received
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_ingiants</i>	(Optional) giants
<i>eth_ipmcast</i>	(Optional) IP multicast
<i>eth_inhw_switched</i>	(Optional) Input H/W Switched
<i>eth_insw_switched</i>	(Optional) Input S/W Switched
<i>eth_runts</i>	(Optional) runts
<i>eth_storm_supp</i>	(Optional) storm suppression
<i>eth_throtles</i>	(Optional) throttles
<i>eth_inerr</i>	(Optional) input errors
<i>eth_crc</i>	(Optional) CRC
<i>eth_ecc</i>	(Optional) ECC
<i>eth_frame</i>	(Optional) frame
<i>eth_overrun</i>	(Optional) overrun
<i>eth_ignored</i>	(Optional) ignored
<i>eth_watchdog</i>	(Optional) watchdog

<i>eth_outbroadcast</i>	(Optional) Broadcasts
<i>eth_outmulticast</i>	(Optional) Multicasts
<i>eth_outunicast</i>	(Optional) Unicasts
<i>eth_outgiants</i>	(Optional) giants
<i>eth_inpause</i>	(Optional) pause input
<i>eth_dribble</i>	(Optional) input packets with dribble condition
<i>eth_in_ifdown_drops</i>	(Optional) Input if-down drops
<i>eth_bad_eth</i>	(Optional) bad ether type drop
<i>eth_bad_proto</i>	(Optional) bad protocol drops
<i>eth_outpkts</i>	(Optional) packets output
<i>eth_outbytes</i>	(Optional) bytes output
<i>eth_underrun</i>	(Optional) underruns
<i>eth_outhw_switched</i>	(Optional) Out H/W Switched
<i>eth_outsw_switched</i>	(Optional) Out S/W Switched
<i>eth_outerr</i>	(Optional) output errors
<i>eth_coll</i>	(Optional) collisions
<i>eth_resets</i>	(Optional) interface resets
<i>eth_babbles</i>	(Optional) babbles
<i>eth_latecoll</i>	(Optional) late collision
<i>eth_deferred</i>	(Optional) deferred
<i>eth_lostcarrier</i>	(Optional) lost carrier
<i>eth_nocarrier</i>	(Optional) no carrier
<i>eth_outpause</i>	(Optional) PAUSE output
<i>eth_buffail</i>	(Optional) output buffer failures
<i>eth_bufswapped</i>	(Optional) output buffers swapped out
<i>eth_arpdrops</i>	(Optional) arp drops
<i>eth_out_ifdown_drops</i>	(Optional) Output if-down drops
<i>eth_single_coll</i>	(Optional) single collisions
<i>eth_multi_coll</i>	(Optional) multi collisions

<i>eth_excess_coll</i>	(Optional) excessive collisions
<i>eth_jabbers</i>	(Optional) jabbers
<i>eth_shortframe</i>	(Optional) short frames
<i>eth_indiscard</i>	(Optional) discards
<i>eth_bad_encap</i>	(Optional) bad encapsulation
<i>eth_outcrc</i>	(Optional) Output CRC
<i>eth_symbol</i>	(Optional) symbol errors
<i>eth_out_drops</i>	(Optional) output drops
<i>eth_sqetest</i>	(Optional) SQE test
<i>eth_inb64</i>	(Optional) input pkts between 0 and 64 bytes
<i>eth_inb65_127</i>	(Optional) input pkts between 65 and 127 bytes
<i>eth_inb128_255</i>	(Optional) input pkts between 128 and 255 bytes
<i>eth_inb256_511</i>	(Optional) input pkts between 256 and 511 bytes
<i>eth_inb512_1023</i>	(Optional) input pkts between 512 and 1023 bytes
<i>eth_inb1024_1518</i>	(Optional) input pkts between 1024 and 1518 bytes
<i>eth_inb1519_1548</i>	(Optional) input pkts between 1519 and 1548 bytes
<i>eth_inb1519_2500</i>	(Optional) input pkts between 1519 and 2500 bytes
<i>eth_intrunk</i>	(Optional) input trunk pkts
<i>eth_outb64</i>	(Optional) output pkts between 0 and 64 bytes
<i>eth_outb65_127</i>	(Optional) output pkts between 65 and 127 bytes
<i>eth_outb128_255</i>	(Optional) output pkts between 128 and 255 bytes
<i>eth_outb256_511</i>	(Optional) output pkts between 256 and 511 bytes
<i>eth_outb512_1023</i>	(Optional) output pkts between 512 and 1023 bytes
<i>eth_outb1024_1518</i>	(Optional) output pkts between 1024 and 1518 bytes
<i>eth_outb1519_1548</i>	(Optional) output pkts between 1519 and 1548 bytes
<i>eth_outb1519_2500</i>	(Optional) output pkts between 1519 and 2500 bytes
<i>eth_outtrunk</i>	(Optional) output trunk pkts
<i>eth_bpdu_outlost</i>	(Optional) BPDU output lost
<i>eth_cos0_outlost</i>	(Optional) output pkts

<i>eth_cos1_outlost</i>	(Optional) output pkts
<i>eth_cos2_outlost</i>	(Optional) output pkts
<i>eth_cos3_outlost</i>	(Optional) output pkts
<i>eth_cos4_outlost</i>	(Optional) output pkts
<i>eth_cos5_outlost</i>	(Optional) output pkts
<i>eth_cos6_outlost</i>	(Optional) output pkts
<i>eth_cos7_outlost</i>	(Optional) output pkts
<i>eth_fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>eth_fcoe_in_octets</i>	(Optional) fcoe in octets
<i>eth_fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>eth_fcoe_out_octets</i>	(Optional) fcoe out octets
<i>eth_nfcoe_in_pkts</i>	(Optional) nfcoe in pkts
<i>eth_nfcoe_in_octets</i>	(Optional) nfcoe in octets
<i>eth_nfcoe_out_pkts</i>	(Optional) nfcoe out pkts
<i>eth_nfcoe_out_octets</i>	(Optional) nfcoe out octets
<i>eth_eee_atx_lpi_msec</i>	(Optional) Tx Lpi usec
<i>eth_eee_arcv_lpi_msec</i>	(Optional) Rx Lpi usec
<i>eth_eee_atx_lpi_transitions</i>	(Optional) Tx Lpi requests
<i>eth_eee_arcv_lpi_transitions</i>	(Optional) Rx Lpi indications
<i>eth_phy_ber_count</i>	(Optional) Bit error rate counter
<i>eth_phy_errblks_count</i>	(Optional) Errored blocks counter
<i>eth_tx_frm_error</i>	(Optional) tx frame error
<i>eth_rx_toolong</i>	(Optional) rx toolong error
<i>eth_rx_undersize</i>	(Optional) rx undersize
<i>eth_rx_fragment</i>	(Optional) rx fragment
<i>eth_rx_crcerr_not_stomped</i>	(Optional) rx crcerr not stomped
<i>eth_rx_crcerr_stomped</i>	(Optional) rx crcerr stomped
<i>eth_rx_inrangeerr</i>	(Optional) rx inrange error

Command Mode

show interface counters detailed all

- /exec

show interface counters detailed cached

```

show interface <ifeth_ctr_dtl_all> counters detailed cached [ __readonly__ TABLE interface <interface> [
<rx_total_pkts>][<tx_total_pkts>][<rx_ucast_pkts>][<rx_mcast_pkts>][<rx_bcast_pkts>][<rx_octets>]
][<tx_ucast_pkts>][<tx_mcast_pkts>][<tx_bcast_pkts>][<tx_octets>][<rxtx_pkts_64octets>][
<rxtx_pkts_65_127octets>][<rxtx_pkts_128_255octets>][<rxtx_pkts_256_511octets>][
<rxtx_pkts_512_1023octets>][<rxtx_pkts_1024_1518octets>][<rxtx_pkts_1519_1548octets>][
<rxtx_pkts_1519_2500octets>][<rx_trunk_frames>][<tx_trunk_frames>][<rx_drop_events>][
<rxtx_giants>][<eth_load_interval1_rx>][<eth_inrate1_bits>][<eth_inrate1_pkts>][
<eth_load_interval1_tx>][<eth_outrate1_bits>][<eth_outrate1_pkts>][<eth_inrate1_summary_bits>]
[<eth_inrate1_summary_pkts>][<eth_outrate1_summary_bits>][<eth_outrate1_summary_pkts>][
<eth_load_interval2_rx>][<eth_inrate2_bits>][<eth_inrate2_pkts>][<eth_load_interval2_tx>][
<eth_outrate2_bits>][<eth_outrate2_pkts>][<eth_inrate2_summary_bits>][<eth_inrate2_summary_pkts>]
][<eth_outrate2_summary_bits>][<eth_outrate2_summary_pkts>][<eth_load_interval3_rx>][
<eth_inrate3_bits>][<eth_inrate3_pkts>][<eth_load_interval3_tx>][<eth_outrate3_bits>][
<eth_outrate3_pkts>][<eth_inrate3_summary_bits>][<eth_inrate3_summary_pkts>][
<eth_outrate3_summary_bits>][<eth_outrate3_summary_pkts>][<eth_l2_ucastpkts>][<eth_l2_ucastbytes>]
][<eth_l2_mcastpkts>][<eth_l2_mcastbytes>][<eth_l2_bcastpkts>][<eth_l2_bcastbytes>][
<eth_l3in_ucastpkts>][<eth_l3in_ucastbytes>][<eth_l3in_mcastpkts>][<eth_l3in_mcastbytes>][
<eth_l3in_bcastpkts>][<eth_l3in_bcastbytes>][<eth_l3out_ucastpkts>][<eth_l3out_ucastbytes>][
<eth_l3out_mcastpkts>][<eth_l3out_mcastbytes>][<eth_l3out_bcastpkts>][<eth_l3out_bcastbytes>][
<eth_l3in_routed_pkts>][<eth_l3in_routed_bytes>][<eth_l3out_routed_pkts>][<eth_l3out_routed_bytes>]
][<eth_l3avg1_inbytes>][<eth_l3avg1_inpkts>][<eth_l3avg1_outbytes>][<eth_l3avg1_outpkts>][
<eth_l3avg2_inbytes>][<eth_l3avg2_inpkts>][<eth_l3avg2_outbytes>][<eth_l3avg2_outpkts>][
<eth_l3avg3_inbytes>][<eth_l3avg3_inpkts>][<eth_l3avg3_outbytes>][<eth_l3avg3_outpkts>][
<eth_inpkts>][<eth_inbytes>][<eth_nobuf>][<eth_inbcast>][<eth_inmcast>][<eth_inucast>][
<eth_ingiants>][<eth_ipmcast>][<eth_inhw_switched>][<eth_insw_switched>][<eth_runts>][
<eth_storm_supp>][<eth_throtles>][<eth_inerr>][<eth_crc>][<eth_ecc>][<eth_frame>][
<eth_outrun>][<eth_ignored>][<eth_watchdog>][<eth_outbcast>][<eth_outmcast>][<eth_outucast>]
][<eth_outgiants>][<eth_inpause>][<eth_dribble>][<eth_in_ifdown_drops>][<eth_bad_eth>][
<eth_bad_proto>][<eth_outpkts>][<eth_outbytes>][<eth_underrun>][<eth_outhw_switched>][
<eth_outsw_switched>][<eth_outerr>][<eth_coll>][<eth_resets>][<eth_babbles>][<eth_latecoll>]
][<eth_deferred>][<eth_lostcarrier>][<eth_nocarrier>][<eth_outpause>][<eth_buffail>][
<eth_bufswapped>][<eth_arpdrops>][<eth_out_ifdown_drops>][<eth_single_coll>][<eth_multi_coll>]
][<eth_excess_coll>][<eth_jabbers>][<eth_shortframe>][<eth_indiscard>][<eth_bad_encap>][
<eth_outcrc>][<eth_symbol>][<eth_out_drops>][<eth_sqetest>][<eth_inb64>][<eth_inb65_127>]
][<eth_inb128_255>][<eth_inb256_511>][<eth_inb512_1023>][<eth_inb1024_1518>][
<eth_inb1519_1548>][<eth_inb1519_2500>][<eth_intrunk>][<eth_outb64>][<eth_outb65_127>][
<eth_outb128_255>][<eth_outb256_511>][<eth_outb512_1023>][<eth_outb1024_1518>][
<eth_outb1519_1548>][<eth_outb1519_2500>][<eth_outtrunk>][<eth_bpdu_outlost>][
<eth_cos0_outlost>][<eth_cos1_outlost>][<eth_cos2_outlost>][<eth_cos3_outlost>][<eth_cos4_outlost>]
][<eth_cos5_outlost>][<eth_cos6_outlost>][<eth_cos7_outlost>][<eth_fcoe_in_pkts>][
<eth_fcoe_in_octets>][<eth_fcoe_out_pkts>][<eth_fcoe_out_octets>][<eth_nfcoe_in_pkts>][
<eth_nfcoe_in_octets>][<eth_nfcoe_out_pkts>][<eth_nfcoe_out_octets>][<eth_eee_atx_lpi_msec>][
<eth_eee_arcv_lpi_msec>][<eth_eee_atx_lpi_transitions>][<eth_eee_arcv_lpi_transitions>][
<eth_phy_ber_count>][<eth_phy_errblks_count>][<eth_tx_frm_error>][<eth_rx_toolong>][
<eth_rx_undersize>][<eth_rx_fragment>][<eth_rx_crcerr_not_stomped>][<eth_rx_crcerr_stomped>]
[<eth_rx_inrangeerr>]]

```

Syntax Description

show interface counters detailed cached

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
cached	everything cached
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>rx_total_pkts</i>	(Optional) total input packets
<i>tx_total_pkts</i>	(Optional) total output packets
<i>rx_ucast_pkts</i>	(Optional) input unicasts
<i>rx_mcast_pkts</i>	(Optional) input multicasts
<i>rx_bcast_pkts</i>	(Optional) input broadcasts
<i>rx_octets</i>	(Optional) input bytes
<i>tx_ucast_pkts</i>	(Optional) output unicasts
<i>tx_mcast_pkts</i>	(Optional) output multicasts
<i>tx_bcast_pkts</i>	(Optional) output broadcasts
<i>tx_octets</i>	(Optional) output bytes
<i>rxtx_pkts_64octets</i>	(Optional) all pkts between 0 and 64 bytes
<i>rxtx_pkts_65_127octets</i>	(Optional) all pkts between 65 and 127 bytes
<i>rxtx_pkts_128_255octets</i>	(Optional) all pkts between 128 and 255 bytes
<i>rxtx_pkts_256_511octets</i>	(Optional) all pkts between 256 and 511 bytes
<i>rxtx_pkts_512_1023octets</i>	(Optional) all pkts between 512 and 1023 bytes
<i>rxtx_pkts_1024_1518octets</i>	(Optional) all pkts between 1024 and 1518 bytes
<i>rxtx_pkts_1519_1548octets</i>	(Optional) all pkts between 1519 and 1548 bytes
<i>rxtx_pkts_1519_2500octets</i>	(Optional) all pkts between 1519 and 2500 bytes
<i>rx_trunk_frames</i>	(Optional) input trunk pkts
<i>tx_trunk_frames</i>	(Optional) output trunk pkts

<i>rx_drop_events</i>	(Optional) dropped pkts
<i>rxtx_giants</i>	(Optional) giants
<i>eth_load_interval1_rx</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate1_bits</i>	(Optional) interval 1 input rate bits/sec
<i>eth_inrate1_pkts</i>	(Optional) interval 1 input rate pkts/sec
<i>eth_load_interval1_tx</i>	(Optional) interval 1 timer value in sec
<i>eth_outrate1_bits</i>	(Optional) interval 1 output rate bits/sec
<i>eth_outrate1_pkts</i>	(Optional) interval 1 output rate pkts/sec
<i>eth_inrate1_summary_bits</i>	(Optional) interval 1 input rate bit summary
<i>eth_inrate1_summary_pkts</i>	(Optional) interval 1 input rate pkt summary
<i>eth_outrate1_summary_bits</i>	(Optional) interval 1 output rate bit summary
<i>eth_outrate1_summary_pkts</i>	(Optional) interval 1 output rate pkt summary
<i>eth_load_interval2_rx</i>	(Optional) interval 2 timer value in sec
<i>eth_inrate2_bits</i>	(Optional) interval 2 input rate bits/sec
<i>eth_inrate2_pkts</i>	(Optional) interval 2 input rate pkts/sec
<i>eth_load_interval2_tx</i>	(Optional) interval 2 timer value in sec
<i>eth_outrate2_bits</i>	(Optional) interval 2 output rate bits/sec
<i>eth_outrate2_pkts</i>	(Optional) interval 2 output rate pkts/sec
<i>eth_inrate2_summary_bits</i>	(Optional) interval 2 input rate bit summary
<i>eth_inrate2_summary_pkts</i>	(Optional) interval 2 input rate pkt summary
<i>eth_outrate2_summary_bits</i>	(Optional) interval 2 output rate bit summary
<i>eth_outrate2_summary_pkts</i>	(Optional) interval 2 output rate pkt summary
<i>eth_load_interval3_rx</i>	(Optional) interval 3 timer value in sec
<i>eth_inrate3_bits</i>	(Optional) interval 3 input rate bits/sec
<i>eth_inrate3_pkts</i>	(Optional) interval 3 input rate pkts/sec
<i>eth_load_interval3_tx</i>	(Optional) interval 3 timer value in sec
<i>eth_outrate3_bits</i>	(Optional) interval 3 output rate bits/sec
<i>eth_outrate3_pkts</i>	(Optional) interval 3 output rate pkts/sec
<i>eth_inrate3_summary_bits</i>	(Optional) interval 3 input rate bit summary

show interface counters detailed cached

<i>eth_inrate3_summary_pkts</i>	(Optional) interval 3 input rate pkt summary
<i>eth_outrate3_summary_bits</i>	(Optional) interval 3 output rate bit summary
<i>eth_outrate3_summary_pkts</i>	(Optional) interval 3 output rate pkt summary
<i>eth_l2_ucastpkts</i>	(Optional) L2 switched ucast pkts
<i>eth_l2_ucastbytes</i>	(Optional) L2 switched ucast bytes
<i>eth_l2_mcastpkts</i>	(Optional) L2 switched mcast pkts
<i>eth_l2_mcastbytes</i>	(Optional) L2 switched mcast bytes
<i>eth_l2_bcastpkts</i>	(Optional) L2 switched bcast pkts
<i>eth_l2_bcastbytes</i>	(Optional) L2 switched bcast bytes
<i>eth_l3in_ucastpkts</i>	(Optional) IPv4 L3 in switched ucast pkts
<i>eth_l3in_ucastbytes</i>	(Optional) IPv4 L3 in switched ucast bytes
<i>eth_l3in_mcastpkts</i>	(Optional) IPv4 L3 in switched mcast pkts
<i>eth_l3in_mcastbytes</i>	(Optional) IPv4 L3 in switched mcast bytes
<i>eth_l3in_bcastpkts</i>	(Optional) L3 in switched bcast pkts
<i>eth_l3in_bcastbytes</i>	(Optional) L3 in switched bcast bytes
<i>eth_l3out_ucastpkts</i>	(Optional) IPv4 L3 out switched ucast pkts
<i>eth_l3out_ucastbytes</i>	(Optional) IPv4 L3 out switched ucast bytes
<i>eth_l3out_mcastpkts</i>	(Optional) IPv4 L3 out switched mcast pkts
<i>eth_l3out_mcastbytes</i>	(Optional) IPv4 L3 out switched mcast bytes
<i>eth_l3out_bcastpkts</i>	(Optional) L3 out switched bcast pkts
<i>eth_l3out_bcastbytes</i>	(Optional) L3 out switched bcast bytes
<i>eth_l3in_routed_pkts</i>	(Optional) L3 in routed pkts
<i>eth_l3in_routed_bytes</i>	(Optional) L3 in routed bytes
<i>eth_l3out_routed_pkts</i>	(Optional) L3 out routed pkts
<i>eth_l3out_routed_bytes</i>	(Optional) L3 out routed bytes
<i>eth_l3avg1_inbytes</i>	(Optional) Load interval 1 L3 average in switched bytes
<i>eth_l3avg1_inpkts</i>	(Optional) Load interval 1 L3 average in switched pkts
<i>eth_l3avg1_outbytes</i>	(Optional) Load interval 1 L3 average out switched bytes
<i>eth_l3avg1_outpkts</i>	(Optional) Load interval 1 L3 average out switched pkts

<i>eth_l3avg2_inbytes</i>	(Optional) Load interval 2 L3 average in switched bytes
<i>eth_l3avg2_inpkts</i>	(Optional) Load interval 2 L3 average in switched pkts
<i>eth_l3avg2_outbytes</i>	(Optional) Load interval 2 L3 average out switched bytes
<i>eth_l3avg2_outpkts</i>	(Optional) Load interval 2 L3 average out switched pkts
<i>eth_l3avg3_inbytes</i>	(Optional) Load interval 3 L3 average in switched bytes
<i>eth_l3avg3_inpkts</i>	(Optional) Load interval 3 L3 average in switched pkts
<i>eth_l3avg3_outbytes</i>	(Optional) Load interval 3 L3 average out switched bytes
<i>eth_l3avg3_outpkts</i>	(Optional) Load interval 3 L3 average out switched pkts
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_nobuf</i>	(Optional) No buffer received
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_ingiants</i>	(Optional) giants
<i>eth_ipmcast</i>	(Optional) IP multicast
<i>eth_inhw_switched</i>	(Optional) Input H/W Switched
<i>eth_insw_switched</i>	(Optional) Input S/W Switched
<i>eth_runts</i>	(Optional) runts
<i>eth_storm_supp</i>	(Optional) storm suppression
<i>eth_throtles</i>	(Optional) throttles
<i>eth_inerr</i>	(Optional) input errors
<i>eth_crc</i>	(Optional) CRC
<i>eth_ecc</i>	(Optional) ECC
<i>eth_frame</i>	(Optional) frame
<i>eth_overrun</i>	(Optional) overrun
<i>eth_ignored</i>	(Optional) ignored
<i>eth_watchdog</i>	(Optional) watchdog
<i>eth_outbcast</i>	(Optional) Broadcasts

<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outgiants</i>	(Optional) giants
<i>eth_inpause</i>	(Optional) pause input
<i>eth_dribble</i>	(Optional) input packets with dribble condition
<i>eth_in_ifdown_drops</i>	(Optional) Input if-down drops
<i>eth_bad_eth</i>	(Optional) bad ether type drop
<i>eth_bad_proto</i>	(Optional) bad protocol drops
<i>eth_outpkts</i>	(Optional) packets output
<i>eth_outbytes</i>	(Optional) bytes output
<i>eth_underrun</i>	(Optional) underruns
<i>eth_outhw_switched</i>	(Optional) Out H/W Switched
<i>eth_outsw_switched</i>	(Optional) Out S/W Switched
<i>eth_outerr</i>	(Optional) output errors
<i>eth_coll</i>	(Optional) collisions
<i>eth_resets</i>	(Optional) interface resets
<i>eth_babbles</i>	(Optional) babbles
<i>eth_latecoll</i>	(Optional) late collision
<i>eth_deferred</i>	(Optional) deferred
<i>eth_lostcarrier</i>	(Optional) lost carrier
<i>eth_nocarrier</i>	(Optional) no carrier
<i>eth_outpause</i>	(Optional) PAUSE output
<i>eth_buffail</i>	(Optional) output buffer failures
<i>eth_bufswapped</i>	(Optional) output buffers swapped out
<i>eth_arpdrops</i>	(Optional) arp drops
<i>eth_out_ifdown_drops</i>	(Optional) Output if-down drops
<i>eth_single_coll</i>	(Optional) single collisions
<i>eth_multi_coll</i>	(Optional) multi collisions
<i>eth_excess_coll</i>	(Optional) excessive collisions

<i>eth_jabbers</i>	(Optional) jabbers
<i>eth_shortframe</i>	(Optional) short frames
<i>eth_indiscard</i>	(Optional) discards
<i>eth_bad_encap</i>	(Optional) bad encapsulation
<i>eth_outcrc</i>	(Optional) Output CRC
<i>eth_symbol</i>	(Optional) symbol errors
<i>eth_out_drops</i>	(Optional) output drops
<i>eth_squetest</i>	(Optional) SQE test
<i>eth_inb64</i>	(Optional) input pkts between 0 and 64 bytes
<i>eth_inb65_127</i>	(Optional) input pkts between 65 and 127 bytes
<i>eth_inb128_255</i>	(Optional) input pkts between 128 and 255 bytes
<i>eth_inb256_511</i>	(Optional) input pkts between 256 and 511 bytes
<i>eth_inb512_1023</i>	(Optional) input pkts between 512 and 1023 bytes
<i>eth_inb1024_1518</i>	(Optional) input pkts between 1024 and 1518 bytes
<i>eth_inb1519_1548</i>	(Optional) input pkts between 1519 and 1548 bytes
<i>eth_inb1519_2500</i>	(Optional) input pkts between 1519 and 2500 bytes
<i>eth_intrunk</i>	(Optional) input trunk pkts
<i>eth_outb64</i>	(Optional) output pkts between 0 and 64 bytes
<i>eth_outb65_127</i>	(Optional) output pkts between 65 and 127 bytes
<i>eth_outb128_255</i>	(Optional) output pkts between 128 and 255 bytes
<i>eth_outb256_511</i>	(Optional) output pkts between 256 and 511 bytes
<i>eth_outb512_1023</i>	(Optional) output pkts between 512 and 1023 bytes
<i>eth_outb1024_1518</i>	(Optional) output pkts between 1024 and 1518 bytes
<i>eth_outb1519_1548</i>	(Optional) output pkts between 1519 and 1548 bytes
<i>eth_outb1519_2500</i>	(Optional) output pkts between 1519 and 2500 bytes
<i>eth_outtrunk</i>	(Optional) output trunk pkts
<i>eth_bpdu_outlost</i>	(Optional) BPDU output lost
<i>eth_cos0_outlost</i>	(Optional) output pkts
<i>eth_cos1_outlost</i>	(Optional) output pkts

<i>eth_cos2_outlost</i>	(Optional) output pkts
<i>eth_cos3_outlost</i>	(Optional) output pkts
<i>eth_cos4_outlost</i>	(Optional) output pkts
<i>eth_cos5_outlost</i>	(Optional) output pkts
<i>eth_cos6_outlost</i>	(Optional) output pkts
<i>eth_cos7_outlost</i>	(Optional) output pkts
<i>eth_fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>eth_fcoe_in_octets</i>	(Optional) fcoe in octets
<i>eth_fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>eth_fcoe_out_octets</i>	(Optional) fcoe out octets
<i>eth_nfcoe_in_pkts</i>	(Optional) nfcoe in pkts
<i>eth_nfcoe_in_octets</i>	(Optional) nfcoe in octets
<i>eth_nfcoe_out_pkts</i>	(Optional) nfcoe out pkts
<i>eth_nfcoe_out_octets</i>	(Optional) nfcoe out octets
<i>eth_eee_atx_lpi_msec</i>	(Optional) Tx Lpi usec
<i>eth_eee_arcv_lpi_msec</i>	(Optional) Rx Lpi usec
<i>eth_eee_atx_lpi_transitions</i>	(Optional) Tx Lpi requests
<i>eth_eee_arcv_lpi_transitions</i>	(Optional) Rx Lpi indications
<i>eth_phy_ber_count</i>	(Optional) Bit error rate counter
<i>eth_phy_errblks_count</i>	(Optional) Errored blocks counter
<i>eth_tx_frm_error</i>	(Optional) tx frame error
<i>eth_rx_toolong</i>	(Optional) rx toolong error
<i>eth_rx_undersize</i>	(Optional) rx undersize
<i>eth_rx_fragment</i>	(Optional) rx fragment
<i>eth_rx_crcerr_not_stomped</i>	(Optional) rx crcerr not stomped
<i>eth_rx_crcerr_stomped</i>	(Optional) rx crcerr stomped
<i>eth_rx_inrangeerr</i>	(Optional) rx inrange error

Command Mode

- /exec

show interface counters details

```
show interface <ifid_ctrs_det2> counters details [ __readonly__ TABLE_ifid_counters [ <sfp> <in_frames>
<in_bytes> <class_2_frames> <class_2_in_bytes> <class_2_in_discards> <class_2_in_f_bsy_frames>
<class_2_in_f_rgt_frames> <class_2_in_port_reject_frames> <class_3_frames> <class_3_bytes_rcvd>
<class_f_frames> <class_f_bytes_rcvd> <class_f_in_discards> <class_f_errors_rcvd> <class_f_out_discards>
<class_f_errors_trans> <out_frames> <out_bytes> <class_2_out_frames> <class_2_bytes_trans>
<class_3_out_frames> <class_3_bytes_trans> <class_3_out_discards> <class_f_out_frames>
<class_f_bytes_trans> <class_f_discards> <muticast_rcvd> <multicast_trans> <broadcast_rcvd>
<broadcast_trans> <unicast_rcvd> <unicast_trans> <timeout_discards> <credit_loss> <link_faliures>
<sync_loss> <signal_loss> <prm_seq_pro_err> <inv_trans_err> <inv_crc> <delim_err> <addr_iden_err>
<link_reset_rcvd> <link_reset_trans> <off_seq_err_rcvd> <off_seq_err_trans> <frames_rcvd_short>
<frames_rcvd_long> [ <txwait> ] <frames_rcvd_greater> <frame_rcvd_short_header> <link_reset_resp_rcvd>
<link_reset_resp_trans> <non_oper_seq_rcvd> <non_oper_seq_trans> <frag_frames_rcvd> <frames_eof_abort>
<unknown_class_frames_rcvd> <8b10b_disparity_err> <frames_discard> <ex_link_param_sw_fab> [
<in_link_ser_req_faliures> ] <b2b_credits_transmit> [ <b2b_credits_receive> ] <eisl_frames> <framing_err>
<f8_lip_seq_err_rcvd> <f8_lip_seq_err_issued> <non_f8_lip_seq_err_rcvd> <non_f8_lip_seq_err_issued>
[ <fec_corrected> ] [ <fec_uncorrected> ] ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctrs_det2</i>	Enter interface type and number in module/slot format
counters	Show interface counters
details	Show interface counters in detail
<u>__readonly__</u>	(Optional)
TABLE_ifid_counters	(Optional) show interface counters
<i>sfp</i>	(Optional) SFP
<i>in_frames</i>	(Optional) in frames
<i>in_bytes</i>	(Optional) in bytes
<i>class_2_frames</i>	(Optional) Class 2 frames
<i>class_2_in_bytes</i>	(Optional) Class 2 bytes received
<i>class_2_in_discards</i>	(Optional) Class 2 discards received
<i>class_2_in_f_bsy_frames</i>	(Optional) Class 2 F_BSY frames received
<i>class_2_in_f_rgt_frames</i>	(Optional) Class 2 F_RGT frames
<i>class_2_in_port_reject_frames</i>	(Optional) Class 2 port reject frames
<i>class_3_frames</i>	(Optional) Class 3 frames

<i>class_3_bytes_rcv</i>	(Optional) Class 3 bytes received
<i>class_f_frames</i>	(Optional) Class f frames
<i>class_f_bytes_rcv</i>	(Optional) Class F bytes received
<i>class_f_in_discards</i>	(Optional) Class F in discards
<i>class_f_errors_rcvd</i>	(Optional) Class F errors received
<i>class_f_out_discards</i>	(Optional) Class F out discards
<i>class_f_errors_trans</i>	(Optional) Class F errors transmitted
<i>out_frames</i>	(Optional) Out frames
<i>out_bytes</i>	(Optional) Out bytes
<i>class_2_out_frames</i>	(Optional) Class 2 frames transmitted
<i>class_2_bytes_trans</i>	(Optional) Class 2 bytes transmitted
<i>class_3_out_frames</i>	(Optional) Class 3 frames transmitted
<i>class_3_bytes_trans</i>	(Optional) Class 3 bytes transmitted
<i>class_3_out_discards</i>	(Optional) Class 3 out discards
<i>class_f_out_frames</i>	(Optional) Class F out frames
<i>class_f_bytes_trans</i>	(Optional) Class F bytes transmitted
<i>class_f_discards</i>	(Optional) Class F discards
<i>multicast_rcvd</i>	(Optional) Multicast received
<i>multicast_trans</i>	(Optional) Multicast transmitted
<i>broadcast_rcvd</i>	(Optional) Broadcast received
<i>broadcast_trans</i>	(Optional) Broadcast transmitted
<i>unicast_rcvd</i>	(Optional) Unicast received
<i>unicast_trans</i>	(Optional) Unicast transmitted
<i>timeout_discards</i>	(Optional) timeout discards
<i>credit_loss</i>	(Optional) credit loss
<i>link_faliures</i>	(Optional) Link faliures
<i>sync_loss</i>	(Optional) Sync Loss
<i>signal_loss</i>	(Optional) Signal Loss
<i>prm_seq_pro_err</i>	(Optional) primitive sequence protocol errors

<i>inv_trans_err</i>	(Optional) invalid transmission errors
<i>inv_crc</i>	(Optional) Invalid crc
<i>delim_err</i>	(Optional) Delimiter Errors
<i>addr_iden_err</i>	(Optional) Address Identification errors
<i>link_reset_rcvd</i>	(Optional) link reset received
<i>link_reset_trans</i>	(Optional) link reset transmitted
<i>off_seq_err_rcvd</i>	(Optional) Offline sequence error received
<i>off_seq_err_trans</i>	(Optional) Offline sequence Error transmitted
<i>frames_rcvd_short</i>	(Optional) frames received that are shorter than the minimum allowable frame length regardless of the CRC/FCS error
<i>frames_rcvd_long</i>	(Optional) frames received that are longer than the minimum allowable frame length regardless of the CRC/FCS error
<i>txwait</i>	(Optional) TXwait
<i>frames_rcvd_greater</i>	(Optional) frames received with length greater than what was agreed to in FLOGI/PLOGI
<i>frame_rcvd_short_header</i>	(Optional) frames received with length less than the minimum indicated by the frame header
<i>link_reset_resp_rcvd</i>	(Optional) Link reset responses received
<i>link_reset_resp_trans</i>	(Optional) Link reset responses transmitted
<i>non_oper_seq_rcvd</i>	(Optional) Non operational sequence received
<i>non_oper_seq_trans</i>	(Optional) Non operational sequence transmitted
<i>frag_frames_rcvd</i>	(Optional) fragmented frames received
<i>frames_eof_abort</i>	(Optional) frames EOF abort
<i>unknown_class_frames_rcvd</i>	(Optional) unknown class frames received
<i>8b10b_disparity_err</i>	(Optional) 8b10b disparity errors
<i>frames_discard</i>	(Optional) frames discard
<i>ex_link_param_sw_fab</i>	(Optional) external link parameters switch fabric
<i>in_link_ser_req_faliures</i>	(Optional) internal link serial request faliures
<i>b2b_credits_transmit</i>	(Optional) B2B credits transmit
<i>b2b_credits_receive</i>	(Optional) B2B credits receive

<i>eisl_frames</i>	(Optional) EISL frames
<i>framing_err</i>	(Optional) Framing Error
<i>f8_lip_seq_err_rcvd</i>	(Optional) f8 LIP sequence error received
<i>f8_lip_seq_err_issued</i>	(Optional) f8 LIP sequence error issued
<i>non_f8_lip_seq_err_rcvd</i>	(Optional) non f8 LIP sequence error received
<i>non_f8_lip_seq_err_issued</i>	(Optional) non f8 LIP sequence error issued
<i>fec_corrected</i>	(Optional) fec corrected blocks
<i>fec_uncorrected</i>	(Optional) fec uncorrected blocks

Command Mode

- /exec

show interface counters details

```
show interface <ifid_ctr_det> counters details [ __readonly__ TABLE_interface <interface> [ <fcoe_in_pkts>
] [ <fcoe_in_octets> ] [ <fcoe_out_pkts> ] [ <fcoe_out_octets> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr_det</i>	Enter interface type and number in module/slot format
counters	Show interface counters
details	Show interface counters in detail
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>fcoe_in_octets</i>	(Optional) fcoe in octets
<i>fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>fcoe_out_octets</i>	(Optional) fcoe out octets

Command Mode

- /exec

show interface counters errors

```
show interface counters errors [ module <module> ] [ non-zero ] [ __readonly__ TABLE_interface <interface>
[ <eth_align_err> ] [ <eth_fcs_err> ] [ <eth_xmit_err> ] [ <eth_rcv_err> ] [ <eth_undersize> ] [ <eth_outdisc>
] [ <eth_single_col> ] [ <eth_multi_col> ] [ <eth_late_col> ] [ <eth_excess_col> ] [ <eth_carri_sen> ] [
<eth_runts> ] [ <eth_giants> ] [ <eth_sqetest_err> ] [ <eth_deferred_tx> ] [ <eth_inmactx_err> ] [
<eth_inmacrx_err> ] [ <eth_symbol_err> ] [ <eth_indisc> ] [ <eth_stomped_crc> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
errors	Show interface error counters
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
non-zero	(Optional) Display only the non-zero error values
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>eth_align_err</i>	(Optional) Align error
<i>eth_fcs_err</i>	(Optional) FCS error
<i>eth_xmit_err</i>	(Optional) Transmit error
<i>eth_rcv_err</i>	(Optional) Receive error
<i>eth_undersize</i>	(Optional) Undersize
<i>eth_outdisc</i>	(Optional) Out discard
<i>eth_single_col</i>	(Optional) Single collision
<i>eth_multi_col</i>	(Optional) Multiple collision
<i>eth_late_col</i>	(Optional) Late collision
<i>eth_excess_col</i>	(Optional) Excess collision
<i>eth_carri_sen</i>	(Optional) Carrier sense
<i>eth_runts</i>	(Optional) Runts
<i>eth_giants</i>	(Optional) Giants

<i>eth_sqetest_err</i>	(Optional) SQETest error
<i>eth_deferred_tx</i>	(Optional) Deferred tx
<i>eth_inmactx_err</i>	(Optional) In MAC tx
<i>eth_inmacrx_err</i>	(Optional) In MAC rx
<i>eth_symbol_err</i>	(Optional) Symbol error
<i>eth_indisc</i>	(Optional) In discards
<i>eth_stomped_crc</i>	(Optional) Stomped CRC

Command Mode

- /exec

show interface counters errors

```
show interface <ifeth_ctr_errs> counters errors [ snmp ] [ __readonly__ TABLE_interface <interface> [
<eth_align_err> ] [ <eth_fcs_err> ] [ <eth_xmit_err> ] [ <eth_rcv_err> ] [ <eth_undersize> ] [ <eth_outdisc>
] [ <eth_single_col> ] [ <eth_multi_col> ] [ <eth_late_col> ] [ <eth_excess_col> ] [ <eth_carri_sen> ] [
<eth_runts> ] [ <eth_giants> ] [ <eth_sqetest_err> ] [ <eth_deferred_tx> ] [ <eth_inmactx_err> ] [
<eth_inmacrx_err> ] [ <eth_symbol_err> ] [ <eth_indisc> ] [ <eth_stomped_crc> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_errs</i>	Enter interface type and number in module/slot format
counters	Show interface counters
errors	Show interface error counters
snmp	(Optional) Show SNMP MIB values
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>eth_align_err</i>	(Optional) Align error
<i>eth_fcs_err</i>	(Optional) FCS error
<i>eth_xmit_err</i>	(Optional) Transmit error
<i>eth_rcv_err</i>	(Optional) Receive error
<i>eth_undersize</i>	(Optional) Undersize
<i>eth_outdisc</i>	(Optional) Out discard
<i>eth_single_col</i>	(Optional) Single collision
<i>eth_multi_col</i>	(Optional) Multiple collision
<i>eth_late_col</i>	(Optional) Late collision
<i>eth_excess_col</i>	(Optional) Excess collision
<i>eth_carri_sen</i>	(Optional) Carrier sense
<i>eth_runts</i>	(Optional) Runts
<i>eth_giants</i>	(Optional) Giants
<i>eth_sqetest_err</i>	(Optional) SQETest error

<i>eth_deferred_tx</i>	(Optional) Deferred tx
<i>eth_inmactx_err</i>	(Optional) In MAC tx
<i>eth_inmacrx_err</i>	(Optional) In MAC rx
<i>eth_symbol_err</i>	(Optional) Symbol error
<i>eth_indisc</i>	(Optional) In discards
<i>eth_stomped_crc</i>	(Optional) Stomped CRC

Command Mode

- /exec

show interface counters errors

show interface <loop_ctr_errs> counters errors

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>loop_ctr_errs</i>	Enter interface type and number in module/slot format
counters	Show interface counters
errors	Show interface error counters

Command Mode

- /exec

show interface counters fc

```
show interface counters fc [ brief ] [ __readonly__ [ { TABLE_counters <sfp> { TABLE_input_rate
<bit_per_sec> <bytes_per_sec> <frames_per_sec> } { TABLE_output_rate <bit_per_sec> <bytes_per_sec>
<frames_per_sec> } { TABLE_input <frames> <bytes> [ <class_2_frames> ][ <class_2_bytes> ][
<class_3_frames> ][ <class_3_bytes> ][ <class_f_frames> ][ <class_f_bytes> ][ <class_2_3_frames> ]
<discards> <errors> <crc_fcs> <unknown_class> <too_long> <too_short> } { TABLE_output <frames>
<bytes> [ <class_2_frames> ][ <class_2_bytes> ][ <class_3_frames> ][ <class_3_bytes> ][ <class_f_frames>
][ <class_f_bytes> ][ <class_2_3_frames> ][ <discards> ][ <errors> ][ <crc_fcs> ] } [ <timeout_discards>
][ <credit_loss> ][ <input_ols> ][ <input_lrr> ][ <input_nos> ][ <input_loop_inits> ][ <output_ols> ][
<output_lrr> ][ <output_nos> ][ <output_loop_inits> ][ <link_faliures> ][ <sync_loss> ][ <signal_loss> ]
[ <b2b_transmit> ][ <b2b_receive> ][ <txwait> ][ <tx_credit_unavbl> ][ <b2b_receive_remain> ][
<b2b_transmit_remain> ][ <low_priority_b2b_remain> ][ <off_seq_err_rcvd> ][ <broadcast_frames> ][
<errors> ][ <queue_drops> ][ <if_down_drops> ][ <red_drops> ][ <bad_ether_type_drops> ][
<bad_protocol_drops> ][ <arp_drops> ][ <reass_frames> ][ <timestamp_error> ][ <rx_b2b_perf_buff> ]
[ <rx_b2b_credit> ][ <tx_b2b_credit> ][ <tx_b2b_low_pri_cre> ][ <time_last_cleared> } } ][ {
TABLE_counters_brief <sfp> <fc_input_rate> <fc_frames_in> <fc_output_rate> <fc_frames_out> } ][ {
TABLE_interface <interface> [ <fcoe_in_pkts> ][ <fcoe_in_octets> ][ <fcoe_out_pkts> ][ <fcoe_out_octets>
} } ] ] ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
fc	Show interface counters for fc interfaces
brief	(Optional) Show interface counters for fc interfaces in brief
__readonly__	(Optional) Readonly
TABLE_counters	(Optional) Table counters
sfp	(Optional) SFP
TABLE_input_rate	(Optional) Input rate
bit_per_sec	(Optional) Input rate bits per second
bytes_per_sec	(Optional) Input rate bytes per second
frames_per_sec	(Optional) Input rate frames per second
TABLE_output_rate	(Optional) Output rate
bit_per_sec	(Optional) Output rate bits per second
bytes_per_sec	(Optional) Output rate bytes per second
frames_per_sec	(Optional) Output rate frames per second

TABLE_input	(Optional) Input values
<i>frames</i>	(Optional) Frames
<i>bytes</i>	(Optional) Bytes
<i>class_2_frames</i>	(Optional) Class 2 frames
<i>class_2_bytes</i>	(Optional) Class 2 bytes
<i>class_3_frames</i>	(Optional) Class 3 frames
<i>class_3_bytes</i>	(Optional) Class 3 bytes
<i>class_f_frames</i>	(Optional) Class f frames
<i>class_f_bytes</i>	(Optional) Class f bytes
<i>class_2_3_frames</i>	(Optional) Class 2/3 Frames
<i>discards</i>	(Optional) Discards
<i>errors</i>	(Optional) Errors
<i>crc_fcs</i>	(Optional) CRC/FCS
<i>unknown_class</i>	(Optional) Unknown Class
<i>too_long</i>	(Optional) Frames too long
<i>too_short</i>	(Optional) Frames too short
TABLE_output	(Optional) Output Values
<i>frames</i>	(Optional) Frames
<i>bytes</i>	(Optional) Bytes
<i>class_2_frames</i>	(Optional) Class 2 frames
<i>class_2_bytes</i>	(Optional) Class 2 bytes
<i>class_3_frames</i>	(Optional) Class 3 frames
<i>class_3_bytes</i>	(Optional) Class 3 bytes
<i>class_f_frames</i>	(Optional) Class f frames
<i>class_f_bytes</i>	(Optional) Class f bytes
<i>class_2_3_frames</i>	(Optional) Class 2/3 frames
<i>discards</i>	(Optional) Discards
<i>errors</i>	(Optional) Errors
<i>crc_fcs</i>	(Optional) CRC/FCS

<i>timeout_discards</i>	(Optional) Timeout Discards
<i>credit_loss</i>	(Optional) Credit Loss
<i>input_ols</i>	(Optional) input ols
<i>input_lrr</i>	(Optional) input LRR
<i>input_nos</i>	(Optional) input NOS
<i>input_loop_inits</i>	(Optional) input loop inits
<i>output_ols</i>	(Optional) output OLS
<i>output_lrr</i>	(Optional) output LRR
<i>output_nos</i>	(Optional) output NOS
<i>output_loop_inits</i>	(Optional) output loop inits
<i>link_faliures</i>	(Optional) link faliures
<i>sync_loss</i>	(Optional) Sync loss
<i>signal_loss</i>	(Optional) Signal loss
<i>b2b_transmit</i>	(Optional) B2B transmit
<i>b2b_receive</i>	(Optional) B2B receive
<i>txwait</i>	(Optional) TxWait
<i>tx_credit_unavbl</i>	(Optional) Tx credit unavliable
<i>b2b_receive_remain</i>	(Optional) B2B receive remain
<i>b2b_transmit_remain</i>	(Optional) B2B transmit remain
<i>low_priority_b2b_remain</i>	(Optional) Low priority B2B credit remaining
<i>time_last_cleared</i>	(Optional) Last time cleared
<i>broadcast_frames</i>	(Optional) Broadcast frames
<i>errors</i>	(Optional) Errors
<i>queue_drops</i>	(Optional) Queue drops
<i>if_down_drops</i>	(Optional) If down drops
<i>red_drops</i>	(Optional) Red drops
<i>bad_ether_type_drops</i>	(Optional) Bad ether type drops
<i>bad_protocol_drops</i>	(Optional) Bad Protocol Drops
<i>arp_drops</i>	(Optional) Arp Drops

<i>timestamp_error</i>	(Optional) Timestamp Error
<i>reass_frames</i>	(Optional) Reass Frames
<i>rx_b2b_perf_buff</i>	(Optional) RX B2B performance buffer
<i>rx_b2b_credit</i>	(Optional) RX B2B credit remaining
<i>tx_b2b_credit</i>	(Optional) TX B2B credit remaining
<i>tx_b2b_low_pri_cre</i>	(Optional) TX B2B low priority Credit
<i>off_seq_err_rcvd</i>	(Optional) Offset Sequence Error Received
TABLE_counters_brief	(Optional) Table counters brief
<i>sfp</i>	(Optional) FC id
<i>fc_input_rate</i>	(Optional) Input rate
<i>fc_frames_in</i>	(Optional) Frames in
<i>fc_output_rate</i>	(Optional) Output rate
<i>fc_frames_out</i>	(Optional) Frames out
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) interface
<i>fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>fcoe_in_octets</i>	(Optional) fcoe in octets
<i>fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>fcoe_out_octets</i>	(Optional) fcoe out octets

Command Mode

- /exec

show interface counters snmp

```
show interface counters snmp [ module <module> ] [ __readonly__ { TABLE_rx_counters <interface_rx> [
<eth_inpkts> ] [ <eth_inbytes> ] [ <eth_inucast> ] [ <eth_inmcast> ] [ <eth_inbcast> ] [ <eth_l3in_bytes> ]
[ <eth_l3in_ucastpkts> ] [ <eth_l3in_mcastpkts> ] [ <eth_l3in_bcastpkts> ] [ <eth_l3in_ipv4bytes> ] [
<eth_l3in_ipv4pkts> ] [ <eth_l3in_ipv4ucast_pkts> ] [ <eth_l3in_ipv4mcast_pkts> ] [
<eth_l3in_ipv4bcast_pkts> ] [ <eth_l3in_ipv6bytes> ] [ <eth_l3in_ipv6pkts> ] [ <eth_l3in_ipv6ucast_pkts>
] [ <eth_l3in_ipv6mcast_pkts> ] [ <eth_l3in_ipv6bcast_pkts> ] } { TABLE_tx_counters <interface_tx> [
<eth_outpkts> ] [ <eth_outbytes> ] [ <eth_outucast> ] [ <eth_outmcast> ] [ <eth_outbcast> ] [
<eth_l3out_bytes> ] [ <eth_l3out_ucastpkts> ] [ <eth_l3out_mcastpkts> ] [ <eth_l3out_bcastpkts> ] [
<eth_l3out_ipv4bytes> ] [ <eth_l3out_ipv4pkts> ] [ <eth_l3out_ipv4ucast_pkts> ] [
<eth_l3out_ipv4mcast_pkts> ] [ <eth_l3out_ipv4bcast_pkts> ] [ <eth_l3out_ipv6bytes> ] [
<eth_l3out_ipv6pkts> ] [ <eth_l3out_ipv6ucast_pkts> ] [ <eth_l3out_ipv6mcast_pkts> ] [
<eth_l3out_ipv6bcast_pkts> ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
snmp	Show SNMP MIB values
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
<i>__readonly__</i>	(Optional) Read Only
TABLE_rx_counters	(Optional) show Rx counters
<i>interface_rx</i>	(Optional) Interface index
<i>eth_inpkts</i>	(Optional) Packets input
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_inucast</i>	(Optional) Unicasts
<i>eth_inmcast</i>	(Optional) Multicasts
<i>eth_inbcast</i>	(Optional) Broadcasts
<i>eth_l3in_bytes</i>	(Optional) L3 Rx bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 Rx Unicast pkts
<i>eth_l3in_mcastpkts</i>	(Optional) L3 Rx Multicast pkts
<i>eth_l3in_bcastpkts</i>	(Optional) L3 Rx Broadcast pkts
<i>eth_l3in_ipv4bytes</i>	(Optional) L3 Rx IPv4 bytes

<i>eth_l3in_ipv4pkts</i>	(Optional) L3 Rx IPv4 pkts
<i>eth_l3in_ipv4ucast_pkts</i>	(Optional) L3 Rx IPv4 Ucast pkts
<i>eth_l3in_ipv4mcast_pkts</i>	(Optional) L3 Rx IPv4 Mcast pkts
<i>eth_l3in_ipv4bcast_pkts</i>	(Optional) L3 Rx IPv4 Bcast pkts
<i>eth_l3in_ipv6bytes</i>	(Optional) L3 Rx IPv6 bytes
<i>eth_l3in_ipv6pkts</i>	(Optional) L3 Rx IPv6 pkts
<i>eth_l3in_ipv6ucast_pkts</i>	(Optional) L3 Rx IPv6 Ucast pkts
<i>eth_l3in_ipv6mcast_pkts</i>	(Optional) L3 Rx IPv6 Mcast pkts
<i>eth_l3in_ipv6bcast_pkts</i>	(Optional) L3 Rx IPv6 Bcast pkts
TABLE_tx_counters	(Optional) show Tx counters
<i>interface_tx</i>	(Optional) Interface index
<i>eth_outpkts</i>	(Optional) Packets output
<i>eth_outbytes</i>	(Optional) Bytes output
<i>eth_outucast</i>	(Optional) Unicasts
<i>eth_outmcast</i>	(Optional) Multicasts
<i>eth_outbcast</i>	(Optional) Broadcasts
<i>eth_l3out_bytes</i>	(Optional) L3 Tx bytes
<i>eth_l3out_ucastpkts</i>	(Optional) L3 Tx Unicast pkts
<i>eth_l3out_mcastpkts</i>	(Optional) L3 Tx Multicast pkts
<i>eth_l3out_bcastpkts</i>	(Optional) L3 Tx Broadcast pkts
<i>eth_l3out_ipv4bytes</i>	(Optional) L3 Tx IPv4 bytes
<i>eth_l3out_ipv4pkts</i>	(Optional) L3 Tx IPv4 pkts
<i>eth_l3out_ipv4ucast_pkts</i>	(Optional) L3 Tx IPv4 Ucast pkts
<i>eth_l3out_ipv4mcast_pkts</i>	(Optional) L3 Tx IPv4 Mcast pkts
<i>eth_l3out_ipv4bcast_pkts</i>	(Optional) L3 Tx IPv4 Bcast pkts
<i>eth_l3out_ipv6bytes</i>	(Optional) L3 Tx IPv6 bytes
<i>eth_l3out_ipv6pkts</i>	(Optional) L3 Tx IPv6 pkts
<i>eth_l3out_ipv6ucast_pkts</i>	(Optional) L3 Tx IPv6 Ucast pkts
<i>eth_l3out_ipv6mcast_pkts</i>	(Optional) L3 Tx IPv6 Mcast pkts

<i>eth_l3out_ipv6bcast_pkts</i>	(Optional) L3 Tx IPv6 Bcast pkts
---------------------------------	----------------------------------

Command Mode

- /exec

show interface counters snmp

```
show interface <ifeth_ctr> counters snmp [ __readonly__ { TABLE_rx_counters <interface_rx> [ <eth_inbytes>
] [ <eth_inucast> ] [ <eth_inmcast> ] [ <eth_inbcast> ] [ <eth_l3in_bytes> ] [ <eth_l3in_ucastpkts> ] [
<eth_l3in_mcastpkts> ] [ <eth_l3in_bcastpkts> ] [ <eth_l3in_ipv4bytes> ] [ <eth_l3in_ipv4pkts> ] [
<eth_l3in_ipv4ucast_pkts> ] [ <eth_l3in_ipv4mcast_pkts> ] [ <eth_l3in_ipv4bcast_pkts> ] [
<eth_l3in_ipv6bytes> ] [ <eth_l3in_ipv6pkts> ] [ <eth_l3in_ipv6ucast_pkts> ] [ <eth_l3in_ipv6mcast_pkts>
] [ <eth_l3in_ipv6bcast_pkts> ] } { TABLE_tx_counters <interface_tx> [ <eth_outbytes> ] [ <eth_outucast>
] [ <eth_outmcast> ] [ <eth_outbcast> ] [ <eth_l3out_bytes> ] [ <eth_l3out_ucastpkts> ] [
<eth_l3out_mcastpkts> ] [ <eth_l3out_bcastpkts> ] [ <eth_l3out_ipv4bytes> ] [ <eth_l3out_ipv4pkts> ] [
<eth_l3out_ipv4ucast_pkts> ] [ <eth_l3out_ipv4mcast_pkts> ] [ <eth_l3out_ipv4bcast_pkts> ] [
<eth_l3out_ipv6bytes> ] [ <eth_l3out_ipv6pkts> ] [ <eth_l3out_ipv6ucast_pkts> ] [
<eth_l3out_ipv6mcast_pkts> ] [ <eth_l3out_ipv6bcast_pkts> ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	Show SNMP MIB values
<u>__readonly__</u>	(Optional) Read Only
TABLE_rx_counters	(Optional) show Rx counters
<i>interface_rx</i>	(Optional) Interface index rx
<i>eth_inbytes</i>	(Optional) Bytes input
<i>eth_inucast</i>	(Optional) Unicasts input
<i>eth_inmcast</i>	(Optional) Multicasts input
<i>eth_inbcast</i>	(Optional) Broadcasts input
<i>eth_l3in_bytes</i>	(Optional) L3 Rx bytes
<i>eth_l3in_ucastpkts</i>	(Optional) L3 Rx Unicast pkts
<i>eth_l3in_mcastpkts</i>	(Optional) L3 Rx Multicast pkts
<i>eth_l3in_bcastpkts</i>	(Optional) L3 Rx Broadcast pkts
<i>eth_l3in_ipv4bytes</i>	(Optional) L3 Rx IPv4 bytes
<i>eth_l3in_ipv4pkts</i>	(Optional) L3 Rx IPv4 pkts
<i>eth_l3in_ipv4ucast_pkts</i>	(Optional) L3 Rx IPv4 Ucast pkts

<i>eth_l3in_ipv4mcast_pkts</i>	(Optional) L3 Rx IPv4 Mcast pkts
<i>eth_l3in_ipv4bcast_pkts</i>	(Optional) L3 Rx IPv4 Bcast pkts
<i>eth_l3in_ipv6bytes</i>	(Optional) L3 Rx IPv6 bytes
<i>eth_l3in_ipv6pkts</i>	(Optional) L3 Rx IPv6 pkts
<i>eth_l3in_ipv6ucast_pkts</i>	(Optional) L3 Rx IPv6 Ucast pkts
<i>eth_l3in_ipv6mcast_pkts</i>	(Optional) L3 Rx IPv6 Mcast pkts
<i>eth_l3in_ipv6bcast_pkts</i>	(Optional) L3 Rx IPv6 Bcast pkts
TABLE_tx_counters	(Optional) show Tx counters
<i>interface_tx</i>	(Optional) Interface index tx
<i>eth_outbytes</i>	(Optional) Bytes output
<i>eth_outucast</i>	(Optional) Unicasts output
<i>eth_outmcast</i>	(Optional) Multicasts output
<i>eth_outbcast</i>	(Optional) Broadcasts output
<i>eth_l3out_bytes</i>	(Optional) L3 Tx bytes
<i>eth_l3out_ucastpkts</i>	(Optional) L3 Tx Unicast pkts
<i>eth_l3out_mcastpkts</i>	(Optional) L3 Tx Multicast pkts
<i>eth_l3out_bcastpkts</i>	(Optional) L3 Tx Broadcast pkts
<i>eth_l3out_ipv4bytes</i>	(Optional) L3 Tx IPv4 bytes
<i>eth_l3out_ipv4pkts</i>	(Optional) L3 Tx IPv4 pkts
<i>eth_l3out_ipv4ucast_pkts</i>	(Optional) L3 Tx IPv4 Ucast pkts
<i>eth_l3out_ipv4mcast_pkts</i>	(Optional) L3 Tx IPv4 Mcast pkts
<i>eth_l3out_ipv4bcast_pkts</i>	(Optional) L3 Tx IPv4 Bcast pkts
<i>eth_l3out_ipv6bytes</i>	(Optional) L3 Tx IPv6 bytes
<i>eth_l3out_ipv6pkts</i>	(Optional) L3 Tx IPv6 pkts
<i>eth_l3out_ipv6ucast_pkts</i>	(Optional) L3 Tx IPv6 Ucast pkts
<i>eth_l3out_ipv6mcast_pkts</i>	(Optional) L3 Tx IPv6 Mcast pkts
<i>eth_l3out_ipv6bcast_pkts</i>	(Optional) L3 Tx IPv6 Bcast pkts

Command Mode

- /exec

show interface counters storm-control

```
show interface <ifeth_ctr_stm_ctrl> counters storm-control [ details ] [ __readonly__ TABLE_interface
<interface> [ <eth_ucast_supp> ] [ <eth_mcast_supp> ] [ <eth_bcast_supp> ] [ <eth_total_supp> ] [ <eth_type>
] [ <eth_pps> ] [ <eth_threshold> ] [ <eth_supp_ucast> ] [ <eth_supp_mcast> ] [ <eth_supp_bcast> ] [
<supp_action> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_stm_ctrl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
storm-control	Show interface storm-control counters
details	(Optional) Show interface storm-control counters details
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>eth_ucast_supp</i>	(Optional) Unicast suppression percentage
<i>eth_mcast_supp</i>	(Optional) Multicast suppression percentage
<i>eth_bcast_supp</i>	(Optional) Broadcast suppression percentage
<i>eth_total_supp</i>	(Optional) Total discarded due to suppression
<i>eth_type</i>	(Optional) cast type
<i>eth_pps</i>	(Optional) PPS enabled
<i>eth_threshold</i>	(Optional) Threshold
<i>eth_supp_ucast</i>	(Optional) Unicast suppression
<i>eth_supp_mcast</i>	(Optional) Multicast suppression
<i>eth_supp_bcast</i>	(Optional) Broadcast suppression
<i>supp_action</i>	(Optional) Action to be taken on suppression

Command Mode

- /exec

show interface counters storm-control

```
show interface counters storm-control [ details | module <module> ] [ __readonly__ TABLE_interface
<interface> [<eth_ucast_supp> ][<eth_mcast_supp> ][<eth_bcast_supp> ][<eth_total_supp> ][<eth_type>
][<eth_pps> ][<eth_threshold> ][<eth_supp_ucast> ][<eth_supp_mcast> ][<eth_supp_bcast> ][
<supp_action> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
storm-control	Show interface storm-control counters
module	(Optional) Limit display to interfaces on module
details	(Optional) Show interface storm-control counters details
<i>module</i>	(Optional) Enter module number
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>eth_ucast_supp</i>	(Optional) Unicast suppression percentage
<i>eth_mcast_supp</i>	(Optional) Multicast suppression percentage
<i>eth_bcast_supp</i>	(Optional) Broadcast suppression percentage
<i>eth_total_supp</i>	(Optional) Total discarded due to suppression
<i>eth_type</i>	(Optional) cast type
<i>eth_pps</i>	(Optional) PPS enabled
<i>eth_threshold</i>	(Optional) Threshold
<i>eth_supp_ucast</i>	(Optional) Unicast suppression
<i>eth_supp_mcast</i>	(Optional) Multicast suppression
<i>eth_supp_bcast</i>	(Optional) Broadcast suppression
<i>supp_action</i>	(Optional) Action to be taken on suppression

Command Mode

- /exec

show interface counters storm-control multi-threshold

```
show interface <ifeth_ctr_stm_ctrl> counters storm-control multi-threshold [ unicast | broadcast | multicast ]
[ __readonly__ TABLE_interface <interface> [ <eth_ucast_level1> ] [ <eth_mcast_level1> ] [
<eth_bcast_level1> ] [ <eth_ucast_supp_level1> ] [ <eth_mcast_supp_level1> ] [ <eth_bcast_supp_level1> ] [
<supp_action1> ] [ <eth_ucast_level2> ] [ <eth_mcast_level2> ] [ <eth_bcast_level2> ] [
<eth_ucast_supp_level2> ] [ <eth_mcast_supp_level2> ] [ <eth_bcast_supp_level2> ] [ <supp_action2> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_stm_ctrl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
storm-control	Show interface storm-control counters
multi-threshold	multi-level storm control
unicast	(Optional) Unicast traffic information
broadcast	(Optional) Broadcast traffic information
multicast	(Optional) Multicast traffic information
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>eth_ucast_level1</i>	(Optional) Unicast suppression percentage level 1
<i>eth_ucast_level2</i>	(Optional) Unicast suppression percentage level 2
<i>eth_mcast_level1</i>	(Optional) Multicast suppression percentage level 1
<i>eth_mcast_level2</i>	(Optional) Multicast suppression percentage level 2
<i>eth_bcast_level1</i>	(Optional) Broadcast suppression percentage level 1
<i>eth_bcast_level2</i>	(Optional) Broadcast suppression percentage level 2
<i>supp_action1</i>	(Optional) Action to be taken on suppression level 1
<i>supp_action2</i>	(Optional) Action to be taken on suppression level 2
<i>eth_ucast_supp_level1</i>	(Optional) ucast level1 supp
<i>eth_mcast_supp_level1</i>	(Optional) mcast level1 supp
<i>eth_bcast_supp_level1</i>	(Optional) bcast level1 supp

<i>eth_ucast_supp_lvl2</i>	(Optional) ucast level2 supp
<i>eth_mcast_supp_lvl2</i>	(Optional) mcast level2 supp
<i>eth_bcast_supp_lvl2</i>	(Optional) bcast level2 supp

Command Mode

- /exec

show interface counters table

```
show interface counters table [ __readonly__ { TABLE_counters <interface> <desc> <eth_load_intvl>
<eth_inrate_mbps> <eth_inrate_pcmt> <eth_outrate_mbps> <eth_outrate_pcmt> } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
table	format counters in a table
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_counters</i>	(Optional) Counters table
<i>interface</i>	(Optional) Interface
<i>desc</i>	(Optional) Interface description
<i>eth_load_intvl</i>	(Optional) interval 1 timer value in sec
<i>eth_inrate_mbps</i>	(Optional) interval 1 input rate mbps
<i>eth_inrate_pcmt</i>	(Optional) interval 1 input rate in %
<i>eth_outrate_mbps</i>	(Optional) interval 1 output rate mbps
<i>eth_outrate_pcmt</i>	(Optional) interval 1 output rate in %

Command Mode

- /exec

show interface counters table verbose

```
show interface counters table verbose [ __readonly__ { TABLE_Err_verbose <interface> <overrun> <underrun>
<Etype_Drop> <Proto_Drop> <If_Down_Drop> <RX_discard> <TX_discard> <CRC> <RX_Err> <TX_Err>
} ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
table	format counters in a table
verbose	show errors counts after counters
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_Err_verbose</i>	(Optional) verbose errors table
<i>interface</i>	(Optional) Interface
<i>overrun</i>	(Optional) overrun
<i>underrun</i>	(Optional) underruns
<i>Etype_Drop</i>	(Optional) bad ether type drop
<i>Proto_Drop</i>	(Optional) bad protocol drops
<i>If_Down_Drop</i>	(Optional) Input if-down drops
<i>RX_discard</i>	(Optional) discards
<i>TX_discard</i>	(Optional) output discard
<i>CRC</i>	(Optional) CRC
<i>RX_Err</i>	(Optional) input errors
<i>TX_Err</i>	(Optional) output errors

Command Mode

- /exec

show interface counters trunk

```
show interface <ifeth_ctr_trnk> counters trunk [ __readonly__ TABLE_interface <interface> [
<eth_trunk_frames_tx> ] [ <eth_trunk_frames_rx> ] [ <eth_wrong_encap> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_trnk</i>	Enter interface type and number in module/slot format
counters	Show interface counters
trunk	Show interface trunk counters
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>eth_trunk_frames_tx</i>	(Optional) Trunk frame transmitted
<i>eth_trunk_frames_rx</i>	(Optional) Trunk frames received
<i>eth_wrong_encap</i>	(Optional) Wrong encapsulation

Command Mode

- /exec

show interface dampening

```
show interface dampening [ __readonly__ { [ TABLE_vrf_dampen <vrf> [ TABLE_interface_dampen
<interface> <Flaps> <Penalty> <Supp> <ReuseTm> <HalfL> <ReuseV> <SuppV> <MaxSTm> <MaxP>
<Restart> ] ] } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
dampening	Show interface dampening info
__readonly__	(Optional) Read Only
TABLE_vrf_dampen	(Optional) show interface vrf dampening
vrf	(Optional) Vrf membership
TABLE_interface_dampen	(Optional) show interface dampening
interface	(Optional) Interface index
Flaps	(Optional) Number of times that an interface has flapped
Penalty	(Optional) Accumulated penalty
Supp	(Optional) Indicates if the interface is dampened
ReuseTm	(Optional) Reuse timer
HalfL	(Optional) Half-life counter
ReuseV	(Optional) Reuse threshold timer
SuppV	(Optional) Suppress threshold
MaxSTm	(Optional) Maximum suppress
MaxP	(Optional) Maximum penalty
Restart	(Optional) Restart timer

Command Mode

- /exec

show interface debounce

```
show interface <ifeth_dbnc> debounce [ __readonly__ TABLE_interface <interface> <debounce>
<debounce_val> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_dbnc</i>	Enter interface type and number in module/slot format
debounce	Show interface debounce time information
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>debounce</i>	(Optional) Debounce time
<i>debounce_val</i>	(Optional) Value(ms)

Command Mode

- /exec

show interface debounce

show interface debounce [*__readonly__* *TABLE_interface* <interface> <debounce> <debounce_val>]

Syntax Description

show	Show running system information
interface	Show interface status and information
debounce	Show interface debounce time information
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
<i>TABLE_interface</i>	(Optional) show interface
<i>debounce</i>	(Optional) Debounce time
<i>debounce_val</i>	(Optional) Value(ms)

Command Mode

- /exec

show interface description

```
show interface <ifrange> description [ __readonly__ TABLE_interface <interface> <state> <protocol> <desc> ]
```

Syntax Description

<code>show</code>	Show running system information
<code>interface</code>	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
<code>description</code>	Show interface description
<code>__readonly__</code>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
<code>TABLE_interface</code>	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>protocol</i>	(Optional) Protocol
<i>desc</i>	(Optional) Description

Command Mode

- /exec

show interface description

```
show interface <ifid_desc1> description [ __readonly__ TABLE_interface <interface_fc> [ <desc_fc> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_desc1</i>	Enter interface type and number in module/slot format
description	Show interface description
__readonly__	(Optional) Read Only
<i>interface_fc</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>desc_fc</i>	(Optional) Description

Command Mode

- /exec

show interface description

show interface <ifid> description [__readonly__ <start> <if_index> <LINE>]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
description	Interface specific description
__readonly__	(Optional) Read Only
<i>start</i>	(Optional) Start
<i>if_index</i>	(Optional) Interface
<i>LINE</i>	(Optional) Description

Command Mode

- /exec

show interface description

```
show interface description [ __readonly__ TABLE_interface <interface> [ <state> ] [ <type> ] [ <speed> ] [ <protocol> ] [ <desc> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
description	Show interface description
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>type</i>	(Optional) Type
<i>speed</i>	(Optional) Speed
<i>protocol</i>	(Optional) Protocol
<i>desc</i>	(Optional) Description

Command Mode

- /exec

show interface description

```
show interface <ifid_mgmt_loop> description [ __readonly__ TABLE_interface <interface> [ <state> ] [
<protocol> ] [ <desc> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_mgmt_loop</i>	Enter interface type and number in module/slot format
description	Show interface description
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>protocol</i>	(Optional) Protocol
<i>desc</i>	(Optional) Description

Command Mode

- /exec

show interface description

```
show interface <ifid_eth> description [ __readonly__ TABLE_interface <interface> [ <state> ] [ <type> ] [ <speed> ] [ <protocol> ] [ <desc> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_eth</i>	Enter interface type and number in module/slot format
description	Show interface description
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>type</i>	(Optional) Type
<i>speed</i>	(Optional) Speed
<i>protocol</i>	(Optional) Protocol
<i>desc</i>	(Optional) Description

Command Mode

- /exec

show interface description

```
show interface <iftun_desc> description [ __readonly__ TABLE_interface <interface> <state> <protocol>
<desc> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftun_desc</i>	Enter tunnel interface number
description	Show interface description
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>protocol</i>	(Optional) Protocol
<i>desc</i>	(Optional) Description

Command Mode

- /exec

show interface description

```
show interface <ifrange> description [ __readonly__ TABLE_interface <interface> <state> <protocol> <desc> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
description	Show interface description
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>state</i>	(Optional) Interface state
<i>protocol</i>	(Optional) Protocol
<i>desc</i>	(Optional) Description

Command Mode

- /exec

show interface detail-counters

```
show interface detail-counters [ __readonly__ [ { TABLE_counters <sfp> <in_frames> <in_bytes>
<class_2_frames> <class_2_in_bytes> <class_2_in_discards> <class_2_in_f_bsy_frames>
<class_2_in_f_rgt_frames> <class_2_in_port_reject_frames> <class_3_frames> <class_3_bytes_rcvd>
<class_f_frames> <class_f_bytes_rcvd> <class_f_in_discards> <class_f_errors_rcvd> <class_f_out_discards>
<class_f_errors_trans> <out_frames> <out_bytes> <class_2_out_frames> <class_2_bytes_trans>
<class_3_out_frames> <class_3_bytes_trans> <class_3_out_discards> <class_f_out_frames>
<class_f_bytes_trans> <class_f_discards> <muticast_rcvd> <multicast_trans> <broadcast_rcvd>
<broadcast_trans> <unicast_rcvd> <unicast_trans> <timeout_discards> <credit_loss> <link_faliures>
<sync_loss> <signal_loss> <prm_seq_pro_err> <inv_trans_err> <inv_crc> <delim_err> <addr_iden_err>
<link_reset_rcvd> <link_reset_trans> <off_seq_err_rcvd> <off_seq_err_trans> <frames_rcvd_short>
<frames_rcvd_long> [ <txwait> ] <frames_rcvd_greater> <frame_rcvd_short_header> <link_reset_resp_rcvd>
<link_reset_resp_trans> <non_oper_seq_rcvd> <non_oper_seq_trans> <frag_frames_rcvd> <frames_eof_abort>
<unknown_class_frames_rcvd> <8b10b_disparity_err> <frames_discard> <ex_link_param_sw_fab> [
<in_link_ser_req_faliures> ] <b2b_credits_transmit> [ <b2b_credits_receive> ] <eisl_frames> <framing_err>
<f8_lip_seq_err_rcvd> <f8_lip_seq_err_issued> <non_f8_lip_seq_err_rcvd> <non_f8_lip_seq_err_issued>
[ <fec_corrected> ] [ <fec_uncorrected> ] ] ] [ { TABLE_interface <interface> [ <fcoe_in_pkts> ] [
<fcoe_in_octets> ] [ <fcoe_out_pkts> ] [ <fcoe_out_octets> ] } ] ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
detail-counters	Show interface counters in detail
__readonly__	(Optional)
TABLE_counters	(Optional) show interface counters
sfp	(Optional) SFP
in_frames	(Optional) in frames
in_bytes	(Optional) in bytes
class_2_frames	(Optional) Class 2 frames
class_2_in_bytes	(Optional) Class 2 bytes received
class_2_in_discards	(Optional) Class 2 discards received
class_2_in_f_bsy_frames	(Optional) Class 2 F_BSY frames received
class_2_in_f_rgt_frames	(Optional) Class 2 F_RGT frames
class_2_in_port_reject_frames	(Optional) Class 2 port reject frames
class_3_frames	(Optional) Class 3 frames
class_3_bytes_rcvd	(Optional) Class 3 bytes received

<i>class_f_frames</i>	(Optional) Class f frames
<i>class_f_bytes_rcvd</i>	(Optional) Class F bytes received
<i>class_f_in_discards</i>	(Optional) Class F in discards
<i>class_f_errors_rcvd</i>	(Optional) Class F errors received
<i>class_f_out_discards</i>	(Optional) Class F out discards
<i>class_f_errors_trans</i>	(Optional) Class F errors transmitted
<i>out_frames</i>	(Optional) Out frames
<i>out_bytes</i>	(Optional) Out bytes
<i>class_2_out_frames</i>	(Optional) Class 2 frames transmitted
<i>class_2_bytes_trans</i>	(Optional) Class 2 bytes transmitted
<i>class_3_out_frames</i>	(Optional) Class 3 frames transmitted
<i>class_3_bytes_trans</i>	(Optional) Class 3 bytes transmitted
<i>class_3_out_discards</i>	(Optional) Class 3 out discards
<i>class_f_out_frames</i>	(Optional) Class F out frames
<i>class_f_bytes_trans</i>	(Optional) Class F bytes transmitted
<i>class_f_discards</i>	(Optional) Class F discards
<i>multicast_rcvd</i>	(Optional) Multicast received
<i>multicast_trans</i>	(Optional) Multicast transmitted
<i>broadcast_rcvd</i>	(Optional) Broadcast received
<i>broadcast_trans</i>	(Optional) Broadcast transmitted
<i>unicast_rcvd</i>	(Optional) Unicast received
<i>unicast_trans</i>	(Optional) Unicast transmitted
<i>timeout_discards</i>	(Optional) timeout discards
<i>credit_loss</i>	(Optional) credit loss
<i>link_faliures</i>	(Optional) Link faliures
<i>sync_loss</i>	(Optional) Sync Loss
<i>signal_loss</i>	(Optional) Signal Loss
<i>prm_seq_pro_err</i>	(Optional) primitive sequence protocol errors
<i>inv_trans_err</i>	(Optional) invaid transmission errors

<i>inv_crc</i>	(Optional) Invalid crc
<i>delim_err</i>	(Optional) Delimiter Errors
<i>addr_iden_err</i>	(Optional) Address Identification errors
<i>link_reset_rcvd</i>	(Optional) link reset received
<i>link_reset_trans</i>	(Optional) link reset transmitted
<i>off_seq_err_rcvd</i>	(Optional) Offline sequence error received
<i>off_seq_err_trans</i>	(Optional) Offline sequence Error transmitted
<i>frames_rcvd_short</i>	(Optional) frames received that are shorter than the minimum allowable frame length regardless of the CRC/FCS error
<i>frames_rcvd_long</i>	(Optional) frames received that are longer than the minimum allowable frame length regardless of the CRC/FCS error
<i>txwait</i>	(Optional) TXwait
<i>frames_rcvd_greater</i>	(Optional) frames received with length greater than what was agreed to in FLOGI/PLOGI
<i>frame_rcvd_short_header</i>	(Optional) frames received with length less than the minimum indicated by the frame header
<i>link_reset_resp_rcvd</i>	(Optional) Link reset responses received
<i>link_reset_resp_trans</i>	(Optional) Link reset responses transmitted
<i>non_oper_seq_rcvd</i>	(Optional) Non operational sequence received
<i>non_oper_seq_trans</i>	(Optional) Non operational sequence transmitted
<i>frag_frames_rcvd</i>	(Optional) fragmented frames received
<i>frames_eof_abort</i>	(Optional) frames EOF abort
<i>unknown_class_frames_rcvd</i>	(Optional) unknown class frames received
<i>8b10b_disparity_err</i>	(Optional) 8b10b disparity errors
<i>frames_discard</i>	(Optional) frames discard
<i>ex_link_param_sw_fab</i>	(Optional) external link parameters switch fabric
<i>in_link_ser_req_faliures</i>	(Optional) internal link serial request faliures
<i>b2b_credits_transmit</i>	(Optional) B2B credits transmit
<i>b2b_credits_receive</i>	(Optional) B2B credits receive
<i>eisl_frames</i>	(Optional) EISL frames

<i>framing_err</i>	(Optional) Framing Error
<i>f8_lip_seq_err_rcvd</i>	(Optional) f8 LIP sequence error received
<i>f8_lip_seq_err_issued</i>	(Optional) f8 LIP sequence error issued
<i>non_f8_lip_seq_err_rcvd</i>	(Optional) non f8 LIP sequence error received
<i>non_f8_lip_seq_err_issued</i>	(Optional) non f8 LIP sequence error issued
<i>fec_corrected</i>	(Optional) fec corrected blocks
<i>fec_uncorrected</i>	(Optional) fec uncorrected blocks
TABLE_interface	(Optional) interface
<i>interface</i>	(Optional) interface
<i>fcoe_in_pkts</i>	(Optional) fcoe in pkts
<i>fcoe_in_octets</i>	(Optional) fcoe in octets
<i>fcoe_out_pkts</i>	(Optional) fcoe out pkts
<i>fcoe_out_octets</i>	(Optional) fcoe out octets

Command Mode

- /exec

show interface fcoe

```
show interface <ifeth_fcoe> fcoe [ __readonly__ TABLE_interface <interface> [ <state> ] [ <vfc> ] [ <vfc_bound> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_fcoe</i>	Enter interface type and number in module/slot format
fcoe	Show interface fcoe information
<i>__readonly__</i>	(Optional) Read Only
TABLE_interface	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>state</i>	(Optional) State of interface
<i>vfc</i>	(Optional) VFC
<i>vfc_bound</i>	(Optional) Binding information

Command Mode

- /exec

show interface fec

```
show interface fec [ __readonly__ TABLE_interface <interface> [ <ifindex-hex> ] [ <admin_port_fec> ] [ <oper_port_fec> ] [ <state> ] [ <speed> ] [ <type> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
fec	Show interface fec list
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
<i>TABLE_interface</i>	(Optional) show interface
<i>ifindex-hex</i>	(Optional) If Index in Hex
<i>admin_port_fec</i>	(Optional) Admin port fec state
<i>oper_port_fec</i>	(Optional) Oper port fec state
<i>state</i>	(Optional) Interface state
<i>speed</i>	(Optional) Speed
<i>type</i>	(Optional) Type

Command Mode

- /exec

show interface flowcontrol

```
show interface <ifeth_fl_ctrl> flowcontrol [ __readonly__ TABLE_interface <interface> <send_admin>
<send_oper> <recv_admin> <recv_oper> <rxpause> <txpause> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_fl_ctrl</i>	Enter interface type and number in module/slot format
flowcontrol	Show interface flowcontrol information
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>send_admin</i>	(Optional) Send flowcontrol admin
<i>send_oper</i>	(Optional) Send flowcontrol oper
<i>recv_admin</i>	(Optional) Receive flowcontrol admin
<i>recv_oper</i>	(Optional) Receive flowcontrol oper
<i>rxpause</i>	(Optional) RxPause
<i>txpause</i>	(Optional) TxPause

Command Mode

- /exec

show interface flowcontrol

```
show interface flowcontrol [ module <module> ] [ __readonly__ TABLE_interface <interface> <send_admin>
<send_oper> <rcv_admin> <rcv_oper> <rxpause> <txpause> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
flowcontrol	Show interface flowcontrol information
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>send_admin</i>	(Optional) Send flowcontrol admin
<i>send_oper</i>	(Optional) Send flowcontrol oper
<i>rcv_admin</i>	(Optional) Receive flowcontrol admin
<i>rcv_oper</i>	(Optional) Receive flowcontrol oper
<i>rxpause</i>	(Optional) RxPause
<i>txpause</i>	(Optional) TxPause

Command Mode

- /exec

show interface hardware-mappings

show interface hardware-mappings [json]

Syntax Description

show	Show running system information
interface	Interface
hardware-mappings	Show hardware port number and unit information for interfaces
json	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show interface mac-address

```
show interface <ifid_macaddr> mac-address [ __readonly__ TABLE_interface <interface> <address>
<bia_address> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_macaddr</i>	Enter interface type and number in module/slot format
mac-address	Show interface MAC address
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>address</i>	(Optional) MAC Address
<i>bia_address</i>	(Optional) Burn-In MAC Address

Command Mode

- /exec

show interface mac-address

show interface mac-address [*__readonly__* *TABLE_interface* <interface> <address> <bia_address>]

Syntax Description

show	Show running system information
interface	Show interface status and information
mac-address	Show interface MAC address
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_interface</i>	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>address</i>	(Optional) MAC Address
<i>bia_address</i>	(Optional) Burn-In MAC Address

Command Mode

- /exec

show interface priority-flow-control

```
show interface [ <if_list> ] priority-flow-control [ detail ] [ module <module> ] [ __readonly__ [
TABLE_pfc_interface <if_name_str> <admin> <oper> [ <oper_vl_bmap> ] [ <cos-list> ] <rx-stats> <tx-stats>
[ <rx_ppp_cos_0> ] [ <rx_ppp_cos_1> ] [ <rx_ppp_cos_2> ] [ <rx_ppp_cos_3> ] [ <rx_ppp_cos_4> ] [
<rx_ppp_cos_5> ] [ <rx_ppp_cos_6> ] [ <rx_ppp_cos_7> ] [ <tx_ppp_cos_0> ] [ <tx_ppp_cos_1> ] [
<tx_ppp_cos_2> ] [ <tx_ppp_cos_3> ] [ <tx_ppp_cos_4> ] [ <tx_ppp_cos_5> ] [ <tx_ppp_cos_6> ] [
<tx_ppp_cos_7> ] ] ] ]
```

Syntax Description

show	commands to display
interface	Interface for displaying pfc information
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
priority-flow-control	Show interface PFC information
detail	(Optional) Show detailed per priority Tx/Rx PFC statistics
<i>__readonly__</i>	(Optional)
<i>if_name_str</i>	(Optional) interface name
TABLE_pfc_interface	(Optional) PFC information of an interface
<i>admin</i>	(Optional) PFC admin
<i>oper</i>	(Optional) PFC oper
<i>oper_vl_bmap</i>	(Optional) vl bitmap value
<i>cos-list</i>	(Optional) List of class-of-service values

Command Mode

- /exec

show interface private-vlan mapping

```
show interface [ <if> ] private-vlan mapping [ __readonly__ [ <output-filtered> ] [ { TABLE_interf_mapp
<interface-id> [ <secondary-vlan> + ] [ <pvlan-type> } } ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>if</i>	(Optional) Vlan Interface number
private-vlan	Show interface private vlan information
mapping	Show interface private vlan information
<i>__readonly__</i>	(Optional) Read Only
<i>output-filtered</i>	(Optional) the output is filtered for specified ifs
TABLE_interf_mapp	(Optional) Pvlan interface mapping table
<i>interface-id</i>	(Optional) Interface
<i>secondary-vlan</i>	(Optional) Secondary Vlan
<i>pvlan-type</i>	(Optional) PVLAN Type

Command Mode

- /exec

show interface pruning

```
show interface pruning [ __readonly__ <start> { TABLE_interface_pruning1 <if_index1> <rx_join> } {
TABLE_interface_pruning2 <if_index2> <cur_join> } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
pruning	Show interface trunk VTP pruning information
<i>__readonly__</i>	(Optional) Read Only
<i>start</i>	(Optional) Start
TABLE_interface_pruning1	(Optional) Interface pruning information in table format
<i>if_index1</i>	(Optional) Trunk
<i>rx_join</i>	(Optional) Vlans pruned for lack of request by neighbor
TABLE_interface_pruning2	(Optional) Interface pruning information in table format
<i>if_index2</i>	(Optional) Trunk
<i>cur_join</i>	(Optional) Vlan traffic requested of neighbor

Command Mode

- /exec

show interface queuing-drop history brief

```
show interface [ <ifindex> ] queuing-drop history brief <type> [ __readonly__
<show-interface-queuing-drop-history-brief-start> <show-hdr> <show-timestamp> <tbl-data> <show-cr>
<show-end> ]
```

Syntax Description

show	Show running system information
interface	Show interface interface
<i>ifindex</i>	(Optional) Enter interface type and number in module/slot format
queuing-drop	Show interface queuing-drop
history	Show interface queuing-drop history
brief	Show interface queuing-drop history brief
<i>type</i>	Show interface queuing-drop history detail type
__readonly__	(Optional) Read Only
<i>show-interface-queuing-drop-history-brief-start</i>	(Optional) show interface queuing-drop hist brief
<i>show-hdr</i>	(Optional) Show header
<i>show-timestamp</i>	(Optional) Show timestamp
<i>tbl-data</i>	(Optional) Show table data
<i>show-cr</i>	(Optional) Show carriage return
<i>show-end</i>	(Optional) Show end marker

Command Mode

- /exec

show interface queuing-drop history detail

```
show interface <ifindex> queuing-drop history detail <type> [ __readonly__
<show-interface-queuing-drop-history-detail-start> <show-hdr> <show-timestamp> <show-portnum> <tbl-data>
<show-cr> <show-end> ]
```

Syntax Description

show	Show running system information
interface	Show interface interface
<i>ifindex</i>	Enter interface type and number in module/slot format
queuing-drop	Show interface queuing-drop
history	Show interface queuing-drop history
detail	Show interface queuing-drop history detail
<i>type</i>	Show interface queuing-drop history detail type
<i>__readonly__</i>	(Optional) Read Only
<i>show-interface-queuing-drop-history-detail-start</i>	(Optional) show interface queuing-drop hist detail
<i>show-hdr</i>	(Optional) Show header
<i>show-timestamp</i>	(Optional) Show timestamp
<i>show-portnum</i>	(Optional) Show portnum
<i>tbl-data</i>	(Optional) Show table data
<i>show-cr</i>	(Optional) Show carriage return
<i>show-end</i>	(Optional) Show end marker

Command Mode

- /exec

show interface server-info interface

```
show interface server-info interface { all | <ifname> } [ __readonly__ TABLE_server_info <server_type>
<port> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
server-info	Show all SERVER ports
interface	interface
all	all interfaces
<i>ifname</i>	Interface name
<i>__readonly__</i>	(Optional) Read Only
TABLE_server_info	(Optional) Discovered server fabric ports
<i>server_type</i>	(Optional) Server Type
<i>port</i>	(Optional) Port

Command Mode

- /exec

show interface snmp-ifindex

```
show interface snmp-ifindex [ __readonly__ TABLE_interface <interface> <snmp-ifindex> [ <ifindex-hex> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
snmp-ifindex	Show snmp ifindex list
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>ifindex-hex</i>	(Optional) If Index in Hex
<i>snmp-ifindex</i>	(Optional) If Index in Dec

Command Mode

- /exec

show interface status

```
show interface <iftun_status> status [ err-disabled ] [ __readonly__ TABLE_interface <interface> <name>
<state> <state_rsn> <state_rsn_desc> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftun_status</i>	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>name</i>	(Optional) Name
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface status

```
show interface <ifid> status [ __readonly__ <start> <if_index> <admin-state> <line-proto> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
status	Interface status
<i>__readonly__</i>	(Optional) Read Only
<i>start</i>	(Optional) Start
<i>if_index</i>	(Optional) Interface
<i>admin-state</i>	(Optional)
<i>line-proto</i>	(Optional)

Command Mode

- /exec

show interface status

```
show interface status [ down | inactive | module <module> | up | auto-column ] [ __readonly__ TABLE_interface
<interface> [ <name> ] [ <state> ] [ <state_san> ] [ <state_reason> ] [ <vlan> ] [ <duplex> ] [ <speed> ] [
<type> ] [ <admin_mode> ] [ <vsan> ] [ <bind_info> ] [ <bind_type> ] [ <bind_mac> ] [ <oper_speed> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
down	(Optional) Show interface down state
inactive	(Optional) Show interface inactive state
auto-column	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
up	(Optional) Show interface up state
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>name</i>	(Optional) Name
<i>state</i>	(Optional) Interface state
<i>state_san</i>	(Optional) SAN Port State
<i>vlan</i>	(Optional) Vlan
<i>vsan</i>	(Optional) Vsan
<i>duplex</i>	(Optional) Duplex
<i>speed</i>	(Optional) Speed
<i>type</i>	(Optional) Type
<i>state_reason</i>	(Optional) Interface state reason
<i>bind_info</i>	(Optional) bind interface
<i>bind_type</i>	(Optional) bind type
<i>bind_mac</i>	(Optional) bind mac

<i>oper_speed</i>	(Optional) speed
<i>admin_mode</i>	(Optional) admin mode

Command Mode

- /exec

show interface status

```
show interface <ifid_status> status [ __readonly__ TABLE_interface <interface> [ <name> ] [ <state> ] [
<vlan> ] [ <duplex> ] [ <speed> ] [ <type> ] ]
```

Syntax Description

<code>show</code>	Show running system information
<code>interface</code>	Show interface status and information
<code>ifid_status</code>	Enter interface type and number in module/slot format
<code>status</code>	Show interface line status
<code>__readonly__</code>	(Optional) Read Only
<code>interface</code>	(Optional) Interface index
<code>TABLE_interface</code>	(Optional) show interface
<code>name</code>	(Optional) Name
<code>state</code>	(Optional) Interface state
<code>vlan</code>	(Optional) Vlan
<code>duplex</code>	(Optional) Duplex
<code>speed</code>	(Optional) Speed
<code>type</code>	(Optional) Type

Command Mode

- /exec

show interface status

```
show interface <ifeth_status> status [ __readonly__ TABLE_interface <interface> [ <name> ] [ <state> ] [
<vlan> ] <duplex> <speed> [ <type> ] ]
```

Syntax Description

<code>show</code>	Show running system information
<code>interface</code>	Show interface status and information
<i>ifeth_status</i>	Enter interface type and number in module/slot format
<code>status</code>	Show interface line status
<code>__readonly__</code>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
<code>TABLE_interface</code>	(Optional) show interface
<i>name</i>	(Optional) Name
<i>state</i>	(Optional) Interface state
<i>vlan</i>	(Optional) Vlan
<i>duplex</i>	(Optional) Duplex
<i>speed</i>	(Optional) Speed
<i>type</i>	(Optional) Type

Command Mode

- /exec

show interface status

```
show interface <ifrange> status [ err-disabled ] [ __readonly__ TABLE_interface <interface> <name> <state>
[ <state_rsn> ] [ <state_rsn_desc> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>name</i>	(Optional) Name
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface status

```
show interface <ifrange> status [ err-disabled ] [ __readonly__ TABLE_interface <interface> <name> <state>
<state_rsn> <state_rsn_desc> <admin_state> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>name</i>	(Optional) Name
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed
<i>admin_state</i>	(Optional) admin state

Command Mode

- /exec

show interface status err-disabled

```
show interface <ifeth_errdis> status err-disabled [ __readonly__ TABLE_interface <interface> [ <name> ]
<state> [ <state_rsn> ] [ <state_rsn_desc> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
<i>ifeth_errdis</i>	Enter interface type and number in module/slot format
err-disabled	Show interface error disabled state
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>name</i>	(Optional) Name
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface status err-disabled

```
show interface status err-disabled [ __readonly__ TABLE_interface <interface> [ <name> ] <state> [
<state_rsn> ] [ <state_rsn_desc> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
err-disabled	Show interface error disabled state
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
<i>TABLE_interface</i>	(Optional) show interface
<i>name</i>	(Optional) Name
<i>state</i>	(Optional) Interface state
<i>state_rsn</i>	(Optional) Interface state reason
<i>state_rsn_desc</i>	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface status err-vlans

```
show interface <ifeth_errvlans> status err-vlans [ __readonly__ TABLE_interface <interface> [ <name> ] [
{ TABLE_vlan [ <err_vlan> ] [ <err_vlan_status> ] [ <err_vlan_syserr> } ] ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_errvlans</i>	Enter interface type and number in module/slot format
status	Show interface line status
err-vlans	Show errored vlans
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
<i>TABLE_interface</i>	(Optional) show interface
<i>name</i>	(Optional) Name
<i>TABLE_vlan</i>	(Optional) show vlan
<i>err_vlan</i>	(Optional) Errored vlan
<i>err_vlan_status</i>	(Optional) Errored vlan status
<i>err_vlan_syserr</i>	(Optional) Errored vlan syserr name

Command Mode

- /exec

show interface status err-vlans

```
show interface status err-vlans [ __readonly__ TABLE_interface <interface> [ <name> ] { TABLE_vlan
<err_vlan> <err_vlan_status> <err_vlan_syserr> } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
err-vlans	Show errored vlans
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
<i>TABLE_interface</i>	(Optional) show interface
<i>name</i>	(Optional) Name
<i>TABLE_vlan</i>	(Optional) show vlan
<i>err_vlan</i>	(Optional) Errored vlan
<i>err_vlan_status</i>	(Optional) Errored vlan status
<i>err_vlan_syserr</i>	(Optional) Errored vlan syserr name

Command Mode

- /exec

show interface storm-control multi-threshold

```
show interface storm-control multi-threshold [ __readonly__ TABLE_interface <interface> <eth_ucast_level1>
<eth_ucast_level2> <eth_mcast_level1> <eth_mcast_level2> <eth_bcast_level1> <eth_bcast_level2>
<supp_action1> <supp_action2> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
storm-control	Show interface storm-control counters
multi-threshold	multi-level storm control
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>eth_ucast_level1</i>	(Optional) Unicast suppression percentage level 1
<i>eth_ucast_level2</i>	(Optional) Unicast suppression percentage level 2
<i>eth_mcast_level1</i>	(Optional) Multicast suppression percentage level 1
<i>eth_mcast_level2</i>	(Optional) Multicast suppression percentage level 2
<i>eth_bcast_level1</i>	(Optional) Broadcast suppression percentage level 1
<i>eth_bcast_level2</i>	(Optional) Broadcast suppression percentage level 2
<i>supp_action1</i>	(Optional) Action to be taken on suppression level 1
<i>supp_action2</i>	(Optional) Action to be taken on suppression level 2

Command Mode

- /exec

show interface switchport

```
show interface <ifeth_swth> switchport [ __readonly__ TABLE_interface <interface> <switchport> [
<switchport_monitor> ] [ <switchport_isolated> ] [ <switchport_block_multicast> ] [
<switchport_block_unicast> ] [ <mac_address_static_only> ] [ <mac_learning> ] [ <oper_mode> ] [
<access_vlan> ] [ <access_vlan_name> ] [ <native_vlan> ] [ <native_vlan_name> ] [ <trunk_vlans> ] [
<fabricpath_topologies> ] [ <pruning_vlans> ] [ <voice_vlan> ] [ <voice_vlan_name> ] [ <extended_trust>
] [ <extended_trust_name> ] [ <admin_pvlan_pri_assoc> ] [ <admin_pvlan_sec_assoc> ] [
<admin_pvlan_pri_mapping> ] [ <admin_pvlan_sec_mapping> ] [ <admin_pvlan_trunk_native> ] [
<admin_pvlan_trunk_encap> ] [ <admin_pvlan_trunk_normal> ] [ <admin_pvlan_trunk_private> ] [
<oper_pvlan> ] [ <autostate_mode> ] [ <encap_vlan> ] [ <provider_vlan> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_swth</i>	Enter interface type and number in module/slot format
switchport	Show interface switchport information
<i>__readonly__</i>	(Optional) Read Only
TABLE_interface	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>switchport</i>	(Optional) Switchport enabled
<i>switchport_monitor</i>	(Optional) Switchport monitor enabled
<i>switchport_isolated</i>	(Optional) Switchport isolated enabled
<i>switchport_block_multicast</i>	(Optional) Switchport monitor enabled
<i>switchport_block_unicast</i>	(Optional) Switchport monitor enabled
<i>mac_address_static_only</i>	(Optional) Static mac-address only enabled/disabled
<i>mac_learning</i>	(Optional) Mac learning enabled/disabled
<i>oper_mode</i>	(Optional) Operational mode
<i>access_vlan</i>	(Optional) Access mode VLAN
<i>access_vlan_name</i>	(Optional) Access mode VLAN name
<i>native_vlan</i>	(Optional) Trunking native mode VLAN
<i>native_vlan_name</i>	(Optional) Trunking native mode VLAN name
<i>trunk_vlans</i>	(Optional) Trunking VLANs Allowed

<i>fabricpath_topologies</i>	(Optional) FabricPath Topologies Allowed
<i>pruning_vlans</i>	(Optional) Pruning eligible VLANs
<i>voice_vlan</i>	(Optional) Voice VLAN
<i>voice_vlan_name</i>	(Optional) Voice VLAN name
<i>extended_trust</i>	(Optional) Extended Trust
<i>extended_trust_name</i>	(Optional) Extended Trust name
<i>admin_pvlan_pri_assoc</i>	(Optional) Administrative private-vlan primary host-association
<i>admin_pvlan_sec_assoc</i>	(Optional) Administrative private-vlan secondary host-association
<i>admin_pvlan_pri_mapping</i>	(Optional) Administrative private-vlan primary mapping
<i>admin_pvlan_sec_mapping</i>	(Optional) Administrative private-vlan secondary mapping
<i>admin_pvlan_trunk_native</i>	(Optional) Administrative private-vlan trunk native VLAN
<i>admin_pvlan_trunk_encap</i>	(Optional) Administrative private-vlan trunk encapsulation
<i>admin_pvlan_trunk_normal</i>	(Optional) Administrative private-vlan trunk normal VLANs
<i>admin_pvlan_trunk_private</i>	(Optional) Administrative private-vlan trunk private VLANs
<i>oper_pvlan</i>	(Optional) Operational private-vlan
<i>autostate_mode</i>	(Optional) SVI Autostate Exclude Info
<i>encap_vlan</i>	(Optional) L2 sub-interface dot1q VLAN
<i>provider_vlan</i>	(Optional) L2 sub-interface provider VLAN

Command Mode

- /exec

show interface switchport

```
show interface switchport [ __readonly__ TABLE_interface <interface> <switchport> [ <switchport_monitor>
] [ <switchport_isolated> ] [ <switchport_block_multicast> ] [ <switchport_block_unicast> ] [
<mac_address_static_only> ] [ <mac_learning> ] [ <oper_mode> ] [ <access_vlan> ] [ <access_vlan_name>
] [ <native_vlan> ] [ <native_vlan_name> ] [ <trunk_vlans> ] [ <fabricpath_topologies> ] [ <pruning_vlans>
] [ <voice_vlan> ] [ <voice_vlan_name> ] [ <extended_trust> ] [ <extended_trust_name> ] [
<admin_pvlan_pri_assoc> ] [ <admin_pvlan_sec_assoc> ] [ <admin_pvlan_pri_mapping> ] [
<admin_pvlan_sec_mapping> ] [ <admin_pvlan_trunk_native> ] [ <admin_pvlan_trunk_encap> ] [
<admin_pvlan_trunk_normal> ] [ <admin_pvlan_trunk_private> ] [ <oper_pvlan> ] [ <autostate_mode> ] [
<encap_vlan> ] [ <provider_vlan> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
switchport	Show interface switchport information
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>switchport</i>	(Optional) Switchport enabled
<i>switchport_monitor</i>	(Optional) Switchport monitor enabled
<i>switchport_isolated</i>	(Optional) Switchport isolated enabled
<i>mac_address_static_only</i>	(Optional) Static mac-address only enabled/disabled
<i>mac_learning</i>	(Optional) Mac learning enabled/disabled
<i>switchport_block_multicast</i>	(Optional) Switchport monitor enabled
<i>switchport_block_unicast</i>	(Optional) Switchport monitor enabled
<i>oper_mode</i>	(Optional) Operational mode
<i>access_vlan</i>	(Optional) Access mode VLAN
<i>access_vlan_name</i>	(Optional) Access mode VLAN name
<i>native_vlan</i>	(Optional) Trunking native mode VLAN
<i>native_vlan_name</i>	(Optional) Trunking native mode VLAN name
<i>trunk_vlans</i>	(Optional) Trunking VLANs Allowed
<i>fabricpath_topologies</i>	(Optional) FabricPath Topologies Allowed

<i>pruning_vlans</i>	(Optional) Pruning eligible VLANs
<i>voice_vlan</i>	(Optional) Voice VLAN
<i>voice_vlan_name</i>	(Optional) Voice VLAN name
<i>extended_trust</i>	(Optional) Extended Trust
<i>extended_trust_name</i>	(Optional) Extended Trust name
<i>admin_pvlan_pri_assoc</i>	(Optional) Administrative private-vlan primary host-association
<i>admin_pvlan_sec_assoc</i>	(Optional) Administrative private-vlan secondary host-association
<i>admin_pvlan_pri_mapping</i>	(Optional) Administrative private-vlan primary mapping
<i>admin_pvlan_sec_mapping</i>	(Optional) Administrative private-vlan secondary mapping
<i>admin_pvlan_trunk_native</i>	(Optional) Administrative private-vlan trunk native VLAN
<i>admin_pvlan_trunk_encap</i>	(Optional) Administrative private-vlan trunk encapsulation
<i>admin_pvlan_trunk_normal</i>	(Optional) Administrative private-vlan trunk normal VLANs
<i>admin_pvlan_trunk_private</i>	(Optional) Administrative private-vlan trunk private VLANs
<i>oper_pvlan</i>	(Optional) Operational private-vlan
<i>autostate_mode</i>	(Optional) SVI Autostate Exclude Info
<i>encap_vlan</i>	(Optional) L2 sub-interface dot1q VLAN
<i>provider_vlan</i>	(Optional) L2 sub-interface provider VLAN

Command Mode

- /exec

show interface switchport backup

```
show interface switchport backup [ detail ] [ __readonly__ { TABLE_pair <ai_name> <bi_name> <ai_state>
<bi_state> <ai_prefer> <bi_prefer> <preempt_mode> <delay_value> <delay_default> <delay_scheduled>
<mcast_fast> <ai_bw> <ai_bw_name> <bi_bw> <bi_bw_name> <mmu_primary> } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
switchport	Show interface switchport information
backup	Show interface backup
detail	(Optional) Backup interface info in detail
<i>__readonly__</i>	(Optional) Read Only
TABLE_pair	(Optional) Show interface backup
<i>ai_name</i>	(Optional) Active Interface name
<i>bi_name</i>	(Optional) Backup Interface name
<i>ai_state</i>	(Optional) Active Interface state
<i>bi_state</i>	(Optional) Backup Interface state
<i>ai_prefer</i>	(Optional) Active Interface prefer VLANs
<i>bi_prefer</i>	(Optional) Backup Interface prefer VLANs
<i>preempt_mode</i>	(Optional) Preempt mode
<i>delay_value</i>	(Optional) Preempt delay
<i>delay_default</i>	(Optional) Preempt delay value is default
<i>delay_scheduled</i>	(Optional) Preemption has been scheduled
<i>mcast_fast</i>	(Optional) Multicast Fast-Convergence
<i>ai_bw</i>	(Optional) Active Interface bandwidth
<i>ai_bw_name</i>	(Optional) Active Interface name for bandwidth
<i>bi_bw</i>	(Optional) Backup Interface bandwidth
<i>bi_bw_name</i>	(Optional) Backup Interface name for bandwidth
<i>mmu_primary</i>	(Optional) MAC Move Update primary VLAN

Command Mode

show interface switchport backup

- /exec

show interface transceiver

```

show interface <ifid_transceiver> transceiver [ calibrations | details | sprom ] [ __readonly__ TABLE_interface
<interface> [ <sfp> ] [ <qsfp_or_cfp> ] [ <type> ] [ <name> ] [ <partnum> ] [ <rev> ] [ <serialnum> ] [
<nom_bitrate> ] [ <len_9> ] [ <len_9_2> ] [ <len_50> ] [ <len_625> ] [ <len_cu> ] [ <len_50_OM3> ] [
<txcvr_type> ] [ <connector_type> ] [ <bit_encoding> ] [ <protocol_type> ] [ <10gbe_code> ] [
<fiber_type_byte0> ] [ <fiber_type_byte1> ] [ <tx_range> ] [ <cable_type> ] [ <ciscoid> ] [ <ciscoid_1> ] [
<cisco_part_number> ] [ <cisco_product_id> ] [ <cisco_version_id> ] [ <cisco_vendor_id> ] [
<firmware_version> ] [ <length_smf> ] [ <length_om5> ] [ <length_om4> ] [ <length_om3> ] [ <length_om2>
] [ <wave_length> ] [ <wave_len_tolerance> ] [ <host_lane_count> ] [ <med_lane_count> ] [ <max_mod_temp>
] [ <min_mod_temp> ] [ <min_op_volt> ] [ <vendor_oui> ] [ <date_code> ] [ <clei_code> ] [ <power_class>
] [ <max_power> ] [ <cable_attenuation> ] [ <near_end_lanes> ] [ <far_end_lanes> ] [ <media_interface> ]
[ <adv_code> ] [ <host_elt_intf_code> ] [ <med_intf_adv_code> ] [ <cable_length> ] [ <cmis_version> ] [
<identifier> ] [ <ext_identifier> ] [ <connector> ] [ <infiniband_compliance_code> ] [
<sonet_compliance_code> ] [ <gigabit_ethernet_compliance_code> ] [ <fibre_chan_link_length> ] [
<fibre_chan_trans_technology> ] [ <fibre_chan_trans_tech_reserved> ] [ <fibre_chan_transmission_media>
] [ <fibre_chan_speed> ] [ <encoding> ] [ <br_nominal> ] [ <reserved1> ] [ <length_om1> ] [ <length_9u_1>
] [ <length_9u_2> ] [ <length_50u> ] [ <length_60u> ] [ <length_copper> ] [ <reserved3> ] [ <vendor_part_no>
] [ <vendor_revision> ] [ <reserved4> ] [ <check_code_id> ] [ <options> ] [ <br_max> ] [ <br_min> ] [
<vendor_serial_no> ] [ <data_code> ] [ <diagnostic_monitoring_type> ] [ <enhanced_options> ] [
<sff8472compliance> ] [ <check_code_ext> ] [ <vendor_specific_data_id_data> ] [ <sfp_calibration_internal>
] [ <sfp_calibration_invalid> ] [ <info_not_available> ] [ <temp_slope> ] [ <temp_offset> ] [ <volt_slope> ]
[ <volt_offset> ] [ <curr_slope> ] [ <curr_offset> ] [ <tx_pwr_slope> ] [ <tx_pwr_offset> ] [ <rx_pwr_4> ]
[ <rx_pwr_3> ] [ <rx_pwr_2> ] [ <rx_pwr_1> ] [ <rx_pwr_0> ] [ TABLE_lane [ <lane_number> ] [
<temperature> ] [ <temp_flag> ] [ <temp_alm_hi> ] [ <temp_alm_lo> ] [ <temp_warn_hi> ] [
<temp_warn_lo> ] [ <voltage> ] [ <volt_flag> ] [ <volt_alm_hi> ] [ <volt_alm_lo> ] [ <volt_warn_hi> ] [
<volt_warn_lo> ] [ <current> ] [ <current_flag> ] [ <current_alm_hi> ] [ <current_alm_lo> ] [
<current_warn_hi> ] [ <current_warn_lo> ] [ <tx_pwr> ] [ <tx_pwr_flag> ] [ <tx_pwr_alm_hi> ] [
<tx_pwr_alm_lo> ] [ <tx_pwr_warn_hi> ] [ <tx_pwr_warn_lo> ] [ <rx_pwr> ] [ <rx_pwr_flag> ] [
<rx_pwr_alm_hi> ] [ <rx_pwr_alm_lo> ] [ <rx_pwr_warn_hi> ] [ <rx_pwr_warn_lo> ] [ <xmit_faults> ] [
<snr> ] [ <snr_flag> ] [ <snr_alm_hi> ] [ <snr_alm_lo> ] [ <snr_warn_hi> ] [ <snr_warn_lo> ] [ <isi> ] [
<isi_flag> ] [ <isi_alm_hi> ] [ <isi_alm_lo> ] [ <isi_warn_hi> ] [ <isi_warn_lo> ] [ <pam> ] [ <pam_flag>
] [ <pam_alm_hi> ] [ <pam_alm_lo> ] [ <pam_warn_hi> ] [ <pam_warn_lo> ] [ <pre_fec_ber> ] [
<pre_fec_ber_flag> ] [ <pre_fec_ber_alm_hi> ] [ <pre_fec_ber_alm_lo> ] [ <pre_fec_ber_warn_hi> ] [
<pre_fec_ber_warn_lo> ] [ <uncorrect_ber> ] [ <uncorrect_ber_flag> ] [ <uncorrect_ber_alm_hi> ] [
<uncorrect_ber_alm_lo> ] [ <uncorrect_ber_warn_hi> ] [ <uncorrect_ber_warn_lo> ] [ <tec_current> ] [
<tec_current_flag> ] [ <tec_current_alm_hi> ] [ <tec_current_alm_lo> ] [ <tec_current_warn_hi> ] [
<tec_current_warn_lo> ] [ <laser_freq> ] [ <laser_freq_flag> ] [ <laser_freq_alm_hi> ] [ <laser_freq_alm_lo>
] [ <laser_freq_warn_hi> ] [ <laser_freq_warn_lo> ] [ <laser_temp> ] [ <laser_temp_flag> ] [
<laser_temp_alm_hi> ] [ <laser_temp_alm_lo> ] [ <laser_temp_warn_hi> ] [ <laser_temp_warn_lo> ] [
<pre_fec_ber_acc> ] [ <pre_fec_ber_acc_flag> ] [ <pre_fec_ber_acc_alm_hi> ] [ <pre_fec_ber_acc_alm_lo>
] [ <pre_fec_ber_acc_warn_hi> ] [ <pre_fec_ber_acc_warn_lo> ] [ <pre_fec_ber_min> ] [
<pre_fec_ber_min_flag> ] [ <pre_fec_ber_min_alm_hi> ] [ <pre_fec_ber_min_alm_lo> ] [
<pre_fec_ber_min_warn_hi> ] [ <pre_fec_ber_min_warn_lo> ] [ <pre_fec_ber_max> ] [
<pre_fec_ber_max_flag> ] [ <pre_fec_ber_max_alm_hi> ] [ <pre_fec_ber_max_alm_lo> ] [
<pre_fec_ber_max_warn_hi> ] [ <pre_fec_ber_max_warn_lo> ] [ <pre_fec_ber_cur> ] [
<pre_fec_ber_cur_flag> ] [ <pre_fec_ber_cur_alm_hi> ] [ <pre_fec_ber_cur_alm_lo> ] [
<pre_fec_ber_cur_warn_hi> ] [ <pre_fec_ber_cur_warn_lo> ] [ <uncorrect_ber_acc> ] [
<uncorrect_ber_acc_flag> ] [ <uncorrect_ber_acc_alm_hi> ] [ <uncorrect_ber_acc_alm_lo> ] [
<uncorrect_ber_acc_warn_hi> ] [ <uncorrect_ber_acc_warn_lo> ] [ <uncorrect_ber_min> ] [

```


<i>txcvr_type</i>	(Optional)
<i>connector_type</i>	(Optional)
<i>bit_encoding</i>	(Optional)
<i>protocol_type</i>	(Optional)
<i>10gbe_code</i>	(Optional)
<i>fiber_type_byte0</i>	(Optional)
<i>fiber_type_byte1</i>	(Optional)
<i>tx_range</i>	(Optional)
<i>cable_type</i>	(Optional)
<i>ciscoid</i>	(Optional) Cisco extended id
<i>ciscoid_1</i>	(Optional) Cisco extended id number
<i>cisco_part_number</i>	(Optional) Cisco part number
<i>cisco_product_id</i>	(Optional) Cisco product identifier
<i>cisco_version_id</i>	(Optional) Cisco version identifier
<i>cisco_vendor_id</i>	(Optional) Cisco vendor identifier
<i>firmware_version</i>	(Optional) Firmware version
<i>length_smf</i>	(Optional) Length_SMF
<i>length_om5</i>	(Optional) Length_OM5
<i>length_om4</i>	(Optional) Length_OM4
<i>length_om3</i>	(Optional) Length_OM3
<i>length_om2</i>	(Optional) Length_OM2
<i>wave_length</i>	(Optional) Nominal transmitter output wavelength
<i>wave_len_tolerance</i>	(Optional) Wavelength tolerance
<i>host_lane_count</i>	(Optional) Host Lane Count
<i>med_lane_count</i>	(Optional) Media Lane Count
<i>max_mod_temp</i>	(Optional) Maximum Module Temperature
<i>min_mod_temp</i>	(Optional) Minimum Module Temperature
<i>min_op_volt</i>	(Optional) Minimum Operating Voltage
<i>vendor_oui</i>	(Optional) 3-octet canonical vendor IEEE company ID

<i>date_code</i>	(Optional) date code and lot code
<i>clei_code</i>	(Optional) 10-character CLEI code
<i>power_class</i>	(Optional) power class
<i>max_power</i>	(Optional) maximum power consumption
<i>cable_attenuation</i>	(Optional) copper cable attenuation
<i>near_end_lanes</i>	(Optional) near end lane information
<i>far_end_lanes</i>	(Optional) far end lane information
<i>media_interface</i>	(Optional) media interface technology
<i>adv_code</i>	(Optional) Module Advertising Code
<i>host_elt_intf_code</i>	(Optional) Module Host Electrical Interfaces Code
<i>med_intf_adv_code</i>	(Optional) Media Interface Advertising Code
<i>cable_length</i>	(Optional) Cable Assembly Length
<i>cmis_version</i>	(Optional) CMIS version
<i>identifier</i>	(Optional) SFP Identifier
<i>ext_identifier</i>	(Optional) SFP Ext Identifier
<i>connector</i>	(Optional) SFP connector
<i>infiniband_compliance_code</i>	(Optional) SFP Infiniband Compliance Code
<i>sonet_compliance_code</i>	(Optional) Sonet Compliance Code
<i>gigabit_ethernet_compliance_code</i>	(Optional) Gigabit Ethernet Compliance Code
<i>fibre_chan_link_length</i>	(Optional) Fibre Chan Link Length
<i>fibre_chan_trans_technology</i>	(Optional) Fibre Chan Trans Technology
<i>fibre_chan_trans_tech_reserved</i>	(Optional) Fibre Chan Trans Tech Reserved
<i>fibre_chan_transmission_media</i>	(Optional) Fibre Chan Transmission Media
<i>fibre_chan_speed</i>	(Optional) Fibre Chan Speed
<i>encoding</i>	(Optional) Encoding
<i>br_nominal</i>	(Optional) BR Nominal
<i>reserved1</i>	(Optional) Reserved1
<i>length_om1</i>	(Optional) Length_OM1
<i>length_9u_1</i>	(Optional) Length_9u_1

<i>length_9u_2</i>	(Optional) Length 9u 2
<i>length_50u</i>	(Optional) Length 50u
<i>length_60u</i>	(Optional) Length 60u
<i>length_copper</i>	(Optional) Length Copper
<i>reserved3</i>	(Optional) Reserved3
<i>vendor_part_no</i>	(Optional) Vendor Part No
<i>vendor_revision</i>	(Optional) Vendor Revision
<i>reserved4</i>	(Optional) Reserved4
<i>check_code_id</i>	(Optional) Check Code ID
<i>options</i>	(Optional) Options
<i>br_max</i>	(Optional) BR max
<i>br_min</i>	(Optional) BR min
<i>vendor_serial_no</i>	(Optional) Vendor Serial No
<i>data_code</i>	(Optional) Data code
<i>diagnostic_monitoring_type</i>	(Optional) Diagnostic Monitoring Type
<i>enhanced_options</i>	(Optional) Enhanced Options
<i>sff8472compliance</i>	(Optional) SFF8472Compliance
<i>check_code_ext</i>	(Optional) Check code ext
<i>vendor_specific_data_id_data</i>	(Optional) Vendor Specific Data Id Data
<i>sfp_calibration_internal</i>	(Optional) Checking whether sfp is internally calibrated
<i>sfp_calibration_invalid</i>	(Optional) Checking whether spf calibration is invalid
<i>info_not_available</i>	(Optional) Info not available
<i>temp_slope</i>	(Optional) Temperature slope
<i>temp_offset</i>	(Optional) Temperature offset
<i>volt_slope</i>	(Optional) Voltage slope
<i>volt_offset</i>	(Optional) Voltage offset
<i>curr_slope</i>	(Optional) Current slope
<i>curr_offset</i>	(Optional) Current offset
<i>tx_pwr_slope</i>	(Optional) Tx power slope

<i>tx_pwr_offset</i>	(Optional) Tx power offset
<i>rx_pwr_4</i>	(Optional) Rx power 4
<i>rx_pwr_3</i>	(Optional) Rx power 3
<i>rx_pwr_2</i>	(Optional) Rx power 2
<i>rx_pwr_1</i>	(Optional) Rx power 1
<i>rx_pwr_0</i>	(Optional) Rx power 0
TABLE_lane	(Optional) show lane
<i>lane_number</i>	(Optional) Lane number
<i>temperature</i>	(Optional) Temperature
<i>temp_flag</i>	(Optional) Temperature Flag
<i>temp_alrm_hi</i>	(Optional) Temperature Alarm High
<i>temp_alrm_lo</i>	(Optional) Temperature Alarm Low
<i>temp_warn_hi</i>	(Optional) Temperature Warning High
<i>temp_warn_lo</i>	(Optional) Temperature Warning Low
<i>voltage</i>	(Optional) Voltage
<i>volt_flag</i>	(Optional) Voltage Flag
<i>volt_alrm_hi</i>	(Optional) Voltage Alarm High
<i>volt_alrm_lo</i>	(Optional) Voltage Alarm Low
<i>volt_warn_hi</i>	(Optional) Voltage Warning High
<i>volt_warn_lo</i>	(Optional) Voltage Warning Low
<i>current</i>	(Optional) Current
<i>current_flag</i>	(Optional) Current Flag
<i>current_alrm_hi</i>	(Optional) Current Alarm High
<i>current_alrm_lo</i>	(Optional) Current Alarm Low
<i>current_warn_hi</i>	(Optional) Current Warning High
<i>current_warn_lo</i>	(Optional) Current Warning Low
<i>tx_pwr</i>	(Optional) Tx Power
<i>tx_pwr_flag</i>	(Optional) Tx Power Flag
<i>tx_pwr_alrm_hi</i>	(Optional) Tx Power Alarm High

<i>tx_pwr_alrm_lo</i>	(Optional) Tx Power Alarm Low
<i>tx_pwr_warn_hi</i>	(Optional) Tx Power Warning High
<i>tx_pwr_warn_lo</i>	(Optional) Tx Power Warning Low
<i>rx_pwr</i>	(Optional) Rx Power
<i>rx_pwr_flag</i>	(Optional) Rx Power Flag
<i>rx_pwr_alrm_hi</i>	(Optional) Rx Power Alarm High
<i>rx_pwr_alrm_lo</i>	(Optional) Rx Power Alarm Low
<i>rx_pwr_warn_hi</i>	(Optional) Rx Power Warning High
<i>rx_pwr_warn_lo</i>	(Optional) Rx Power Warning Low
<i>xmit_faults</i>	(Optional) Transmit Fault Count
<i>snr</i>	(Optional) RX Signal-to-Noise Ratio (SNR)
<i>snr_flag</i>	(Optional) SNR Flag
<i>snr_alrm_hi</i>	(Optional) SNR Alarm High
<i>snr_alrm_lo</i>	(Optional) SNR Alarm Low
<i>snr_warn_hi</i>	(Optional) SNR Warning High
<i>snr_warn_lo</i>	(Optional) SNR Warning Low
<i>isi</i>	(Optional) Residual-Dispersion(ISI)
<i>isi_flag</i>	(Optional) ISI Flag
<i>isi_alrm_hi</i>	(Optional) ISI alarm high
<i>isi_alrm_lo</i>	(Optional) ISI alarm low
<i>isi_warn_hi</i>	(Optional) ISI warning high
<i>isi_warn_lo</i>	(Optional) ISI warning low
<i>pam</i>	(Optional) PAM Transition
<i>pam_flag</i>	(Optional) PAM Flag
<i>pam_alrm_hi</i>	(Optional) PAM alarm high
<i>pam_alrm_lo</i>	(Optional) PAM alarm low
<i>pam_warn_hi</i>	(Optional) PAM warning high
<i>pam_warn_lo</i>	(Optional) PAM warning low
<i>pre_fec_ber</i>	(Optional) Pre-FEC BER

<i>pre_fec_ber_flag</i>	(Optional) Pre-FEC BER flag
<i>pre_fec_ber_alrm_hi</i>	(Optional) Pre-FEC BER alarm high
<i>pre_fec_ber_alrm_lo</i>	(Optional) Pre-FEC BER alarm low
<i>pre_fec_ber_warn_hi</i>	(Optional) Pre-FEC BER warning high
<i>pre_fec_ber_warn_lo</i>	(Optional) Pre-FEC BER warning low
<i>uncorrect_ber</i>	(Optional) Uncorrected BER
<i>uncorrect_ber_flag</i>	(Optional) Uncorrected BER flag
<i>uncorrect_ber_alrm_hi</i>	(Optional) Uncorrected BER alarm high
<i>uncorrect_ber_alrm_lo</i>	(Optional) Uncorrected BER alarm low
<i>uncorrect_ber_warn_hi</i>	(Optional) Uncorrected BER warning high
<i>uncorrect_ber_warn_lo</i>	(Optional) Uncorrected BER warning low
<i>tec_current</i>	(Optional) TEC Current
<i>tec_current_flag</i>	(Optional) TEC Current flag
<i>tec_current_alrm_hi</i>	(Optional) TEC Current Alarm High
<i>tec_current_alrm_lo</i>	(Optional) TEC Current Alarm Low
<i>tec_current_warn_hi</i>	(Optional) TEC Current Warning High
<i>tec_current_warn_lo</i>	(Optional) TEC Current Warning Low
<i>laser_freq</i>	(Optional) Laser Frequency
<i>laser_freq_flag</i>	(Optional) Laser Frequency flag
<i>laser_freq_alrm_hi</i>	(Optional) Laser Frequency Alarm High
<i>laser_freq_alrm_lo</i>	(Optional) Laser Frequency Alarm Low
<i>laser_freq_warn_hi</i>	(Optional) Laser Frequency Warning High
<i>laser_freq_warn_lo</i>	(Optional) Laser Frequency Warning Low
<i>laser_temp</i>	(Optional) Laser Temperature
<i>laser_temp_flag</i>	(Optional) Laser Temperature flag
<i>laser_temp_alrm_hi</i>	(Optional) Laser Temperature Alarm High
<i>laser_temp_alrm_lo</i>	(Optional) Laser Temperature Alarm Low
<i>laser_temp_warn_hi</i>	(Optional) Laser Temperature Warning High
<i>laser_temp_warn_lo</i>	(Optional) Laser Temperature Warning Low

<i>pre_fec_ber_acc</i>	(Optional) Pre-FEC BER Acc
<i>pre_fec_ber_acc_flag</i>	(Optional) Pre-FEC BER Acc flag
<i>pre_fec_ber_acc_alm_hi</i>	(Optional) Pre-FEC BER Acc alarm high
<i>pre_fec_ber_acc_alm_lo</i>	(Optional) Pre-FEC BER Acc alarm low
<i>pre_fec_ber_acc_warn_hi</i>	(Optional) Pre-FEC BER Acc warning high
<i>pre_fec_ber_acc_warn_lo</i>	(Optional) Pre-FEC BER Acc warning low
<i>pre_fec_ber_min</i>	(Optional) Pre-FEC BER Min
<i>pre_fec_ber_min_flag</i>	(Optional) Pre-FEC BER Min flag
<i>pre_fec_ber_min_alm_hi</i>	(Optional) Pre-FEC BER Min alarm high
<i>pre_fec_ber_min_alm_lo</i>	(Optional) Pre-FEC BER Min alarm low
<i>pre_fec_ber_min_warn_hi</i>	(Optional) Pre-FEC BER Min warning high
<i>pre_fec_ber_min_warn_lo</i>	(Optional) Pre-FEC BER Min warning low
<i>pre_fec_ber_max</i>	(Optional) Pre-FEC BER Max
<i>pre_fec_ber_max_flag</i>	(Optional) Pre-FEC BER Max flag
<i>pre_fec_ber_max_alm_hi</i>	(Optional) Pre-FEC BER Max alarm high
<i>pre_fec_ber_max_alm_lo</i>	(Optional) Pre-FEC BER Max alarm low
<i>pre_fec_ber_max_warn_hi</i>	(Optional) Pre-FEC BER Max warning high
<i>pre_fec_ber_max_warn_lo</i>	(Optional) Pre-FEC BER Max warning low
<i>pre_fec_ber_cur</i>	(Optional) Pre-FEC BER Cur
<i>pre_fec_ber_cur_flag</i>	(Optional) Pre-FEC BER Cur flag
<i>pre_fec_ber_cur_alm_hi</i>	(Optional) Pre-FEC BER Cur alarm high
<i>pre_fec_ber_cur_alm_lo</i>	(Optional) Pre-FEC BER Cur alarm low
<i>pre_fec_ber_cur_warn_hi</i>	(Optional) Pre-FEC BER Cur warning high
<i>pre_fec_ber_cur_warn_lo</i>	(Optional) Pre-FEC BER Cur warning low
<i>uncorrect_ber_acc</i>	(Optional) Uncorrected BER Acc
<i>uncorrect_ber_acc_flag</i>	(Optional) Uncorrected BER Acc flag
<i>uncorrect_ber_acc_alm_hi</i>	(Optional) Uncorrected BER Acc alarm high
<i>uncorrect_ber_acc_alm_lo</i>	(Optional) Uncorrected BER Acc alarm low
<i>uncorrect_ber_acc_warn_hi</i>	(Optional) Uncorrected BER Acc warning high

<i>uncorrect_ber_acc_warn_lo</i>	(Optional) Uncorrected BER Acc warning low
<i>uncorrect_ber_min</i>	(Optional) Uncorrected BER Min
<i>uncorrect_ber_min_flag</i>	(Optional) Uncorrected BER Min flag
<i>uncorrect_ber_min_alm_hi</i>	(Optional) Uncorrected BER Min alarm high
<i>uncorrect_ber_min_alm_lo</i>	(Optional) Uncorrected BER Min alarm low
<i>uncorrect_ber_min_warn_hi</i>	(Optional) Uncorrected BER Min warning high
<i>uncorrect_ber_min_warn_lo</i>	(Optional) Uncorrected BER Min warning low
<i>uncorrect_ber_max</i>	(Optional) Uncorrected BER Max
<i>uncorrect_ber_max_flag</i>	(Optional) Uncorrected BER Max flag
<i>uncorrect_ber_max_alm_hi</i>	(Optional) Uncorrected BER Max alarm high
<i>uncorrect_ber_max_alm_lo</i>	(Optional) Uncorrected BER Max alarm low
<i>uncorrect_ber_max_warn_hi</i>	(Optional) Uncorrected BER Max warning high
<i>uncorrect_ber_max_warn_lo</i>	(Optional) Uncorrected BER Max warning low
<i>uncorrect_ber_cur</i>	(Optional) Uncorrected BER Cur
<i>uncorrect_ber_cur_flag</i>	(Optional) Uncorrected BER Cur flag
<i>uncorrect_ber_cur_alm_hi</i>	(Optional) Uncorrected BER Cur alarm high
<i>uncorrect_ber_cur_alm_lo</i>	(Optional) Uncorrected BER Cur alarm low
<i>uncorrect_ber_cur_warn_hi</i>	(Optional) Uncorrected BER Cur warning high
<i>uncorrect_ber_cur_warn_lo</i>	(Optional) Uncorrected BER Cur warning low

Command Mode

- /exec

show interface transceiver

```
show interface <ifid_trns_fc> transceiver [ calibrations | details ] [ __readonly__ TABLE_interface
<interface_fc> [ <sfp_fc> ] [ <type_fc> ] [ <name_fc> ] [ <partnum_fc> ] [ <rev_fc> ] [ <serialnum_fc> ] [
<cisco_partnum_fc> ] [ <cisco_pid_fc> ] [ <tx_type_fc> ] [ <tx_len_fc> ] [ <tx_medium_fc> ] [ <tx_speeds_fc> ] [
<nom_bitrate_fc> ] [ <len_9_fc> ] [ <len_50_fc> ] [ <len_625_fc> ] [ <len_50_OM3_fc> ] [
<cisco_ext_id_fc> ] [ <txcvr_type_fc> ] [ <connector_type_fc> ] [ <bit_encoding_fc> ] [ <protocol_type_fc> ] [
<10gbe_code_fc> ] [ <fiber_type_byte0_fc> ] [ <fiber_type_byte1_fc> ] [ <tx_range_fc> ] [
<temp_slope_fc> ] [ <temp_offset_fc> ] [ <volt_slope_fc> ] [ <volt_offset_fc> ] [ <curr_slope_fc> ] [
<curr_offset_fc> ] [ <tx_pwr_slope_fc> ] [ <tx_pwr_offset_fc> ] [ <rx_pwr_4_fc> ] [ <rx_pwr_3_fc> ] [
<rx_pwr_2_fc> ] [ <rx_pwr_1_fc> ] [ <rx_pwr_0_fc> ] [ <temperature_fc> ] [ <temp_flag_fc> ] [
<temp_alm_hi_fc> ] [ <temp_alm_lo_fc> ] [ <temp_warn_hi_fc> ] [ <temp_warn_lo_fc> ] [ <voltage_fc> ] [
<volt_flag_fc> ] [ <volt_alm_hi_fc> ] [ <volt_alm_lo_fc> ] [ <volt_warn_hi_fc> ] [ <volt_warn_lo_fc> ] [
<current_fc> ] [ <current_flag_fc> ] [ <current_alm_hi_fc> ] [ <current_alm_lo_fc> ] [
<current_warn_hi_fc> ] [ <current_warn_lo_fc> ] [ <tx_pwr_fc> ] [ <tx_pwr_flag_fc> ] [ <tx_pwr_alm_hi_fc> ] [
<tx_pwr_alm_lo_fc> ] [ <tx_pwr_warn_hi_fc> ] [ <tx_pwr_warn_lo_fc> ] [ <rx_pwr_fc> ] [
<rx_pwr_flag_fc> ] [ <rx_pwr_alm_hi_fc> ] [ <rx_pwr_alm_lo_fc> ] [ <rx_pwr_warn_hi_fc> ] [
<rx_pwr_warn_lo_fc> ] [ <xmit_faults_fc> ] [ <sfp_calibration> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_trns_fc</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information
<u>__readonly__</u>	(Optional) Read Only
<i>interface_fc</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>sfp_fc</i>	(Optional) sfp
<i>type_fc</i>	(Optional) type
<i>name_fc</i>	(Optional) Name
<i>partnum_fc</i>	(Optional) part number
<i>rev_fc</i>	(Optional) revision
<i>serialnum_fc</i>	(Optional) serial number
<i>cisco_partnum_fc</i>	(Optional) Cisco part number
<i>cisco_pid_fc</i>	(Optional) Cisco PID

<i>tx_type_fc</i>	(Optional) FC Transmitter type
<i>tx_len_fc</i>	(Optional) FC Transmitter length
<i>tx_medium_fc</i>	(Optional) FC Transmitter medium
<i>tx_speeds_fc</i>	(Optional) Transmission speeds
<i>nom_bitrate_fc</i>	(Optional) Nominal bit rate in MBits/sec
<i>len_9_fc</i>	(Optional) Link length supported for 9/125um fiber
<i>len_50_fc</i>	(Optional) Link length supported for 50/125um fiber
<i>len_625_fc</i>	(Optional) Link length supported for 62.5/125um fiber
<i>len_50_OM3_fc</i>	(Optional) Link length supported for 50/125um fiber in m
<i>cisco_ext_id_fc</i>	(Optional) Cisco extended ID
<i>txcvr_type_fc</i>	(Optional) Transceiver type
<i>connector_type_fc</i>	(Optional) Connector type
<i>bit_encoding_fc</i>	(Optional) Bit encoding
<i>protocol_type_fc</i>	(Optional) Protocol type
<i>10gbe_code_fc</i>	(Optional) 10GbE code byte
<i>fiber_type_byte0_fc</i>	(Optional) Fiber Type Byte 0
<i>fiber_type_byte1_fc</i>	(Optional) Fiber Type Byte 1
<i>tx_range_fc</i>	(Optional) Transmission Range
<i>temp_slope_fc</i>	(Optional) Temperature slope
<i>temp_offset_fc</i>	(Optional) Temperature offset
<i>volt_slope_fc</i>	(Optional) Voltage slope
<i>volt_offset_fc</i>	(Optional) Voltage offset
<i>curr_slope_fc</i>	(Optional) Current slope
<i>curr_offset_fc</i>	(Optional) Current offset
<i>tx_pwr_slope_fc</i>	(Optional) Tx power slope
<i>tx_pwr_offset_fc</i>	(Optional) Tx power offset
<i>rx_pwr_4_fc</i>	(Optional) Rx power 4
<i>rx_pwr_3_fc</i>	(Optional) Rx power 3
<i>rx_pwr_2_fc</i>	(Optional) Rx power 2

<i>rx_pwr_1_fc</i>	(Optional) Rx power 1
<i>rx_pwr_0_fc</i>	(Optional) Rx power 0
<i>temperature_fc</i>	(Optional) Temperature
<i>temp_flag_fc</i>	(Optional) Temperature Flag
<i>temp_alrm_hi_fc</i>	(Optional) Temperature Alarm High
<i>temp_alrm_lo_fc</i>	(Optional) Temperature Alarm Low
<i>temp_warn_hi_fc</i>	(Optional) Temperature Warning High
<i>temp_warn_lo_fc</i>	(Optional) Temperature Warning Low
<i>voltage_fc</i>	(Optional) Voltage
<i>volt_flag_fc</i>	(Optional) Voltage Flag
<i>volt_alrm_hi_fc</i>	(Optional) Voltage Alarm High
<i>volt_alrm_lo_fc</i>	(Optional) Voltage Alarm Low
<i>volt_warn_hi_fc</i>	(Optional) Voltage Warning High
<i>volt_warn_lo_fc</i>	(Optional) Voltage Warning Low
<i>current_fc</i>	(Optional) Current
<i>current_flag_fc</i>	(Optional) Current Flag
<i>current_alrm_hi_fc</i>	(Optional) Current Alarm High
<i>current_alrm_lo_fc</i>	(Optional) Current Alarm Low
<i>current_warn_hi_fc</i>	(Optional) Current Warning High
<i>current_warn_lo_fc</i>	(Optional) Current Warning Low
<i>tx_pwr_fc</i>	(Optional) Tx Power
<i>tx_pwr_flag_fc</i>	(Optional) Tx Power Flag
<i>tx_pwr_alrm_hi_fc</i>	(Optional) Tx Power Alarm High
<i>tx_pwr_alrm_lo_fc</i>	(Optional) Tx Power Alarm Low
<i>tx_pwr_warn_hi_fc</i>	(Optional) Tx Power Warning High
<i>tx_pwr_warn_lo_fc</i>	(Optional) Tx Power Warning Low
<i>rx_pwr_fc</i>	(Optional) Rx Power
<i>rx_pwr_flag_fc</i>	(Optional) Rx Power Flag
<i>rx_pwr_alrm_hi_fc</i>	(Optional) Rx Power Alarm High

<i>rx_pwr_alm_lo_fc</i>	(Optional) Rx Power Alarm Low
<i>rx_pwr_warn_hi_fc</i>	(Optional) Rx Power Warning High
<i>rx_pwr_warn_lo_fc</i>	(Optional) Rx Power Warning Low
<i>xmit_faults_fc</i>	(Optional) Transmit Fault Count
<i>sfp_calibration</i>	(Optional) Checking whether sfp is internally calibrated

Command Mode

- /exec

show interface transceiver

```

show interface transceiver [ calibrations | details ] [ __readonly__ TABLE_interface <interface> [ <sfp> ] [
<qsfp_or_cfp> ] [ <type> ] [ <name> ] [ <partnum> ] [ <rev> ] [ <serialnum> ] [ <nom_bitrate> ] [ <len_9>
] [ <len_50> ] [ <len_625> ] [ <len_cu> ] [ <len_50_OM3> ] [ <txcvr_type> ] [ <connector_type> ] [
<bit_encoding> ] [ <protocol_type> ] [ <10gbe_code> ] [ <fiber_type_byte0> ] [ <fiber_type_byte1> ] [
<tx_type> ] [ <tx_len> ] [ <tx_medium> ] [ <tx_speeds> ] [ <tx_range> ] [ <cable_type> ] [ <ciscoid> ] [
<ciscoid_1> ] [ <cisco_part_number> ] [ <cisco_product_id> ] [ <cisco_version_id> ] [ <cisco_vendor_id>
] [ <cisco_ext_id> ] [ <firmware_version> ] [ <length_smf> ] [ <length_om5> ] [ <length_om4> ] [
<length_om3> ] [ <length_om2> ] [ <wave_length> ] [ <wave_len_tolerance> ] [ <host_lane_count> ] [
<med_lane_count> ] [ <max_mod_temp> ] [ <min_mod_temp> ] [ <min_op_volt> ] [ <vendor_oui> ] [
<date_code> ] [ <clei_code> ] [ <power_class> ] [ <max_power> ] [ <cable_attenuation> ] [ <near_end_lanes>
] [ <far_end_lanes> ] [ <media_interface> ] [ <adv_code> ] [ <host_elt_intf_code> ] [ <med_intf_adv_code>
] [ <cable_length> ] [ <cmis_version> ] [ <identifier> ] [ <ext_identifier> ] [ <connector> ] [
<infiniband_compliance_code> ] [ <sonet_compliance_code> ] [ <gigabit_ethernet_compliance_code> ] [
<fibre_chan_link_length> ] [ <fibre_chan_trans_technology> ] [ <fibre_chan_trans_tech_reserved> ] [
<fibre_chan_transmission_media> ] [ <fibre_chan_speed> ] [ <encoding> ] [ <br_nominal> ] [ <reserved1>
] [ <length_om1> ] [ <length_9u_1> ] [ <length_9u_2> ] [ <length_50u> ] [ <length_60u> ] [ <length_copper>
] [ <reserved3> ] [ <vendor_part_no> ] [ <vendor_revision> ] [ <reserved4> ] [ <check_code_id> ] [ <options>
] [ <br_max> ] [ <br_min> ] [ <vendor_serial_no> ] [ <data_code> ] [ <diagnostic_monitoring_type> ] [
<enhanced_options> ] [ <sf8472compliance> ] [ <check_code_ext> ] [ <vendor_specific_data_id_data> ] [
<sfp_calibration_internal> ] [ <sfp_calibration_invalid> ] [ <info_not_available> ] [ <temp_slope> ] [
<temp_offset> ] [ <volt_slope> ] [ <volt_offset> ] [ <curr_slope> ] [ <curr_offset> ] [ <tx_pwr_slope> ] [
<tx_pwr_offset> ] [ <rx_pwr_4> ] [ <rx_pwr_3> ] [ <rx_pwr_2> ] [ <rx_pwr_1> ] [ <rx_pwr_0> ] [
TABLE_lane [ <lane_number> ] [ <temperature> ] [ <temp_flag> ] [ <temp_alm_hi> ] [ <temp_alm_lo> ] [
<temp_warn_hi> ] [ <temp_warn_lo> ] [ <voltage> ] [ <volt_flag> ] [ <volt_alm_hi> ] [ <volt_alm_lo>
] [ <volt_warn_hi> ] [ <volt_warn_lo> ] [ <current> ] [ <current_flag> ] [ <current_alm_hi> ] [
<current_alm_lo> ] [ <current_warn_hi> ] [ <current_warn_lo> ] [ <tx_pwr> ] [ <tx_pwr_flag> ] [
<tx_pwr_alm_hi> ] [ <tx_pwr_alm_lo> ] [ <tx_pwr_warn_hi> ] [ <tx_pwr_warn_lo> ] [ <rx_pwr> ] [
<rx_pwr_flag> ] [ <rx_pwr_alm_hi> ] [ <rx_pwr_alm_lo> ] [ <rx_pwr_warn_hi> ] [ <rx_pwr_warn_lo> ] [
<xmit_faults> ] [ <snr> ] [ <snr_flag> ] [ <snr_alm_hi> ] [ <snr_alm_lo> ] [ <snr_warn_hi> ] [
<snr_warn_lo> ] [ <isi> ] [ <isi_flag> ] [ <isi_alm_hi> ] [ <isi_alm_lo> ] [ <isi_warn_hi> ] [ <isi_warn_lo>
] [ <pam> ] [ <pam_flag> ] [ <pam_alm_hi> ] [ <pam_alm_lo> ] [ <pam_warn_hi> ] [ <pam_warn_lo> ] [
<pre_fec_ber> ] [ <pre_fec_ber_flag> ] [ <pre_fec_ber_alm_hi> ] [ <pre_fec_ber_alm_lo> ] [
<pre_fec_ber_warn_hi> ] [ <pre_fec_ber_warn_lo> ] [ <uncorrect_ber> ] [ <uncorrect_ber_flag> ] [
<uncorrect_ber_alm_hi> ] [ <uncorrect_ber_alm_lo> ] [ <uncorrect_ber_warn_hi> ] [
<uncorrect_ber_warn_lo> ] [ <tec_current> ] [ <tec_current_flag> ] [ <tec_current_alm_hi> ] [
<tec_current_alm_lo> ] [ <tec_current_warn_hi> ] [ <tec_current_warn_lo> ] [ <laser_freq> ] [
<laser_freq_flag> ] [ <laser_freq_alm_hi> ] [ <laser_freq_alm_lo> ] [ <laser_freq_warn_hi> ] [
<laser_freq_warn_lo> ] [ <laser_temp> ] [ <laser_temp_flag> ] [ <laser_temp_alm_hi> ] [
<laser_temp_alm_lo> ] [ <laser_temp_warn_hi> ] [ <laser_temp_warn_lo> ] [ <pre_fec_ber_acc> ] [
<pre_fec_ber_acc_flag> ] [ <pre_fec_ber_acc_alm_hi> ] [ <pre_fec_ber_acc_alm_lo> ] [
<pre_fec_ber_acc_warn_hi> ] [ <pre_fec_ber_acc_warn_lo> ] [ <pre_fec_ber_min> ] [ <pre_fec_ber_min_flag>
] [ <pre_fec_ber_min_alm_hi> ] [ <pre_fec_ber_min_alm_lo> ] [ <pre_fec_ber_min_warn_hi> ] [
<pre_fec_ber_min_warn_lo> ] [ <pre_fec_ber_max> ] [ <pre_fec_ber_max_flag> ] [
<pre_fec_ber_max_alm_hi> ] [ <pre_fec_ber_max_alm_lo> ] [ <pre_fec_ber_max_warn_hi> ] [
<pre_fec_ber_max_warn_lo> ] [ <pre_fec_ber_cur> ] [ <pre_fec_ber_cur_flag> ] [ <pre_fec_ber_cur_alm_hi>
] [ <pre_fec_ber_cur_alm_lo> ] [ <pre_fec_ber_cur_warn_hi> ] [ <pre_fec_ber_cur_warn_lo> ] [
<uncorrect_ber_acc> ] [ <uncorrect_ber_acc_flag> ] [ <uncorrect_ber_acc_alm_hi> ] [
<uncorrect_ber_acc_alm_lo> ] [ <uncorrect_ber_acc_warn_hi> ] [ <uncorrect_ber_acc_warn_lo> ] [

```

```

<uncorrect_ber_min> ][ <uncorrect_ber_min_flag> ][ <uncorrect_ber_min_alm_hi> ][
<uncorrect_ber_min_alm_lo> ][ <uncorrect_ber_min_warn_hi> ][ <uncorrect_ber_min_warn_lo> ][
<uncorrect_ber_max> ][ <uncorrect_ber_max_flag> ][ <uncorrect_ber_max_alm_hi> ][
<uncorrect_ber_max_alm_lo> ][ <uncorrect_ber_max_warn_hi> ][ <uncorrect_ber_max_warn_lo> ][
<uncorrect_ber_cur> ][ <uncorrect_ber_cur_flag> ][ <uncorrect_ber_cur_alm_hi> ][
<uncorrect_ber_cur_alm_lo> ][ <uncorrect_ber_cur_warn_hi> ][ <uncorrect_ber_cur_warn_lo> ] ] ]

```

Syntax Description

show	Show running system information
interface	Show interface status and information
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information
__readonly__	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>sfp</i>	(Optional) sfp
<i>qsfp_or_cfp</i>	(Optional) qsfp_or_cfp
<i>type</i>	(Optional) type
<i>name</i>	(Optional) Name
<i>partnum</i>	(Optional) part number
<i>rev</i>	(Optional) revision
<i>serialnum</i>	(Optional) serial number
<i>nom_bitrate</i>	(Optional) Nominal bit rate in MBits/sec
<i>len_9</i>	(Optional) Link length supported for 9/125um fiber
<i>len_50</i>	(Optional) Link length supported for 50/125um fiber
<i>len_625</i>	(Optional) Link length supported for 62.5/125um fiber
<i>len_cu</i>	(Optional) Link length supported for copper
<i>len_50_OM3</i>	(Optional) Link length supported for 50/125um fiber in m
<i>txcvr_type</i>	(Optional)
<i>connector_type</i>	(Optional)
<i>bit_encoding</i>	(Optional)

<i>protocol_type</i>	(Optional)
<i>10gbe_code</i>	(Optional)
<i>fiber_type_byte0</i>	(Optional)
<i>fiber_type_byte1</i>	(Optional)
<i>tx_type</i>	(Optional) FC Transmitter type
<i>tx_len</i>	(Optional) FC Transmitter length
<i>tx_medium</i>	(Optional) FC Transmitter medium
<i>tx_speeds</i>	(Optional) Transmission speeds
<i>tx_range</i>	(Optional) Transmission range
<i>cable_type</i>	(Optional)
<i>ciscoid</i>	(Optional) Cisco extended id
<i>ciscoid_1</i>	(Optional) Cisco extended id number
<i>cisco_part_number</i>	(Optional) Cisco part number
<i>cisco_product_id</i>	(Optional) Cisco product identifier
<i>cisco_version_id</i>	(Optional) Cisco version identifier
<i>cisco_vendor_id</i>	(Optional) Cisco vendor identifier
<i>cisco_ext_id</i>	(Optional) Cisco extended ID
<i>firmware_version</i>	(Optional) Firmware version
<i>length_smf</i>	(Optional) Length_SMF
<i>length_om5</i>	(Optional) Length_OM5
<i>length_om4</i>	(Optional) Length_OM4
<i>length_om3</i>	(Optional) Length_OM3
<i>length_om2</i>	(Optional) Length_OM2
<i>wave_length</i>	(Optional) Nominal transmitter output wavelength
<i>wave_len_tolerance</i>	(Optional) Wavelength tolerance
<i>host_lane_count</i>	(Optional) Host Lane Count
<i>med_lane_count</i>	(Optional) Media Lane Count
<i>max_mod_temp</i>	(Optional) Maximum Module Temperature
<i>min_mod_temp</i>	(Optional) Minimum Module Temperature

<i>min_op_volt</i>	(Optional) Minimum Operating Voltage
<i>vendor_oui</i>	(Optional) 3-octet canonical vendor IEEE company ID
<i>date_code</i>	(Optional) date code and lot code
<i>clei_code</i>	(Optional) 10-character CLEI code
<i>power_class</i>	(Optional) power class
<i>max_power</i>	(Optional) maximum power consumption
<i>cable_attenuation</i>	(Optional) copper cable attenuation
<i>near_end_lanes</i>	(Optional) near end lane information
<i>far_end_lanes</i>	(Optional) far end lane information
<i>media_interface</i>	(Optional) media interface technology
<i>adv_code</i>	(Optional) Module Advertising Code
<i>host_elt_intf_code</i>	(Optional) Module Host Electrical Interfaces Code
<i>med_intf_adv_code</i>	(Optional) Media Interface Advertising Code
<i>cable_length</i>	(Optional) Cable Assembly Length
<i>cmis_version</i>	(Optional) CMIS version
<i>identifier</i>	(Optional) SFP Identifier
<i>ext_identifier</i>	(Optional) SFP Ext Identifier
<i>connector</i>	(Optional) SFP connector
<i>infiniband_compliance_code</i>	(Optional) SFP Infiniband Compliance Code
<i>sonet_compliance_code</i>	(Optional) Sonet Compliance Code
<i>gigabit_ethernet_compliance_code</i>	(Optional) Gigabit Ethernet Compliance Code
<i>fibre_chan_link_length</i>	(Optional) Fibre Chan Link Length
<i>fibre_chan_trans_technology</i>	(Optional) Fibre Chan Trans Technology
<i>fibre_chan_trans_tech_reserved</i>	(Optional) Fibre Chan Trans Tech Reserved
<i>fibre_chan_transmission_media</i>	(Optional) Fibre Chan Transmission Media
<i>fibre_chan_speed</i>	(Optional) Fibre Chan Speed
<i>encoding</i>	(Optional) Encoding
<i>br_nominal</i>	(Optional) BR Nominal
<i>reserved1</i>	(Optional) Reserved1

<i>length_om1</i>	(Optional) Length_OM1
<i>length_9u_1</i>	(Optional) Length 9u 1
<i>length_9u_2</i>	(Optional) Length 9u 2
<i>length_50u</i>	(Optional) Length 50u
<i>length_60u</i>	(Optional) Length 60u
<i>length_copper</i>	(Optional) Length Copper
<i>reserved3</i>	(Optional) Reserved3
<i>vendor_part_no</i>	(Optional) Vendor Part No
<i>vendor_revision</i>	(Optional) Vendor Revision
<i>reserved4</i>	(Optional) Reserved4
<i>check_code_id</i>	(Optional) Check Code ID
<i>options</i>	(Optional) Options
<i>br_max</i>	(Optional) BR max
<i>br_min</i>	(Optional) BR min
<i>vendor_serial_no</i>	(Optional) Vendor Serial No
<i>data_code</i>	(Optional) Data code
<i>diagnostic_monitoring_type</i>	(Optional) Diagnostic Monitoring Type
<i>enhanced_options</i>	(Optional) Enhanced Options
<i>sff8472compliance</i>	(Optional) SFF8472Compliance
<i>check_code_ext</i>	(Optional) Check code ext
<i>vendor_specific_data_id_data</i>	(Optional) Vendor Specific Data Id Data
<i>sfp_calibration_internal</i>	(Optional) Checking whether sfp is internally calibrated
<i>sfp_calibration_invalid</i>	(Optional) Checking whether sfp calibration is invalid
<i>info_not_available</i>	(Optional) No info available for this transceiver
<i>temp_slope</i>	(Optional) Temperature slope
<i>temp_offset</i>	(Optional) Temperature offset
<i>volt_slope</i>	(Optional) Voltage slope
<i>volt_offset</i>	(Optional) Voltage offset
<i>curr_slope</i>	(Optional) Current slope

<i>curr_offset</i>	(Optional) Current offset
<i>tx_pwr_slope</i>	(Optional) Tx power slope
<i>tx_pwr_offset</i>	(Optional) Tx power offset
<i>rx_pwr_4</i>	(Optional) Rx power 4
<i>rx_pwr_3</i>	(Optional) Rx power 3
<i>rx_pwr_2</i>	(Optional) Rx power 2
<i>rx_pwr_1</i>	(Optional) Rx power 1
<i>rx_pwr_0</i>	(Optional) Rx power 0
TABLE_lane	(Optional) show lane
<i>lane_number</i>	(Optional) Lane number
<i>temperature</i>	(Optional) Temperature
<i>temp_flag</i>	(Optional) Temperature Flag
<i>temp_alarm_hi</i>	(Optional) Temperature Alarm High
<i>temp_alarm_lo</i>	(Optional) Temperature Alarm Low
<i>temp_warn_hi</i>	(Optional) Temperature Warning High
<i>temp_warn_lo</i>	(Optional) Temperature Warning Low
<i>voltage</i>	(Optional) Voltage
<i>volt_flag</i>	(Optional) Voltage Flag
<i>volt_alarm_hi</i>	(Optional) Voltage Alarm High
<i>volt_alarm_lo</i>	(Optional) Voltage Alarm Low
<i>volt_warn_hi</i>	(Optional) Voltage Warning High
<i>volt_warn_lo</i>	(Optional) Voltage Warning Low
<i>current</i>	(Optional) Current
<i>current_flag</i>	(Optional) Current Flag
<i>current_alarm_hi</i>	(Optional) Current Alarm High
<i>current_alarm_lo</i>	(Optional) Current Alarm Low
<i>current_warn_hi</i>	(Optional) Current Warning High
<i>current_warn_lo</i>	(Optional) Current Warning Low
<i>tx_pwr</i>	(Optional) Tx Power

<i>tx_pwr_flag</i>	(Optional) Tx Power Flag
<i>tx_pwr_alrm_hi</i>	(Optional) Tx Power Alarm High
<i>tx_pwr_alrm_lo</i>	(Optional) Tx Power Alarm Low
<i>tx_pwr_warn_hi</i>	(Optional) Tx Power Warning High
<i>tx_pwr_warn_lo</i>	(Optional) Tx Power Warning Low
<i>rx_pwr</i>	(Optional) Rx Power
<i>rx_pwr_flag</i>	(Optional) Rx Power Flag
<i>rx_pwr_alrm_hi</i>	(Optional) Rx Power Alarm High
<i>rx_pwr_alrm_lo</i>	(Optional) Rx Power Alarm Low
<i>rx_pwr_warn_hi</i>	(Optional) Rx Power Warning High
<i>rx_pwr_warn_lo</i>	(Optional) Rx Power Warning Low
<i>xmit_faults</i>	(Optional) Transmit Fault Count
<i>snr</i>	(Optional) RX Signal-to-Noise Ratio (SNR)
<i>snr_flag</i>	(Optional) SNR Flag
<i>snr_alrm_hi</i>	(Optional) SNR Alarm High
<i>snr_alrm_lo</i>	(Optional) SNR Alarm Low
<i>snr_warn_hi</i>	(Optional) SNR Warning High
<i>snr_warn_lo</i>	(Optional) SNR Warning Low
<i>isi</i>	(Optional) Residual-Dispersion(ISI)
<i>isi_flag</i>	(Optional) ISI Flag
<i>isi_alrm_hi</i>	(Optional) ISI alarm high
<i>isi_alrm_lo</i>	(Optional) ISI alarm low
<i>isi_warn_hi</i>	(Optional) ISI warning high
<i>isi_warn_lo</i>	(Optional) ISI warning low
<i>pam</i>	(Optional) PAM Transition
<i>pam_flag</i>	(Optional) PAM Flag
<i>pam_alrm_hi</i>	(Optional) PAM alarm high
<i>pam_alrm_lo</i>	(Optional) PAM alarm low
<i>pam_warn_hi</i>	(Optional) PAM warning high

<i>pam_warn_lo</i>	(Optional) PAM warning low
<i>pre_fec_ber</i>	(Optional) Pre-FEC BER
<i>pre_fec_ber_flag</i>	(Optional) Pre-FEC BER flag
<i>pre_fec_ber_alm_hi</i>	(Optional) Pre-FEC BER alarm high
<i>pre_fec_ber_alm_lo</i>	(Optional) Pre-FEC BER alarm low
<i>pre_fec_ber_warn_hi</i>	(Optional) Pre-FEC BER warning high
<i>pre_fec_ber_warn_lo</i>	(Optional) Pre-FEC BER warning low
<i>uncorrect_ber</i>	(Optional) Uncorrected BER
<i>uncorrect_ber_flag</i>	(Optional) Uncorrected BER flag
<i>uncorrect_ber_alm_hi</i>	(Optional) Uncorrected BER alarm high
<i>uncorrect_ber_alm_lo</i>	(Optional) Uncorrected BER alarm low
<i>uncorrect_ber_warn_hi</i>	(Optional) Uncorrected BER warning high
<i>uncorrect_ber_warn_lo</i>	(Optional) Uncorrected BER warning low
<i>tec_current</i>	(Optional) TEC Current
<i>tec_current_flag</i>	(Optional) TEC Current flag
<i>tec_current_alm_hi</i>	(Optional) TEC Current Alarm High
<i>tec_current_alm_lo</i>	(Optional) TEC Current Alarm Low
<i>tec_current_warn_hi</i>	(Optional) TEC Current Warning High
<i>tec_current_warn_lo</i>	(Optional) TEC Current Warning Low
<i>laser_freq</i>	(Optional) Laser Frequency
<i>laser_freq_flag</i>	(Optional) Laser Frequency flag
<i>laser_freq_alm_hi</i>	(Optional) Laser Frequency Alarm High
<i>laser_freq_alm_lo</i>	(Optional) Laser Frequency Alarm Low
<i>laser_freq_warn_hi</i>	(Optional) Laser Frequency Warning High
<i>laser_freq_warn_lo</i>	(Optional) Laser Frequency Warning Low
<i>laser_temp</i>	(Optional) Laser Temperature
<i>laser_temp_flag</i>	(Optional) Laser Temperature flag
<i>laser_temp_alm_hi</i>	(Optional) Laser Temperature Alarm High
<i>laser_temp_alm_lo</i>	(Optional) Laser Temperature Alarm Low

<i>laser_temp_warn_hi</i>	(Optional) Laser Temperature Warning High
<i>laser_temp_warn_lo</i>	(Optional) Laser Temperature Warning Low
<i>pre_fec_ber_acc</i>	(Optional) Pre-FEC BER Acc
<i>pre_fec_ber_acc_flag</i>	(Optional) Pre-FEC BER Acc flag
<i>pre_fec_ber_acc_alm_hi</i>	(Optional) Pre-FEC BER Acc alarm high
<i>pre_fec_ber_acc_alm_lo</i>	(Optional) Pre-FEC BER Acc alarm low
<i>pre_fec_ber_acc_warn_hi</i>	(Optional) Pre-FEC BER Acc warning high
<i>pre_fec_ber_acc_warn_lo</i>	(Optional) Pre-FEC BER Acc warning low
<i>pre_fec_ber_min</i>	(Optional) Pre-FEC BER Min
<i>pre_fec_ber_min_flag</i>	(Optional) Pre-FEC BER Min flag
<i>pre_fec_ber_min_alm_hi</i>	(Optional) Pre-FEC BER Min alarm high
<i>pre_fec_ber_min_alm_lo</i>	(Optional) Pre-FEC BER Min alarm low
<i>pre_fec_ber_min_warn_hi</i>	(Optional) Pre-FEC BER Min warning high
<i>pre_fec_ber_min_warn_lo</i>	(Optional) Pre-FEC BER Min warning low
<i>pre_fec_ber_max</i>	(Optional) Pre-FEC BER Max
<i>pre_fec_ber_max_flag</i>	(Optional) Pre-FEC BER Max flag
<i>pre_fec_ber_max_alm_hi</i>	(Optional) Pre-FEC BER Max alarm high
<i>pre_fec_ber_max_alm_lo</i>	(Optional) Pre-FEC BER Max alarm low
<i>pre_fec_ber_max_warn_hi</i>	(Optional) Pre-FEC BER Max warning high
<i>pre_fec_ber_max_warn_lo</i>	(Optional) Pre-FEC BER Max warning low
<i>pre_fec_ber_cur</i>	(Optional) Pre-FEC BER Cur
<i>pre_fec_ber_cur_flag</i>	(Optional) Pre-FEC BER Cur flag
<i>pre_fec_ber_cur_alm_hi</i>	(Optional) Pre-FEC BER Cur alarm high
<i>pre_fec_ber_cur_alm_lo</i>	(Optional) Pre-FEC BER Cur alarm low
<i>pre_fec_ber_cur_warn_hi</i>	(Optional) Pre-FEC BER Cur warning high
<i>pre_fec_ber_cur_warn_lo</i>	(Optional) Pre-FEC BER Cur warning low
<i>uncorrect_ber_acc</i>	(Optional) Uncorrected BER Acc
<i>uncorrect_ber_acc_flag</i>	(Optional) Uncorrected BER Acc flag
<i>uncorrect_ber_acc_alm_hi</i>	(Optional) Uncorrected BER Acc alarm high

<i>uncorrect_ber_acc_alm_lo</i>	(Optional) Uncorrected BER Acc alarm low
<i>uncorrect_ber_acc_warn_hi</i>	(Optional) Uncorrected BER Acc warning high
<i>uncorrect_ber_acc_warn_lo</i>	(Optional) Uncorrected BER Acc warning low
<i>uncorrect_ber_min</i>	(Optional) Uncorrected BER Min
<i>uncorrect_ber_min_flag</i>	(Optional) Uncorrected BER Min flag
<i>uncorrect_ber_min_alm_hi</i>	(Optional) Uncorrected BER Min alarm high
<i>uncorrect_ber_min_alm_lo</i>	(Optional) Uncorrected BER Min alarm low
<i>uncorrect_ber_min_warn_hi</i>	(Optional) Uncorrected BER Min warning high
<i>uncorrect_ber_min_warn_lo</i>	(Optional) Uncorrected BER Min warning low
<i>uncorrect_ber_max</i>	(Optional) Uncorrected BER Max
<i>uncorrect_ber_max_flag</i>	(Optional) Uncorrected BER Max flag
<i>uncorrect_ber_max_alm_hi</i>	(Optional) Uncorrected BER Max alarm high
<i>uncorrect_ber_max_alm_lo</i>	(Optional) Uncorrected BER Max alarm low
<i>uncorrect_ber_max_warn_hi</i>	(Optional) Uncorrected BER Max warning high
<i>uncorrect_ber_max_warn_lo</i>	(Optional) Uncorrected BER Max warning low
<i>uncorrect_ber_cur</i>	(Optional) Uncorrected BER Cur
<i>uncorrect_ber_cur_flag</i>	(Optional) Uncorrected BER Cur flag
<i>uncorrect_ber_cur_alm_hi</i>	(Optional) Uncorrected BER Cur alarm high
<i>uncorrect_ber_cur_alm_lo</i>	(Optional) Uncorrected BER Cur alarm low
<i>uncorrect_ber_cur_warn_hi</i>	(Optional) Uncorrected BER Cur warning high
<i>uncorrect_ber_cur_warn_lo</i>	(Optional) Uncorrected BER Cur warning low

Command Mode

- /exec

show interface transceiver fex-fabric

```
show interface transceiver fex-fabric [ calibrations | details ] [ __readonly__ TABLE interface <interface> ]
[ <sfp> ] [ <type> ] [ <name> ] [ <partnum> ] [ <rev> ] [ <serialnum> ] [ <nom_bitrate> ] [ <len_50> ] [
<len_625> ] [ <len_50_OM3> ] [ <ciscoid> ] [ <ciscoid_1> ] [ <info_not_available> ] [ <temp_slope> ] [
<temp_offset> ] [ <volt_slope> ] [ <volt_offset> ] [ <curr_slope> ] [ <curr_offset> ] [ <tx_pwr_slope> ] [
<tx_pwr_offset> ] [ <rx_pwr_4> ] [ <rx_pwr_3> ] [ <rx_pwr_2> ] [ <rx_pwr_1> ] [ <rx_pwr_0> ] [
TABLE_lane [ <lane_number> ] [ <temperature> ] [ <temp_flag> ] [ <temp_alarm_hi> ] [ <temp_alarm_lo> ]
[ <temp_warn_hi> ] [ <temp_warn_lo> ] [ <voltage> ] [ <volt_flag> ] [ <volt_alarm_hi> ] [ <volt_alarm_lo> ]
[ <volt_warn_hi> ] [ <volt_warn_lo> ] [ <current> ] [ <current_flag> ] [ <current_alarm_hi> ] [
<current_alarm_lo> ] [ <current_warn_hi> ] [ <current_warn_lo> ] [ <tx_pwr> ] [ <tx_pwr_flag> ] [
<tx_pwr_alarm_hi> ] [ <tx_pwr_alarm_lo> ] [ <tx_pwr_warn_hi> ] [ <tx_pwr_warn_lo> ] [ <rx_pwr> ] [
<rx_pwr_flag> ] [ <rx_pwr_alarm_hi> ] [ <rx_pwr_alarm_lo> ] [ <rx_pwr_warn_hi> ] [ <rx_pwr_warn_lo> ]
[ <xmit_faults> ] [ <snr> ] [ <snr_flag> ] [ <snr_alarm_hi> ] [ <snr_alarm_lo> ] [ <snr_warn_hi> ] [
<snr_warn_lo> ] [ <isi> ] [ <isi_flag> ] [ <isi_alarm_hi> ] [ <isi_alarm_lo> ] [ <isi_warn_hi> ] [ <isi_warn_lo> ]
[ <pam> ] [ <pam_flag> ] [ <pam_alarm_hi> ] [ <pam_alarm_lo> ] [ <pam_warn_hi> ] [ <pam_warn_lo> ] [
<pre_fec_ber> ] [ <pre_fec_ber_flag> ] [ <pre_fec_ber_alarm_hi> ] [ <pre_fec_ber_alarm_lo> ] [
<pre_fec_ber_warn_hi> ] [ <pre_fec_ber_warn_lo> ] [ <uncorrect_ber> ] [ <uncorrect_ber_flag> ] [
<uncorrect_ber_alarm_hi> ] [ <uncorrect_ber_alarm_lo> ] [ <uncorrect_ber_warn_hi> ] [
<uncorrect_ber_warn_lo> ] [ <tec_current> ] [ <tec_current_flag> ] [ <tec_current_alarm_hi> ] [
<tec_current_alarm_lo> ] [ <tec_current_warn_hi> ] [ <tec_current_warn_lo> ] [ <laser_freq> ] [
<laser_freq_flag> ] [ <laser_freq_alarm_hi> ] [ <laser_freq_alarm_lo> ] [ <laser_freq_warn_hi> ] [
<laser_freq_warn_lo> ] [ <laser_temp> ] [ <laser_temp_flag> ] [ <laser_temp_alarm_hi> ] [
<laser_temp_alarm_lo> ] [ <laser_temp_warn_hi> ] [ <laser_temp_warn_lo> ] [ <pre_fec_ber_acc> ] [
<pre_fec_ber_acc_flag> ] [ <pre_fec_ber_acc_alarm_hi> ] [ <pre_fec_ber_acc_alarm_lo> ] [
<pre_fec_ber_acc_warn_hi> ] [ <pre_fec_ber_acc_warn_lo> ] [ <pre_fec_ber_min> ] [ <pre_fec_ber_min_flag> ]
[ <pre_fec_ber_min_alarm_hi> ] [ <pre_fec_ber_min_alarm_lo> ] [ <pre_fec_ber_min_warn_hi> ] [
<pre_fec_ber_min_warn_lo> ] [ <pre_fec_ber_max> ] [ <pre_fec_ber_max_flag> ] [
<pre_fec_ber_max_alarm_hi> ] [ <pre_fec_ber_max_alarm_lo> ] [ <pre_fec_ber_max_warn_hi> ] [
<pre_fec_ber_max_warn_lo> ] [ <pre_fec_ber_cur> ] [ <pre_fec_ber_cur_flag> ] [ <pre_fec_ber_cur_alarm_hi> ]
[ <pre_fec_ber_cur_alarm_lo> ] [ <pre_fec_ber_cur_warn_hi> ] [ <pre_fec_ber_cur_warn_lo> ] [
<uncorrect_ber_acc> ] [ <uncorrect_ber_acc_flag> ] [ <uncorrect_ber_acc_alarm_hi> ] [
<uncorrect_ber_acc_alarm_lo> ] [ <uncorrect_ber_acc_warn_hi> ] [ <uncorrect_ber_acc_warn_lo> ] [
<uncorrect_ber_min> ] [ <uncorrect_ber_min_flag> ] [ <uncorrect_ber_min_alarm_hi> ] [
<uncorrect_ber_min_alarm_lo> ] [ <uncorrect_ber_min_warn_hi> ] [ <uncorrect_ber_min_warn_lo> ] [
<uncorrect_ber_max> ] [ <uncorrect_ber_max_flag> ] [ <uncorrect_ber_max_alarm_hi> ] [
<uncorrect_ber_max_alarm_lo> ] [ <uncorrect_ber_max_warn_hi> ] [ <uncorrect_ber_max_warn_lo> ] [
<uncorrect_ber_cur> ] [ <uncorrect_ber_cur_flag> ] [ <uncorrect_ber_cur_alarm_hi> ] [
<uncorrect_ber_cur_alarm_lo> ] [ <uncorrect_ber_cur_warn_hi> ] [ <uncorrect_ber_cur_warn_lo> ] ] ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
transceiver	Show interface transceiver information
fex-fabric	Show FEX interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information

<i>details</i>	(Optional) Show interface transceiver detail information
<i>__readonly__</i>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_ <i>interface</i>	(Optional) show interface
<i>sfp</i>	(Optional) sfp
<i>type</i>	(Optional) type
<i>name</i>	(Optional) Name
<i>partnum</i>	(Optional) part number
<i>rev</i>	(Optional) revision
<i>serialnum</i>	(Optional) serial number
<i>nom_bitrate</i>	(Optional) Nominal bit rate in MBits/sec
<i>len_50</i>	(Optional) Link length supported for 50/125mm fiber
<i>len_625</i>	(Optional) Link length supported for 62.5/125mm fiber
<i>len_50_OM3</i>	(Optional) Link length supported for 50/125um fiber in m
<i>ciscoid</i>	(Optional) Cisco extended id
<i>ciscoid_1</i>	(Optional) Cisco extended id number
<i>info_not_available</i>	(Optional) Error case if sfp info not available
<i>temp_slope</i>	(Optional) Temperature slope
<i>temp_offset</i>	(Optional) Temperature offset
<i>volt_slope</i>	(Optional) Voltage slope
<i>volt_offset</i>	(Optional) Voltage offset
<i>curr_slope</i>	(Optional) Current slope
<i>curr_offset</i>	(Optional) Current offset
<i>tx_pwr_slope</i>	(Optional) Tx power slope
<i>tx_pwr_offset</i>	(Optional) Tx power offset
<i>rx_pwr_4</i>	(Optional) Rx power 4
<i>rx_pwr_3</i>	(Optional) Rx power 3
<i>rx_pwr_2</i>	(Optional) Rx power 2
<i>rx_pwr_1</i>	(Optional) Rx power 1

<i>rx_pwr_0</i>	(Optional) Rx power 0
TABLE_lane	(Optional) show lane
<i>lane_number</i>	(Optional) Lane number
<i>temperature</i>	(Optional) Temperature
<i>temp_flag</i>	(Optional) Temperature Flag
<i>temp_alrm_hi</i>	(Optional) Temperature Alarm High
<i>temp_alrm_lo</i>	(Optional) Temperature Alarm Low
<i>temp_warn_hi</i>	(Optional) Temperature Warning High
<i>temp_warn_lo</i>	(Optional) Temperature Warning Low
<i>voltage</i>	(Optional) Voltage
<i>volt_flag</i>	(Optional) Voltage Flag
<i>volt_alrm_hi</i>	(Optional) Voltage Alarm High
<i>volt_alrm_lo</i>	(Optional) Voltage Alarm Low
<i>volt_warn_hi</i>	(Optional) Voltage Warning High
<i>volt_warn_lo</i>	(Optional) Voltage Warning Low
<i>current</i>	(Optional) Current
<i>current_flag</i>	(Optional) Current Flag
<i>current_alrm_hi</i>	(Optional) Current Alarm High
<i>current_alrm_lo</i>	(Optional) Current Alarm Low
<i>current_warn_hi</i>	(Optional) Current Warning High
<i>current_warn_lo</i>	(Optional) Current Warning Low
<i>tx_pwr</i>	(Optional) Tx Power
<i>tx_pwr_flag</i>	(Optional) Tx Power Flag
<i>tx_pwr_alrm_hi</i>	(Optional) Tx Power Alarm High
<i>tx_pwr_alrm_lo</i>	(Optional) Tx Power Alarm Low
<i>tx_pwr_warn_hi</i>	(Optional) Tx Power Warning High
<i>tx_pwr_warn_lo</i>	(Optional) Tx Power Warning Low
<i>rx_pwr</i>	(Optional) Rx Power
<i>rx_pwr_flag</i>	(Optional) Rx Power Flag

<i>rx_pwr_alm_hi</i>	(Optional) Rx Power Alarm High
<i>rx_pwr_alm_lo</i>	(Optional) Rx Power Alarm Low
<i>rx_pwr_warn_hi</i>	(Optional) Rx Power Warning High
<i>rx_pwr_warn_lo</i>	(Optional) Rx Power Warning Low
<i>xmit_faults</i>	(Optional) Transmit Fault Count
<i>snr</i>	(Optional) RX Signal-to-Noise Ratio (SNR)
<i>snr_flag</i>	(Optional) SNR Flag
<i>snr_alm_hi</i>	(Optional) SNR Alarm High
<i>snr_alm_lo</i>	(Optional) SNR Alarm Low
<i>snr_warn_hi</i>	(Optional) SNR Warning High
<i>snr_warn_lo</i>	(Optional) SNR Warning Low
<i>isi</i>	(Optional) Residual-Dispersion(ISI)
<i>isi_flag</i>	(Optional) ISI Flag
<i>isi_alm_hi</i>	(Optional) ISI alarm high
<i>isi_alm_lo</i>	(Optional) ISI alarm low
<i>isi_warn_hi</i>	(Optional) ISI warning high
<i>isi_warn_lo</i>	(Optional) ISI warning low
<i>pam</i>	(Optional) PAM Transition
<i>pam_flag</i>	(Optional) PAM Flag
<i>pam_alm_hi</i>	(Optional) PAM alarm high
<i>pam_alm_lo</i>	(Optional) PAM alarm low
<i>pam_warn_hi</i>	(Optional) PAM warning high
<i>pam_warn_lo</i>	(Optional) PAM warning low
<i>pre_fec_ber</i>	(Optional) Pre-FEC BER
<i>pre_fec_ber_flag</i>	(Optional) Pre-FEC BER flag
<i>pre_fec_ber_alm_hi</i>	(Optional) Pre-FEC BER alarm high
<i>pre_fec_ber_alm_lo</i>	(Optional) Pre-FEC BER alarm low
<i>pre_fec_ber_warn_hi</i>	(Optional) Pre-FEC BER warning high
<i>pre_fec_ber_warn_lo</i>	(Optional) Pre-FEC BER warning low

<i>uncorrect_ber</i>	(Optional) Uncorrected BER
<i>uncorrect_ber_flag</i>	(Optional) Uncorrected BER flag
<i>uncorrect_ber_alm_hi</i>	(Optional) Uncorrected BER alarm high
<i>uncorrect_ber_alm_lo</i>	(Optional) Uncorrected BER alarm low
<i>uncorrect_ber_warn_hi</i>	(Optional) Uncorrected BER warning high
<i>uncorrect_ber_warn_lo</i>	(Optional) Uncorrected BER warning low
<i>tec_current</i>	(Optional) TEC Current
<i>tec_current_flag</i>	(Optional) TEC Current flag
<i>tec_current_alm_hi</i>	(Optional) TEC Current Alarm High
<i>tec_current_alm_lo</i>	(Optional) TEC Current Alarm Low
<i>tec_current_warn_hi</i>	(Optional) TEC Current Warning High
<i>tec_current_warn_lo</i>	(Optional) TEC Current Warning Low
<i>laser_freq</i>	(Optional) Laser Frequency
<i>laser_freq_flag</i>	(Optional) Laser Frequency flag
<i>laser_freq_alm_hi</i>	(Optional) Laser Frequency Alarm High
<i>laser_freq_alm_lo</i>	(Optional) Laser Frequency Alarm Low
<i>laser_freq_warn_hi</i>	(Optional) Laser Frequency Warning High
<i>laser_freq_warn_lo</i>	(Optional) Laser Frequency Warning Low
<i>laser_temp</i>	(Optional) Laser Temperature
<i>laser_temp_flag</i>	(Optional) Laser Temperature flag
<i>laser_temp_alm_hi</i>	(Optional) Laser Temperature Alarm High
<i>laser_temp_alm_lo</i>	(Optional) Laser Temperature Alarm Low
<i>laser_temp_warn_hi</i>	(Optional) Laser Temperature Warning High
<i>laser_temp_warn_lo</i>	(Optional) Laser Temperature Warning Low
<i>pre_fec_ber_acc</i>	(Optional) Pre-FEC BER Acc
<i>pre_fec_ber_acc_flag</i>	(Optional) Pre-FEC BER Acc flag
<i>pre_fec_ber_acc_alm_hi</i>	(Optional) Pre-FEC BER Acc alarm high
<i>pre_fec_ber_acc_alm_lo</i>	(Optional) Pre-FEC BER Acc alarm low
<i>pre_fec_ber_acc_warn_hi</i>	(Optional) Pre-FEC BER Acc warning high

<i>pre_fec_ber_acc_warn_lo</i>	(Optional) Pre-FEC BER Acc warning low
<i>pre_fec_ber_min</i>	(Optional) Pre-FEC BER Min
<i>pre_fec_ber_min_flag</i>	(Optional) Pre-FEC BER Min flag
<i>pre_fec_ber_min_alm_hi</i>	(Optional) Pre-FEC BER Min alarm high
<i>pre_fec_ber_min_alm_lo</i>	(Optional) Pre-FEC BER Min alarm low
<i>pre_fec_ber_min_warn_hi</i>	(Optional) Pre-FEC BER Min warning high
<i>pre_fec_ber_min_warn_lo</i>	(Optional) Pre-FEC BER Min warning low
<i>pre_fec_ber_max</i>	(Optional) Pre-FEC BER Max
<i>pre_fec_ber_max_flag</i>	(Optional) Pre-FEC BER Max flag
<i>pre_fec_ber_max_alm_hi</i>	(Optional) Pre-FEC BER Max alarm high
<i>pre_fec_ber_max_alm_lo</i>	(Optional) Pre-FEC BER Max alarm low
<i>pre_fec_ber_max_warn_hi</i>	(Optional) Pre-FEC BER Max warning high
<i>pre_fec_ber_max_warn_lo</i>	(Optional) Pre-FEC BER Max warning low
<i>pre_fec_ber_cur</i>	(Optional) Pre-FEC BER Cur
<i>pre_fec_ber_cur_flag</i>	(Optional) Pre-FEC BER Cur flag
<i>pre_fec_ber_cur_alm_hi</i>	(Optional) Pre-FEC BER Cur alarm high
<i>pre_fec_ber_cur_alm_lo</i>	(Optional) Pre-FEC BER Cur alarm low
<i>pre_fec_ber_cur_warn_hi</i>	(Optional) Pre-FEC BER Cur warning high
<i>pre_fec_ber_cur_warn_lo</i>	(Optional) Pre-FEC BER Cur warning low
<i>uncorrect_ber_acc</i>	(Optional) Uncorrected BER Acc
<i>uncorrect_ber_acc_flag</i>	(Optional) Uncorrected BER Acc flag
<i>uncorrect_ber_acc_alm_hi</i>	(Optional) Uncorrected BER Acc alarm high
<i>uncorrect_ber_acc_alm_lo</i>	(Optional) Uncorrected BER Acc alarm low
<i>uncorrect_ber_acc_warn_hi</i>	(Optional) Uncorrected BER Acc warning high
<i>uncorrect_ber_acc_warn_lo</i>	(Optional) Uncorrected BER Acc warning low
<i>uncorrect_ber_min</i>	(Optional) Uncorrected BER Min
<i>uncorrect_ber_min_flag</i>	(Optional) Uncorrected BER Min flag
<i>uncorrect_ber_min_alm_hi</i>	(Optional) Uncorrected BER Min alarm high
<i>uncorrect_ber_min_alm_lo</i>	(Optional) Uncorrected BER Min alarm low

<i>uncorrect_ber_min_warn_hi</i>	(Optional) Uncorrected BER Min warning high
<i>uncorrect_ber_min_warn_lo</i>	(Optional) Uncorrected BER Min warning low
<i>uncorrect_ber_max</i>	(Optional) Uncorrected BER Max
<i>uncorrect_ber_max_flag</i>	(Optional) Uncorrected BER Max flag
<i>uncorrect_ber_max_alm_hi</i>	(Optional) Uncorrected BER Max alarm high
<i>uncorrect_ber_max_alm_lo</i>	(Optional) Uncorrected BER Max alarm low
<i>uncorrect_ber_max_warn_hi</i>	(Optional) Uncorrected BER Max warning high
<i>uncorrect_ber_max_warn_lo</i>	(Optional) Uncorrected BER Max warning low
<i>uncorrect_ber_cur</i>	(Optional) Uncorrected BER Cur
<i>uncorrect_ber_cur_flag</i>	(Optional) Uncorrected BER Cur flag
<i>uncorrect_ber_cur_alm_hi</i>	(Optional) Uncorrected BER Cur alarm high
<i>uncorrect_ber_cur_alm_lo</i>	(Optional) Uncorrected BER Cur alarm low
<i>uncorrect_ber_cur_warn_hi</i>	(Optional) Uncorrected BER Cur warning high
<i>uncorrect_ber_cur_warn_lo</i>	(Optional) Uncorrected BER Cur warning low

Command Mode

- /exec

show interface transceiver fex-fabric

```
show interface <ifeth_trans> transceiver fex-fabric [ calibrations | details ] [ __readonly__ TABLE_interface
<interface> <sfp> <name> <partnum> <rev> <serialnum> <nom_bitrate> <len_50> <len_625> <ciscoid>
<ciscoid_1> [ <temp_slope> ] [ <temp_offset> ] [ <volt_slope> ] [ <volt_offset> ] [ <curr_slope> ] [
<curr_offset> ] [ <tx_pwr_slope> ] [ <tx_pwr_offset> ] [ <rx_pwr_4> ] [ <rx_pwr_3> ] [ <rx_pwr_2> ] [
<rx_pwr_1> ] [ <rx_pwr_0> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_trans</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
fex-fabric	Show FEX interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information
<u>__readonly__</u>	(Optional) Read Only
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>sfp</i>	(Optional) sfp
<i>name</i>	(Optional) Name
<i>partnum</i>	(Optional) part number
<i>rev</i>	(Optional) revision
<i>serialnum</i>	(Optional) serial number
<i>nom_bitrate</i>	(Optional) Nominal bit rate in MBits/sec
<i>len_50</i>	(Optional) Link length supported for 50/125mm fiber
<i>len_625</i>	(Optional) Link length supported for 62.5/125mm fiber
<i>ciscoid</i>	(Optional) Cisco extended id
<i>ciscoid_1</i>	(Optional) Cisco extended id number
<i>temp_slope</i>	(Optional) Temperature slope
<i>temp_offset</i>	(Optional) Temperature offset
<i>volt_slope</i>	(Optional) Voltage slope

<i>volt_offset</i>	(Optional) Voltage offset
<i>curr_slope</i>	(Optional) Current slope
<i>curr_offset</i>	(Optional) Current offset
<i>tx_pwr_slope</i>	(Optional) Tx power slope
<i>tx_pwr_offset</i>	(Optional) Tx power offset
<i>rx_pwr_4</i>	(Optional) Rx power 4
<i>rx_pwr_3</i>	(Optional) Rx power 3
<i>rx_pwr_2</i>	(Optional) Rx power 2
<i>rx_pwr_1</i>	(Optional) Rx power 1
<i>rx_pwr_0</i>	(Optional) Rx power 0

Command Mode

- /exec

show interface trunk

```
show interface trunk [ module <module> | vlan <vlan_id> | fex <fex_num> ] [ __readonly__ [ {
TABLE_interface <interface> [ <native> ] <status> <portchannel> } ] [ { TABLE_allowed_vlans <interface>
<allowedvlans> } ] [ { TABLE_errored_vlans <interface> <erroredvlans> } ] [ { TABLE_stp_forward
<interface> <stpfdv_vlans> } ] [ { TABLE_fabricpath_vlans <interface> <fabricpath_vlans> } ] [ {
TABLE_vtp_pruning <interface> <vtppruning_vlans> } ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
trunk	Show interface trunk information
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
fex	(Optional) Limit display to interfaces on a FEX
<i>fex_num</i>	(Optional) Enter FEX number
vlan	(Optional) Show per vlan information for trunk
<i>vlan_id</i>	(Optional) Enter vlan range
<i>interface</i>	(Optional) Interface index
<i>__readonly__</i>	(Optional) Read Only
TABLE_interface	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>native</i>	(Optional) Native VLAN
<i>status</i>	(Optional) Status
<i>portchannel</i>	(Optional) Port Channel
TABLE_allowed_vlans	(Optional) show allowed vlans
<i>interface</i>	(Optional) Interface index
<i>allowedvlans</i>	(Optional) VLANs allowed and active in management domain
TABLE_errored_vlans	(Optional) show errored vlans
<i>interface</i>	(Optional) Interface index
<i>erroredvlans</i>	(Optional) Errored VLANs
TABLE_stp_forward	(Optional) show STP forwarding VLANs

<i>interface</i>	(Optional) Interface index
<i>stp fwd_vlans</i>	(Optional) STP Forwarding VLANs
TABLE_fabricpath_vlans	(Optional) show fabricpath VLANs
<i>interface</i>	(Optional) Interface index
<i>fabricpath_vlans</i>	(Optional) FabricPath VLANs
TABLE_vtp_pruning	(Optional) show VTP pruning VLANs
<i>vtp pruning_vlans</i>	(Optional) VTP Pruning VLANs

Command Mode

- /exec

show interface trunk

```
show interface <ifeth_trnk> trunk [ __readonly__ { TABLE_interface <interface> [ <native> ] <status>
<portchannel> } { TABLE_allowed_vlans <interface> <allowedvlans> } { TABLE_errored_vlans <interface>
<erroredvlans> } { TABLE_stp_forward <interface> <stpfwd_vlans> } [ { TABLE_fabricpath_vlans
<interface> <fabricpath_vlans> } ] { TABLE_vtp_pruning <interface> <vtp pruning_vlans> } ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_trnk</i>	Enter interface type and number in module/slot format
trunk	Show interface trunk information
<i>__readonly__</i>	(Optional) Read Only
TABLE_interface	(Optional) show interface
<i>interface</i>	(Optional) Interface index
<i>native</i>	(Optional) Native VLAN
<i>status</i>	(Optional) Status
<i>portchannel</i>	(Optional) Port Channel
TABLE_allowed_vlans	(Optional) show allowed vlans
<i>interface</i>	(Optional) Interface index
<i>allowedvlans</i>	(Optional) VLANs allowed and active in management domain
TABLE_errored_vlans	(Optional) show errored vlans
<i>interface</i>	(Optional) Interface index
<i>erroredvlans</i>	(Optional) Errored VLANs
TABLE_stp_forward	(Optional) show STP forwarding VLANs
<i>interface</i>	(Optional) Interface index
<i>stpfwd_vlans</i>	(Optional) STP Forwarding VLANs
TABLE_fabricpath_vlans	(Optional) show fabricpath VLANs
<i>interface</i>	(Optional) Interface index
<i>fabricpath_vlans</i>	(Optional) FabricPath VLANs
TABLE_vtp_pruning	(Optional) show VTP pruning VLANs

<i>interface</i>	(Optional) Interface index
<i>vtp pruning vlans</i>	(Optional) VTP Pruning VLANs

Command Mode

- /exec

show interface trunk vsan

```
show interface trunk vsan [ <vsan_id> ] [ __readonly__ { TABLE_interface_trunk [ <interface> ] [ <oper_state> ] [ <oper_state_reason> ] [ <bundle_str> ] [ TABLE_vsan_info { [ <vsan_num> ] [ <vsan_state> ] [ <vsan_state_reason> ] [ <fcid> ] } } ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
trunk	Show interface trunk information
vsan	Show per vsan information for trunk
<i>vsan_id</i>	(Optional) Enter vsan range
<i>__readonly__</i>	(Optional)
TABLE_interface_trunk	(Optional) interface trunk table
<i>interface</i>	(Optional) fc interface
<i>oper_state</i>	(Optional) the status of trunking
<i>oper_state_reason</i>	(Optional) reason for operation state
<i>bundle_str</i>	(Optional) bundle string
TABLE_vsan_info	(Optional) vsan information
<i>vsan_num</i>	(Optional) the vsan ID
<i>vsan_state</i>	(Optional) the status of vsan
<i>vsan_state_reason</i>	(Optional) reason for vsan state
<i>fcid</i>	(Optional) FCID

Command Mode

- /exec

show interface trunk vsan

```
show interface <ifid_trnk> trunk vsan [ <vsan_id> ] [ __readonly__ { TABLE_interface_trunk [ <interface>
] [ <oper_state> ] [ <oper_state_reason> ] [ <bundle_str> ] [ TABLE_vsan_info { [ <vsan_num> ] [
<vsan_state> ] [ <vsan_state_reason> ] [ <fcid> } ] } ] }
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_trnk</i>	Enter interface type and number in module/slot format
trunk	Show interface trunk information
vsan	Show per vsan information for trunk
<i>vsan_id</i>	(Optional) Enter vsan range
<i>__readonly__</i>	(Optional) Read Only
TABLE_interface_trunk	(Optional) interface trunk table
<i>interface</i>	(Optional) fc interface
<i>oper_state</i>	(Optional) the status of trunking
<i>oper_state_reason</i>	(Optional) reason for operation state
<i>bundle_str</i>	(Optional) bundle string
TABLE_vsan_info	(Optional) vsan information
<i>vsan_num</i>	(Optional) the vsan ID
<i>vsan_state</i>	(Optional) the ststus of vsan
<i>vsan_state_reason</i>	(Optional) reason for vsan state
<i>fcid</i>	(Optional) FCID

Command Mode

- /exec

show interface untagged-cos

```
show interface untagged-cos [ module <mod_num> ] [ __readonly__ TABLE_interface <interface>
<ucos-value> [ <portmode> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
untagged-cos	Show interface untagged CoS information
module	(Optional) Limit display to interfaces on module
<i>mod_num</i>	(Optional) Enter module number
<i>__readonly__</i>	(Optional)
<i>interface</i>	(Optional) Interface index
TABLE_interface	(Optional) show interface
<i>ucos-value</i>	(Optional) COS value
<i>portmode</i>	(Optional) Port mode

Command Mode

- /exec

show interface vlan mapping

```
show interface <ifindex> vlan mapping [ __readonly__ <if-index-id> { TABLE_vlan_xlt <orig-vlan-id> [
<inner-vlan-id> ] <xlt-vlan-id> } <show-end> [ <true-end> ] ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifindex</i>	Enter interface type and number in module/slot format
vlan	Show VLAN information
mapping	VLAN translation mapping
<i>__readonly__</i>	(Optional) Read Only
TABLE_vlan_xlt	(Optional) Vlan translation table
<i>if-index-id</i>	(Optional) Interface index id
<i>orig-vlan-id</i>	(Optional) Original Vlan Id
<i>inner-vlan-id</i>	(Optional) Inner Vlan Id
<i>xlt-vlan-id</i>	(Optional) Translated Vlan Id
<i>show-end</i>	(Optional) Show vlan end marker
<i>true-end</i>	(Optional) Show vlan end marker

Command Mode

- /exec

show inventory

```
show inventory [ chassis | fans | power_supply | module [ <module> ] | <s0> [ <santa-cruz-range> ] | all ] [
__readonly__ TABLE_inv <name> <desc> <productid> <vendorid> <serialnum> ]
```

Syntax Description

show	Show running system information
inventory	system inventory information
chassis	(Optional) system inventory chassis information
fans	(Optional) system inventory fan information
power_supply	(Optional) system inventory power supply information
module	(Optional) system inventory module information
<i>module</i>	(Optional) please enter the module number
<i>s0</i>	(Optional) please enter the module number
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
all	(Optional) system and transceiver inventory information
<i>__readonly__</i>	(Optional)
TABLE_inv	(Optional) Inventory table
<i>name</i>	(Optional) Name of inventory
<i>desc</i>	(Optional) Description of inventory
<i>productid</i>	(Optional) Product ID
<i>vendorid</i>	(Optional) Vendor ID
<i>serialnum</i>	(Optional) Serial Number

Command Mode

- /exec

<i>global_punt_pkt_cnt</i>	(Optional) Global packet punt count
<i>global_punt_byte_cnt</i>	(Optional) Global byte punt count
<i>global_glean_pkt_cnt</i>	(Optional) Global glean packet count
<i>global_glean_byte_cnt</i>	(Optional) Global glean byte count
<i>glean_pkt_cnt</i>	(Optional) Glean packet count
<i>glean_byte_cnt</i>	(Optional) Glean byte count
<i>normal_pkt_cnt</i>	(Optional) Packet count
<i>normal_byte_cnt</i>	(Optional) Byte count
<i>last_updated</i>	(Optional) Last updated
<i>count-static</i>	(Optional) Count static
<i>count-dynamic</i>	(Optional) Count dynamic
<i>count-others</i>	(Optional) Count others
<i>count-throttle</i>	(Optional) Count throttle
<i>count-total</i>	(Optional) Count total
TABLE_afi	(Optional) TABLR afi
<i>afi</i>	(Optional) afi
<i>count</i>	(Optional) count
TABLE_adj	(Optional) Adjacency table
<i>intf-out</i>	(Optional) Interface
<i>phy-intf</i>	(Optional) Physical interface
<i>ip-addr-out</i>	(Optional) IP address
<i>mac</i>	(Optional) MAC address
<i>pref</i>	(Optional) Preference
<i>owner</i>	(Optional) Owner
<i>pkt-count</i>	(Optional) Packet count
<i>byte-count</i>	(Optional) Byte count
<i>mobility</i>	(Optional) Mobility
<i>is-best</i>	(Optional) Best
<i>is-thrtld</i>	(Optional) Throttled

Command Mode

- /exec

show ip amt relay

```
show { ip | ipv6 } amt relay [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ TABLE_vrf <vrf>
<tut> <ra> <nds> <ldn> <nts> <lrn> <lra> <lq> <uc> <rc4> <rc6> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
amt	AMT show commands
relay	Display status information about the AMT Relay
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>tut</i>	(Optional)
<i>ra</i>	(Optional)
<i>vrf</i>	(Optional)
<i>nds</i>	(Optional)
<i>ldn</i>	(Optional)
<i>nts</i>	(Optional)
<i>lrn</i>	(Optional)
<i>lra</i>	(Optional)
<i>lq</i>	(Optional)
<i>uc</i>	(Optional)
<i>rc4</i>	(Optional)
<i>rc6</i>	(Optional)

Command Mode

- /exec

show ip amt route

```
show { ip | ipv6 } amt route [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ TABLE_vrf <vrf>
<rc4> <rc6> { TABLE_route <addrs> <if> <nbr> <gwa> <gw_exp> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
amt	AMT show commands
route	Display multicast routes learned via AMT
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
<i>rc4</i>	(Optional)
<i>rc6</i>	(Optional)
TABLE_route	(Optional)
<i>addrs</i>	(Optional)
<i>if</i>	(Optional)
<i>nbr</i>	(Optional)
<i>gwa</i>	(Optional)
<i>gw_exp</i>	(Optional)

Command Mode

- /exec

show ip amt tunnel

```
show ip amt tunnel [ <address4> <port> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__
TABLE_vrf <vrf> <tc4> { TABLE_tunnel <gwa> <gwp> <ut> <ld> <lr> <rc> <exp> { TABLE_route
<source> <group> <rexp> } } ]
```

Syntax Description

show	Show running system information
amt	AMT show commands
ip	Display IP information
tunnel	Display tunnel information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>address4</i>	(Optional) IP address of tunnel endpoint
<i>port</i>	(Optional) UDP port number of gateway
detail	(Optional) Display routes joined by tunnel endpoint
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
<i>tc4</i>	(Optional)
TABLE_tunnel	(Optional)
<i>gwa</i>	(Optional)
<i>gwp</i>	(Optional)
<i>ut</i>	(Optional)
<i>ld</i>	(Optional)
<i>lr</i>	(Optional)
<i>rc</i>	(Optional)
<i>exp</i>	(Optional)
TABLE_route	(Optional)
<i>source</i>	(Optional)

<i>group</i>	(Optional)
<i>rexp</i>	(Optional)

Command Mode

- /exec

show ip arp

```
show ip arp [ [ [ <ip-address> | [ sync-entries | fhrp-non-active-learn ] [ detail ] | static | summary | [ summary
] <interface> ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ] [ __readonly__ TABLE_vrf <vrf-name-out>
[ <cnt-resolved> ] [ <cnt-incomplete> ] [ <cnt-thrld-incomplete> ] [ <cnt-unknown> ] [ <cnt-total> ] [
TABLE_adj <intf-out> <ip-addr-out> [ <time-stamp> ] { <mac> | <unknown> | <incomplete> } [ <phy-intf>
] [ <flags> ] [ <adj-vrf-name> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
summary	(Optional) Display ARP adjacency summary
detail	(Optional) Display detailed information
sync-entries	(Optional) Display ARP table learnt only due to arp table sync
fhrp-non-active-learn	(Optional) Display ARP table learnt only due to request for non-active FHRP address
<i>interface</i>	(Optional) ARP interface
<i>ip-address</i>	(Optional) IP address
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 ARP entries for all vrfs
static	(Optional) Display Static ARP entries
__readonly__	(Optional)
TABLE_vrf	(Optional) Show VRF table
<i>vrf-name-out</i>	(Optional) Show VRF name
<i>cnt-resolved</i>	(Optional) Show total resolved ARP entries
<i>cnt-incomplete</i>	(Optional) Show total incomplete ARP entreis
<i>cnt-thrld-incomplete</i>	(Optional) Show total incomplete throttled entries
<i>cnt-unknown</i>	(Optional) Show total unknow entris
<i>cnt-total</i>	(Optional) Show total

<i>TABLE_adj</i>	(Optional) Show IP ARP
<i>intf-out</i>	(Optional) Show interface
<i>ip-addr-out</i>	(Optional) Show ip address
<i>time-stamp</i>	(Optional) Show age of adjacency
<i>mac</i>	(Optional) Show mac
<i>unknown</i>	(Optional) Show unknown entry
<i>incomplete</i>	(Optional) Show incomplete entry
<i>phy-intf</i>	(Optional) Show physical interface
<i>flags</i>	(Optional) Show flags
<i>adj-vrf-name</i>	(Optional) Show VRF name

Command Mode

- /exec

show ip arp anycast topo-info

```
show ip arp anycast topo-info [ <topo-id> ] [ __readonly__ { TABLE_ip_arp_anycast_topo_info [
<ip_arp_anycat_topo_id> ] [ <ip_arp_anycast_feature> ] [ <ip_arp_anycast_mode> ] } ]
```

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
anycast	anycast feature info
topo-info	Per topology specific information
<i>topo-id</i>	(Optional) Topology ID (VLAN-ID or BD-ID)
<i>__readonly__</i>	(Optional)
<i>TABLE_ip_arp_anycast_topo_info</i>	(Optional) Show ip arp anycast topo-info
<i>ip_arp_anycat_topo_id</i>	(Optional) Show ARP anycast topo-id
<i>ip_arp_anycast_feature</i>	(Optional) Show ARP anycast feature
<i>ip_arp_anycast_mode</i>	(Optional) Show ARP anycast mode

Command Mode

- /exec

show ip arp client

```
show ip arp client [ __readonly__ { <arp-clients> } [ TABLE_arp_client_list { <arp-cli-uuid> <l2-client-type>
<client-flg> <mts-addr-sap> <cli-msg-cnt> [ <l2-cli-func-name> ] [ <l2-cli-dbg-func> ] [
<l2-cli-dbg-un-init-func> ] } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
client	Display ARP Client table
<i>__readonly__</i>	(Optional)
<i>arp-clients</i>	(Optional) Number of ARP Clients
<i>TABLE_arp_client_list</i>	(Optional) Show ip arp client
<i>arp-cli-uuid</i>	(Optional) Protocol uuid
<i>l2-client-type</i>	(Optional) Client type
<i>client-flg</i>	(Optional) Flags
<i>mts-addr-sap</i>	(Optional) SAP
<i>cli-msg-cnt</i>	(Optional) Client message count
<i>l2-cli-func-name</i>	(Optional) Received function
<i>l2-cli-dbg-func</i>	(Optional) Debug init function
<i>l2-cli-dbg-un-init-func</i>	(Optional) Debug Un-init function

Command Mode

- /exec

show ip arp controller-statistics

```
show ip arp controller-statistics [ __readonly__ { TABLE_ip_arp_controller_statistics [
<arp_adj_controller_add_count> ] [ <arp_adj_controller_del_count> ] [ <arp_adj_controller_add_err_count>
] [ <arp_adj_controller_del_err> ] } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
controller-statistics	Controller statistics
__readonly__	(Optional)
TABLE_ip_arp_controller_statistics	(Optional) Show controller-statistics
<i>arp_adj_controller_add_count</i>	(Optional)
<i>arp_adj_controller_del_count</i>	(Optional)
<i>arp_adj_controller_add_err_count</i>	(Optional)
<i>arp_adj_controller_del_err</i>	(Optional)

Command Mode

- /exec

show ip arp inspection

```
show ip arp inspection [ __readonly__ <src_mac_valid> <dest_mac_valid> <ip_addr_valid> TABLE_entry
<active_vlan_id> <is_insp_enabled> <oper_state> [ <acl_name> ] [ [ <acl_logging> ] <dhcp_logging> ] [
<req_fwded> <res_fwded> <req_dropped> <res_dropped> <dhcp_drops> [ <acl_drops> ] <dhcp_permits>
[ <acl_permits> ] <req_smac_fails> <res_smac_fails> <res_dmac_fails> <req_ip_fails> <res_ip_fails> ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
<i>__readonly__</i>	(Optional) read only
<i>src_mac_valid</i>	(Optional) source ethernet address in header must be same as sender mac address in arp payload
<i>dest_mac_valid</i>	(Optional) destination ethernet address in header must be same as target mac address in arp payload
<i>ip_addr_valid</i>	(Optional) validate the target ip address to filter broadcast/multicast address in arp payload
TABLE_entry	(Optional)
<i>active_vlan_id</i>	(Optional) active vlan id
<i>is_insp_enabled</i>	(Optional)
<i>oper_state</i>	(Optional)
<i>acl_name</i>	(Optional)
<i>acl_logging</i>	(Optional)
<i>dhcp_logging</i>	(Optional)

Command Mode

- /exec

show ip arp inspection interfaces

```
show ip arp inspection interfaces [ <intf1> ] [ __readonly__ <intf_header> [ TABLE_intf <intf2> <trust_state> ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
interfaces	Trust status of all interfaces
<i>intf1</i>	(Optional) interface
<i>__readonly__</i>	(Optional)
TABLE_intf	(Optional)
<i>intf_header</i>	(Optional)
<i>intf2</i>	(Optional)
<i>trust_state</i>	(Optional)

Command Mode

- /exec

show ip arp inspection log

```
show ip arp inspection log [ __readonly__ <log_buff_size> <log_rate_entries> <log_rate_interval> [
<log_frame> ] + ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
log	Log Buffer
<i>__readonly__</i>	(Optional)
<i>log_buff_size</i>	(Optional) number of entries per log buffer
<i>log_rate_entries</i>	(Optional) number of entries into log buffer per sec
<i>log_rate_interval</i>	(Optional) time after which log buffer is updated in sec
<i>log_frame</i>	(Optional) log frames in buffer

Command Mode

- /exec

show ip arp inspection statistics

```
show ip arp inspection statistics [ vlan <vlan-range> ] [ __readonly__ TABLE_stats <vlanid> <req_fwded>
<res_fwded> <req_dropped> <res_dropped> <dhcp_drops> [ <acl_drops> ] <dhcp_permits> [ <acl_permits>
] <req_smac_fails> <res_smac_fails> <res_dmac_fails> <req_ip_fails> <res_ip_fails> ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
statistics	Status of ARP Inspection
vlan	(Optional) Selected vlan range
<i>vlan-range</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
<i>__readonly__</i>	(Optional)
TABLE_stats	(Optional)
<i>vlanid</i>	(Optional) ip arp inspection vlan id

Command Mode

- /exec

show ip arp inspection vlan

```
show ip arp inspection { vlan <vlan-range> } [ __readonly__ <src_vlan_mac_valid> <dest_vlan_mac_valid>
<ip_vlan_addr_valid> TABLE_vlan <active_vlan_id> <is_insp_enabled> <oper_state> [ <dhcp_logging> ]
[ <acl_name> ] [ <acl_logging> ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
vlan	Selected vlan range
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
<i>__readonly__</i>	(Optional)
<i>src_vlan_mac_valid</i>	(Optional) validates header source mac address with sender mac address in arp payload
<i>dest_vlan_mac_valid</i>	(Optional) validates header destination mac address with target mac address in arp payload
<i>ip_vlan_addr_valid</i>	(Optional) filters invalid ip addresses like multicast/broadcast in arp requests/responses
TABLE_vlan	(Optional)
<i>active_vlan_id</i>	(Optional) active vlan id
<i>is_insp_enabled</i>	(Optional) ip arp inspection on vlan
<i>oper_state</i>	(Optional) operational on vlan
<i>acl_name</i>	(Optional) arp inspection access list name
<i>acl_logging</i>	(Optional) acl logging options
<i>dhcp_logging</i>	(Optional) ip arp inspection dhcp-binding logging options

Command Mode

- /exec

show ip arp l2 statistics interface

```
show ip arp l2 statistics interface { <interface> | all } [ __readonly__ { TABLE_ip_arp_l2_statistics
<arp-l2-port-ifname> <arp-l2-port-stats-rx-total> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
l2	Display ARP L2 port level info
statistics	Display ARP statistics
interface	ARP interface
<i>interface</i>	ARP interface
all	Display ARP statistics for all interface
__readonly__	(Optional)
TABLE_ip_arp_l2_statistics	(Optional) Show ip arp l2 stats
<i>arp-l2-port-ifname</i>	(Optional) Interface name
<i>arp-l2-port-stats-rx-total</i>	(Optional) L2 port stats rx toal

Command Mode

- /exec

show ip arp multihoming-statistics

```
show ip arp multihoming-statistics [ <interface> ] [ interface-all ] [ vrf { <vrf-name> | <vrf-known-name> |
all } ] [ __readonly__ TABLE_vrf <vrf-name-out2> TABLE_stat <ps-recv-add-l2rib> <ps-proc-add-l2rib>
<ps-recv-del-l2rib> <ps-proc-del-l2rib> <ps-recv-pc-shut-l2rib> <ps-proc-pc-shut-l2rib>
<ps-recv-remote-upd-l2rib> <ps-proc-remote-upd-l2rib> <ps-add-err-invalid-flags> <ps-del-err-invalid-flags>
<ps-add-err-invalid-curr-state> <ps-del-err-invalid-curr-state> <ps-del-err-mac-mismatch> <ps-del-err-sec-del>
<ps-del-err-tl-route> <tl-del-err-psro-route> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
multihoming-statistics	Display ARP Multihoming stats
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 ARP Multihoming statistics for all vrfs
interface-all	(Optional) Display ARP Multihoming statistics for all interface
<i>interface</i>	(Optional) ARP interface
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name-out2</i>	(Optional) VRF name
TABLE_stat	(Optional) Show ip arp multihoming statistics
<i>ps-recv-add-l2rib</i>	(Optional) Received ADD from L2RIB
<i>ps-recv-del-l2rib</i>	(Optional) Received DEL from L2RIB
<i>ps-recv-remote-upd-l2rib</i>	(Optional) Received remote UPD from L2RIB
<i>ps-recv-pc-shut-l2rib</i>	(Optional) Received PC shut from L2RIB
<i>ps-proc-add-l2rib</i>	(Optional) Processed ADD from L2RIB
<i>ps-proc-del-l2rib</i>	(Optional) Processed DEL from L2RIB
<i>ps-proc-remote-upd-l2rib</i>	(Optional) Processed remote UPD from L2RIB
<i>ps-proc-pc-shut-l2rib</i>	(Optional) Processed PC shut from L2RIB

<i>ps-add-err-invalid-flags</i>	(Optional) Multihoming ADD error invalid flag
<i>ps-del-err-invalid-flags</i>	(Optional) Multihoming DEL error invalid flag
<i>ps-add-err-invalid-curr-state</i>	(Optional) Multihoming ADD error invalid current state
<i>ps-del-err-invalid-curr-state</i>	(Optional) Multihoming DEL error invalid current state
<i>ps-del-err-mac-mismatch</i>	(Optional) Peer sync DEL error MAC mismatch
<i>ps-del-err-tl-route</i>	(Optional) Peer sync DEL error second delete
<i>tl-del-err-psro-route</i>	(Optional) True local DEL error deleteing PS RO route
<i>ps-del-err-sec-del</i>	(Optional) Peer sync DEL error second delete

Command Mode

- /exec

show ip arp off-list

```
show ip arp off-list [ { vlan | bdi } <vlan-id> ] [ __readonly__ [ <offlist-vlan-id> <vlan-adj-cnt> ] [
<arp-sync-adj-cnt> ] { TABLE_arp_vlan_list <adj-vlan-id> <off-adj-ip-addr> <time-stamp> <arp-mac-addr>
<off-adj-flags> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
off-list	Show adjacencies in off-list arp database
vlan	(Optional) Vlan id
bdi	(Optional) Bridge Domain Name/Id
<i>vlan-id</i>	(Optional) Show information for specified vlan
<i>__readonly__</i>	(Optional)
<i>offlist-vlan-id</i>	(Optional) Show ip arp offlist vlan-id
<i>vlan-adj-cnt</i>	(Optional) Show ip arp vlan adjacency count
<i>arp-sync-adj-cnt</i>	(Optional) Show arp sync adjacency count
TABLE_arp_vlan_list	(Optional) Show ip arp vlan list
<i>adj-vlan-id</i>	(Optional) Show ip arp adjacency vlan id
<i>off-adj-ip-addr</i>	(Optional) Show arp offlist adjacency ip address
<i>time-stamp</i>	(Optional) Show duration
<i>arp-mac-addr</i>	(Optional) Show mac address
<i>off-adj-flags</i>	(Optional) show offlist adjacency flgs

Command Mode

- /exec

show ip arp open-flow error-statistics

```
show ip arp open-flow error-statistics [ __readonly__ <arp_ofa_total_err_cnt> <arp_ofa_dp_adj_err_on_del>
<arp_ofa_cp_mac_mismatch_err_on_del> <arp_ofa_cp_null_mac_err_on_del>
<arp_ofa_cp_no_adj_err_on_del_flag> <arp_ofa_cp_cp_nh_mismatch_err_on_del>
<arp_ofa_cp_adj_del_failure_err> <arp_ofa_cp_null_mac_err_on_add>
<arp_ofa_cp_dp_mac_mismatch_err_on_add> <arp_ofa_cp_cp_mac_mismatch_err_on_add>
<arp_ofa_cp_added_first_err> <arp_ofa_dp_overwrite_cp_err> <arp_ofa_dp_cp_nh_mismatch_err_on_add>
<arp_ofa_cp_cp_nh_mismatch_err_on_add> <arp_ofa_cp_dp_nh_mismatch_err_on_add>
<arp_ofa_cp_adj_add_failure_err> <arp_ofa_peer_ip_lookup_rec_phy_iod_err>
<arp_ofa_peer_ip_ipv6_rec_phy_iod_err> <arp_ofa_peer_ip_lookup_adj_phy_iod_err>
<arp_ofa_peer_ip_ipv6_adj_phy_iod_err> <arp_ofa_barrier_response_err> ]
```

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
open-flow	open flow
error-statistics	IR mode specific adjacency statistics
<i>__readonly__</i>	(Optional)
<i>arp_ofa_total_err_cnt</i>	(Optional) OFA total error count
<i>arp_ofa_dp_adj_err_on_del</i>	(Optional) Controller Deleting DP adjacency error
<i>arp_ofa_cp_mac_mismatch_err_on_del</i>	(Optional) CP adjacency MAC mismatch error while delete
<i>arp_ofa_cp_null_mac_err_on_del</i>	(Optional) CP adjacency NULL mac error while delete
<i>arp_ofa_cp_no_adj_err_on_del_flag</i>	(Optional) No adjacency found while delete
<i>arp_ofa_cp_cp_nh_mismatch_err_on_del</i>	(Optional) CP adjacency NH mismatch error while delete
<i>arp_ofa_cp_adj_del_failure_err</i>	(Optional) Other errors while deleting
<i>arp_ofa_cp_null_mac_err_on_add</i>	(Optional) CP adjacency NULL mac error while Adding
<i>arp_ofa_cp_dp_mac_mismatch_err_on_add</i>	(Optional) DP adjacency present with different mac
<i>arp_ofa_cp_cp_mac_mismatch_err_on_add</i>	(Optional) CP adjacency present with different mac
<i>arp_ofa_cp_added_first_err</i>	(Optional) CP adjacency added first
<i>arp_ofa_dp_overwrite_cp_err</i>	(Optional) Overwriting CP adjacency with DP
<i>arp_ofa_dp_cp_nh_mismatch_err_on_add</i>	(Optional) DP adjacency already present with different NH
<i>arp_ofa_cp_cp_nh_mismatch_err_on_add</i>	(Optional) CP adjacency already present with different NH

<i>arp_ofa_cp_dp_nh_mismatch_err_on_add</i>	(Optional) Overwriting CP adj with DP with different NH
<i>arp_ofa_cp_adj_add_failure_err</i>	(Optional) Other errors while adding
<i>arp_ofa_peer_ip_lookup_rec_phy_iod_err</i>	(Optional) Peer IP lookup for received physical iod
<i>arp_ofa_peer_ip_ipv6_rec_phy_iod_err</i>	(Optional) Peer is IPv6 for received physical iod
<i>arp_ofa_peer_ip_lookup_adj_phy_iod_err</i>	(Optional) Peer IP lookup for adjacency physical iod
<i>arp_ofa_peer_ip_ipv6_adj_phy_iod_err</i>	(Optional) Peer is IPv6 for adjacecny physical iod
<i>arp_ofa_barrier_response_err</i>	(Optional) Barrier responses

Command Mode

- /exec

show ip arp statistics

```
show ip arp statistics [ <interface> ] [ interface-all ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
__readonly__ TABLE_vrf <vrf-name-out1> [ TABLE_stat <tx-total> <tx-rewrite-pkt> <tx-req> <tx-reply>
<tx-req-l2> <tx-reply-l2> <tx-grat> <tx-tunnel> <tx-drop> <tx-rewrite-drop> [ <tx-srvrport> ] [ <tx-fbrport>
] [ <tx-fixup-core> ] [ <tx-fixup-server> ] [ <tx-fixup-rarp> ] [ <tx-anycast-glean> ] <tx-mbuf-fail>
<tx-ctxt-not-crted> <tx-bad-ctxt-id> <tx-invalid-ifindex> <tx-invalid-sip> <tx-invalid-dip> <tx-own-ip>
<tx-unattached-ip> <tx-adj-create-fail> <tx-null-sip> <tx-null-smac> <tx-client-enq-fail>
<tx-dest-unreachable-proxy-arp> <tx-dest-unreachable-enhanced-proxy> <tx-dest-l2port-track>
<tx-invalid-local-proxy> <tx-invalid-proxy> <tx-vip-not-active>
<tx-skip-refresh-over-core-and-flood-to-server> <rx-total> <rx-req> <rx-reply> <rx-req-l2> <rx-reply-l2>
<rx-proxy> <rx-local-proxy> <rx-enhanced-proxy> <rx-enhanced-proxy-anycast>
<rx-enhanced-proxy-l2port-track> <rx-tunnel> <rx-fastpath> <rx-snoop> <rx-drop> <rx-srvrport> <bad-if>
<bad-len> <invalid-opcode> <invalid-prot> <invalid-hrd-type> <invalid-ctxt> <ctxt-not-crted> <invalid-l2>
<invalid-l3> <invalid-sip> <our-sip> <arp-if-no-mem> <subnet-mismatch> <dir-bcast> <invalid-dip>
<non-local-dst> <non-active-fhrp> <invalid-smac> <our-smac> <not-init> <l2-prxy-en> <l2-port-untrusted>
<stdby-fhrp-vip> <grat-prxy-en> <arp-req-ignore> <l2-intf> <l2fm-query-fail> <tunnel_fail> [
<hsrp-active-vmac> ] [ <rx-intf-down> ] <recv-glean-count> <refresh-req-from-clients> <l2rib-signals>
<skip-dyn-add> <adds> <dels> <timeouts> <del-dyn-stat-add> ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
statistics	Display ARP statistics
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 ARP statistics for all vrfs
interface-all	(Optional) Display ARP statistics for all interface
<i>interface</i>	(Optional) ARP interface
<u>__readonly__</u>	(Optional)
TABLE_vrf	(Optional) Table Vrf
<i>vrf-name-out1</i>	(Optional) Show VRF name
TABLE_stat	(Optional) Show IP ARP statistics
<i>tx-total</i>	(Optional) Sent: total
<i>tx-rewrite-pkt</i>	(Optional) Sent: rewrite pkt

<i>tx-req</i>	(Optional) Sent: request
<i>tx-reply</i>	(Optional) Sent: reply
<i>tx-req-l2</i>	(Optional) Sent: request on L2
<i>tx-reply-l2</i>	(Optional) Sent: replay on L2
<i>tx-grat</i>	(Optional) Sent: gratuitous
<i>tx-tunnel</i>	(Optional) Sent: tunnel packet
<i>tx-drop</i>	(Optional) Sent:Dropped packet
<i>tx-rewrite-drop</i>	(Optional) Sent:Dropped rewrite packet
<i>tx-srvrport</i>	(Optional) Sent from Server Port
<i>tx-fbrport</i>	(Optional) Sent from Fabric Port
<i>tx-fixup-core</i>	(Optional) Sent: fixup core
<i>tx-fixup-server</i>	(Optional) Sent: fixup server
<i>tx-fixup-rarp</i>	(Optional) Sent: fixup rarp
<i>tx-anycast-glean</i>	(Optional) Sent: modified anycast glean
<i>tx-mbuf-fail</i>	(Optional) Sent:MBUF operation failed
<i>tx-ctxt-not-crtd</i>	(Optional) Sent:Context not yet created
<i>tx-bad-ctxt-id</i>	(Optional) Sent:Invalid context
<i>tx-invalid-ifindex</i>	(Optional) Sent:Invalid ifindex
<i>tx-invalid-sip</i>	(Optional) Sent:Invalid SRC IP
<i>tx-invalid-dip</i>	(Optional) Sent:Invalid DEST IP
<i>tx-own-ip</i>	(Optional) Sent:Destination is our own IP
<i>tx-unattached-ip</i>	(Optional) Sent:Unattached IP
<i>tx-adj-create-fail</i>	(Optional) Sent:Adjacency Couldn't be added
<i>tx-null-sip</i>	(Optional) Sent:Null Source IP
<i>tx-null-smac</i>	(Optional) Sent: Null Source MAC
<i>tx-client-enq-fail</i>	(Optional) Sent: Client Enqueue Failed
<i>tx-dest-unreachable-proxy-arp</i>	(Optional) Sent: Dest. not reachable for proxy arp
<i>tx-dest-unreachable-enhanced-proxy</i>	(Optional) Sent:Dest. unreachable for enhanced proxy
<i>tx-dest-l2port-track</i>	(Optional) Sent:Dest. on L2 port being tracked

<i>tx-invalid-local-proxy</i>	(Optional) Sent:Invalid Local proxy arp
<i>tx-invalid-proxy</i>	(Optional) Sent:Invalid proxy arp
<i>tx-vip-not-active</i>	(Optional) Sent:VIP is not active
<i>tx-skip-refresh-over-core-and-flood-to-server</i>	(Optional) ARP refresh skipped over core and sent on server side
<i>rx-total</i>	(Optional) Received: total
<i>rx-req</i>	(Optional) Received: Requests
<i>rx-reply</i>	(Optional) Received: Replies
<i>rx-req-l2</i>	(Optional) Received: Requests on L2
<i>rx-reply-l2</i>	(Optional) Received: Replies on L2
<i>rx-proxy</i>	(Optional) Received: Proxy arp
<i>rx-local-proxy</i>	(Optional) Received: Local-Proxy arp
<i>rx-enhanced-proxy</i>	(Optional) Received: Enhanced Proxy arp
<i>rx-enhanced-proxy-anycast</i>	(Optional) Received: Anycast proxy Proxy arp
<i>rx-enhanced-proxy-l2port-track</i>	(Optional) Received: L2 Port-track Proxy arp
<i>rx-tunnel</i>	(Optional) Received: Tunneled
<i>rx-fastpath</i>	(Optional) Received: Fastpath
<i>rx-snoop</i>	(Optional) Received: Snooped
<i>rx-drop</i>	(Optional) Received: Dropped
<i>rx-srvrport</i>	(Optional) Received: on Server Port
<i>bad-if</i>	(Optional) Appeared on a wrong interface
<i>bad-len</i>	(Optional) Incorrect length
<i>invalid-opcode</i>	(Optional) Invalid OPCODE packet
<i>invalid-prot</i>	(Optional) Invalid protocol packet
<i>invalid-hrd-type</i>	(Optional) Invalid Hardware type
<i>invalid-ctxt</i>	(Optional) Invalid context
<i>ctxt-not-crtd</i>	(Optional) Context not yet created
<i>invalid-l2</i>	(Optional) Invalid layer 2 address length
<i>invalid-l3</i>	(Optional) Invalid layer 3 address length
<i>invalid-sip</i>	(Optional) Invalid source IP address

<i>our-sip</i>	(Optional) Source IP address is our own
<i>arp-if-no-mem</i>	(Optional) No mem to create per intf structure
<i>subnet-mismatch</i>	(Optional) Source address mismatch with subnet
<i>dir-bcast</i>	(Optional) Directed broadcast source
<i>invalid-dip</i>	(Optional) Invalid destination IP address
<i>non-local-dst</i>	(Optional) Non-local destination IP address
<i>non-active-fhrp</i>	(Optional) Non-active FHRP dest IP address. Learn and drop
<i>invalid-smac</i>	(Optional) Invalid source MAC address
<i>our-smac</i>	(Optional) Source MAC address is our own
<i>not-init</i>	(Optional) Received before arp initialization
<i>l2-prxy-en</i>	(Optional) L2 packet on proxy-arp-enabled interface
<i>l2-port-untrusted</i>	(Optional) L2 packet on untrusted L2 port
<i>stdby-fhrp-vip</i>	(Optional) Packet with VIP on standby FHRP
<i>grat-prxy-en</i>	(Optional) Grat arp received on proxy-arp-enabled interface
<i>arp-req-ignore</i>	(Optional) Requests came for existing entries
<i>l2-intf</i>	(Optional) Requests came on a L2 interface
<i>l2fm-query-fail</i>	(Optional) L2FM query failed for a L2 Address
<i>tunnel_fail</i>	(Optional) Dropping due to tunneling failures
<i>hsrp-active-vmac</i>	(Optional) Dropping due to HSRP standby receiving HSRP active vmac
<i>rx-intf-down</i>	(Optional) Received Interface Down
<i>recv-glean-count</i>	(Optional) Glean requests recv count
<i>refresh-req-from-clients</i>	(Optional) Refresh requests received from clients
<i>l2rib-signals</i>	(Optional) Signals received from L2rib
<i>skip-dyn-add</i>	(Optional) Skip Dynamic Adj Learning
<i>adds</i>	(Optional) Adds
<i>dels</i>	(Optional) Deletes
<i>timeouts</i>	(Optional) Timeouts
<i>del-dyn-stat-add</i>	(Optional) Delete Dynamic Adj on Static Add

Command Mode

- /exec

show ip arp suppression-cache

```
show ip arp suppression-cache { detail [ vlan <vlan_id> ] | summary | statistics | vlan <vlan_id> | local [ vlan
<vlan_id> ] | remote [ vlan <vlan_id> ] } [ __readonly__ TABLE_arp-suppression [ TABLE_entries <ip-addr>
<age> <mac> <vlan> <physical-iod> <flag> [ <remote-vtep-addr> | <remote-vtep-v6addr> ] ] [
TABLE_summary <remote-count> <local-count> <total-count> ] [ TABLE_stats TABLE_suppressed <total>
<requests> <requests-on-l2> <gratuitous> <gratuitous-on-l2> TABLE_forwarded <total-sent> <requests-sent>
<replies-sent> <requests-on-core-sent> <replies-on-core-sent> <arp-probe-flood> <dropped-sent>
<requests-on-l2-sent> <replies-on-l2-sent> <requests-on-core-l2-sent> <replies-on-core-l2-sent>
<arp-probe-flood-l2> <dropped-l2-sent> TABLE_received <total-recv> <requests-recv> <replies-recv>
<local-requests-recv> <local-replies-recv> <gratuitous-recv> <dropped-recv> <requests-on-l2-recv>
<replies-on-l2-recv> <gratuitous-l2-recv> <dropped-l2-recv> TABLE_entrystats <adds> <dels> ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
suppression-cache	arp-suppression-cache
detail	show details
summary	show summary
statistics	show statistics
local	show local entries
remote	show remote entries
vlan	(Optional) L2vlan
<i>vlan_id</i>	(Optional) Vlan
<i>__readonly__</i>	(Optional)
TABLE_arp-suppression	(Optional) IP ARP suppression-cache
TABLE_entries	(Optional) IP ARP suppression entries
<i>ip-addr</i>	(Optional) IP address
<i>age</i>	(Optional) Age
<i>mac</i>	(Optional) MAC address
<i>vlan</i>	(Optional) vlan id
<i>physical-iod</i>	(Optional) Physical iod
<i>flag</i>	(Optional) Flags

<i>remote-vtep-addr</i>	(Optional) Remote Vtep Address
TABLE_summary	(Optional) IP ARP suppression-cache Summary
<i>remote-count</i>	(Optional) Remote count
<i>local-count</i>	(Optional) Local count
<i>total-count</i>	(Optional) Total count
TABLE_stats	(Optional) Show IP ARP suppression statistics
TABLE_suppressed	(Optional) Suppressed table
<i>total</i>	(Optional) total
<i>requests</i>	(Optional) request
<i>requests-on-l2</i>	(Optional) requests-on-l2
<i>gratuitous</i>	(Optional) gratuitous
<i>gratuitous-on-l2</i>	(Optional) gratuitous-on-l2
TABLE_forwarded	(Optional) Forwarded table
<i>total-sent</i>	(Optional) total
<i>requests-sent</i>	(Optional) Requests sent on L3
<i>replies-sent</i>	(Optional) Replies sent on L3
<i>requests-on-core-sent</i>	(Optional) Request on core port
<i>replies-on-core-sent</i>	(Optional) Reply on core port
<i>arp-probe-flood</i>	(Optional) Flood ARP Probe
<i>dropped-sent</i>	(Optional) Dropped
<i>requests-on-l2-sent</i>	(Optional) Requests on L2
<i>replies-on-l2-sent</i>	(Optional) Replies on L2
<i>requests-on-core-l2-sent</i>	(Optional) Request on core port L2
<i>replies-on-core-l2-sent</i>	(Optional) Reply on core port L2
<i>arp-probe-flood-l2</i>	(Optional) Flood ARP Probe L2
<i>dropped-l2-sent</i>	(Optional) Dropped on L2
TABLE_received	(Optional) Received
<i>total-recv</i>	(Optional) Total
<i>requests-recv</i>	(Optional) Requests on L3 mode

<i>replies-recv</i>	(Optional) Replies on L3 mode
<i>local-requests-recv</i>	(Optional) Local Request
<i>local-replies-recv</i>	(Optional) Local Responses
<i>gratuitous-recv</i>	(Optional) Gratuitous on L3 mode
<i>dropped-recv</i>	(Optional) Dropped on L3 mode
<i>requests-on-l2-recv</i>	(Optional) Requests on L2 mode
<i>replies-on-l2-recv</i>	(Optional) Replies on L2 mode
<i>gratuitous-l2-recv</i>	(Optional) Gratuitous on L2 mode
<i>dropped-l2-recv</i>	(Optional) Dropped on L2 mode
TABLE_entrystats	(Optional) ARP suppression-cache Local entry statistics
<i>adds</i>	(Optional) Adds
<i>dels</i>	(Optional) Deletes

Command Mode

- /exec

show ip arp suppression topo-info

```
show ip arp suppression topo-info [ <topo-id> ] [ __readonly__ { TABLE_ip_arp_suppression_topo_info [
<ip_arp_suppression_topo_id> ] [ <ip_arp_suppression_mode> ] [ <ip_arp_suppression_hmm_mode> ] } ]
```

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
suppression	ARP-suppression based event
topo-info	E-VPN identifier
<i>topo-id</i>	(Optional) E-VPN identifier (VLAN-ID or BD-ID)
<i>__readonly__</i>	(Optional)
<i>TABLE_ip_arp_suppression_topo_info</i>	(Optional) Show suppression topo-info
<i>ip_arp_suppression_topo_id</i>	(Optional) Show ARP suppression topo_id
<i>ip_arp_suppression_mode</i>	(Optional) Show ARP suppression mode
<i>ip_arp_suppression_hmm_mode</i>	(Optional) Show ARP suppression hmm mode

Command Mode

- /exec

show ip arp tunnel-statistics

```
show ip arp tunnel-statistics [ __readonly__ { TABLE_ip_arp_tunnel_stat [ <arp-tun-pkt-rcv-cnt> ] [
<arp-tun-pkt-rcv-ing-vpc> ] [ <arp-tun-pkt-rcv-ing-gpc> ] [ <arp-tun-pkt-rcv-ing-orp-vpc> ] [
<arp-tun-pkt-rcv-ing-orp-vpc-pl> ] [ <arp-tun-pkt-snd-cnt> ] [ <arp-tun-pkt-snd-snoop-cnt> ] [
<arp-tun-pkt-snd-non-local-vip-cnt> ] [ <arp-tun-pkt-snd-peer-gate-cnt> ] [ <arp-tun-pkt-snd-ing-vpc> ] [
<arp-tun-pkt-snd-ing-gpc> ] [ <arp-tun-pkt-snd-ing-orp-vpc> ] [ <arp-tun-pkt-snd-ing-orp-vpc-pl> ] [
<arp-tun-pkt-rcv-drp-cnt> ] [ <arp-tun-pkt-snd-drp-cnt> ] [ <arp-tun-pkt-snd-drp-snd-fail-cnt> ] [
<arp-tun-pkt-rcv-drp-ver-cnt> ] [ <arp-tun-pkt-rcv-drp-pl-cnt> ] [ <arp-tun-pkt-rcv-drp-ing-non-mct> ] [
<arp-tun-pkt-rcv-drp-inv-ing-intf> ] [ <arp-tun-pkt-snd-drp-inv-ing-intf> ] [
<arp-tun-pkt-rcvdrp-inv-gpc-core-sw> ] [ <arp-tun-pkt-rcvdrp-inv-gpc-peer-sw> ] [ <arp-tun-pkt-drp-inv-mcecm>
] [ <arp-tun-pkt-im-api-fail> ] [ <arp-tun-pkt-drp-ctxt-inv> ] [ <arp-tun-pkt-drp-mct-dwn> ] [
<arp-tun-pkt-rcv-drp-mbuf-op-fail> ] [ <arp-tun-pkt-snd-drp-mbuf-op-fail> ] [ <arp-tun-pkt-snd-drp-tunnel>
] [ <arp-tun-pkt-snd-drp-ce> ] [ <arp-tun-pkt-snd-drp-inv-gpc> ] [ <arp-tun-pkt-rcv-drp-inv-gpc> ] [
<arp-tun-pkt-sys-mcecm-key-not-found> ] } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
tunnel-statistics	Display ARP statistics for tunneled packets
__readonly__	(Optional)
TABLE_ip_arp_tunnel_stat	(Optional) ARP Tunnel statistics
<i>arp-tun-pkt-rcv-cnt</i>	(Optional) Total tunneled packets received
<i>arp-tun-pkt-rcv-ing-vpc</i>	(Optional) Tunneled packets rx for ingress vPC
<i>arp-tun-pkt-rcv-ing-gpc</i>	(Optional) Tunneled packets rx for ingress GPC
<i>arp-tun-pkt-rcv-ing-orp-vpc</i>	(Optional) Tunneled Packets rx for ingress orphan vPC
<i>arp-tun-pkt-rcv-ing-orp-vpc-pl</i>	(Optional) Tunneled Packets rx for ingress orphan vPC+
<i>arp-tun-pkt-snd-cnt</i>	(Optional) Total tunneled packets sent
<i>arp-tun-pkt-snd-snoop-cnt</i>	(Optional) Tunneled packets Sent for ARP Snoop
<i>arp-tun-pkt-snd-non-local-vip-cnt</i>	(Optional) Tunneled packets sent for Non-Local VIP
<i>arp-tun-pkt-snd-peer-gate-cnt</i>	(Optional) Tunneled Packets sent for Peer Gateway
<i>arp-tun-pkt-snd-ing-vpc</i>	(Optional) Tunneled packets tx for ingress vPC
<i>arp-tun-pkt-snd-ing-gpc</i>	(Optional) Tunneled packets tx for ingress GPC
<i>arp-tun-pkt-snd-ing-orp-vpc</i>	(Optional) Tunneled Packets tx for ingress orphan vPC

<i>arp-tun-pkt-snd-ing-orp-vpc-pl</i>	(Optional) Tunneled Packets tx for ingress orphan vPC+
<i>arp-tun-pkt-rcv-drp-cnt</i>	(Optional) Total tunnel packets rcv dropped
<i>arp-tun-pkt-snd-drp-cnt</i>	(Optional) Total tunnel packets send dropped
<i>arp-tun-pkt-snd-drp-snd-fail-cnt</i>	(Optional) Drops due to send failed
<i>arp-tun-pkt-rcv-drp-ver-cnt</i>	(Optional) Received packet with invalid version
<i>arp-tun-pkt-rcv-drp-pl-cnt</i>	(Optional) Received packet with invalid payload type
<i>arp-tun-pkt-rcv-drp-ing-non-mct</i>	(Optional) Received packet on non mct interface
<i>arp-tun-pkt-rcv-drp-inv-ing-intf</i>	(Optional) Received packet with invalid ingress port
<i>arp-tun-pkt-snd-drp-inv-ing-intf</i>	(Optional) Drop send packets for invalid ingress port
<i>arp-tun-pkt-rcvdrp-inv-gpc-core-sw</i>	(Optional) Drop rcv pkt, invalid GPC of core switch
<i>arp-tun-pkt-rcvdrp-inv-gpc-peer-sw</i>	(Optional) Drop rcv pkt, invalid GPC of peer switch
<i>arp-tun-pkt-drp-inv-mcec</i>	(Optional) Failed to retrieve vPC ID while processing
<i>arp-tun-pkt-im-api-fail</i>	(Optional) IM api failed while processing
<i>arp-tun-pkt-drp-ctxt-inv</i>	(Optional) Drop tunnel packet as context is invalid
<i>arp-tun-pkt-drp-mct-dwn</i>	(Optional) Drop tunnel packet as mct is down
<i>arp-tun-pkt-rcv-drp-mbuf-op-fail</i>	(Optional) Drop rcv packets as mbuf operation failed
<i>arp-tun-pkt-snd-drp-mbuf-op-fail</i>	(Optional) Drop send packets as mbuf operation failed
<i>arp-tun-pkt-snd-drp-tunnel</i>	(Optional) Cannot tunnel a incoming tunneled packet
<i>arp-tun-pkt-snd-drp-ce</i>	(Optional) Cannot tunnel in a CE network
<i>arp-tun-pkt-snd-drp-inv-gpc</i>	(Optional) Drop send pkt, failed in retrieving the GPC
<i>arp-tun-pkt-rcv-drp-inv-gpc</i>	(Optional) Drop rcv pkt, failed in retrieving the GPC
<i>arp-tun-pkt-sys-mcecm-key-not-found</i>	(Optional) MCEC_ID to PHY_IF_INDEX not found in DB

Command Mode

- /exec

show ip arp vpc-statistics

```
show ip arp vpc-statistics [ __readonly__ { TABLE_arp_vpc_stats [ <arp-pro-drp-pull-disable> ] [
<arp-pro-drp-push-msg-disable> ] [ <arp-pro-ign-snd-pull-disable> ] [ <arp-ign-snd-push-disable> ] [
<arp-drp-im-fail> ] [ <arp-drp-mcecm-fail> ] [ <arp-drp-invalid-pc-iod> ] [ <arp-drp-pt-lookup-fail> ] [
<arp-drp-resp-fail-no-mct> ] [ <arp-drp-resp-fail> ] [ <arp-mcecm-ifidx-vpc-fail> ] [
<arp-mcecm-vpc-ifidx-fail> ] [ <arp-periodic-mcecm-ifidx-vpc-fail> ] [ <arp-resp-sent> ] [ <arp-resp-recvd>
] [ <arp-resp-recv-err> ] [ <arp-rcvd-msg> ] [ <arp-send-fail> ] [ <arp-cfs-rel-dlvry-fail> ] [
<arp-cfs-rel-dnvry-suc> ] [ <arp-pkt-vmct-drop-count> ] [ <arp-drp-pt-add-fail> ] [ <arp-drp-no-mem> ] [
<arp-drp-tmr-cre-fail> ] [ <arp-drp-add-adj-fail> ] [ <arp-off-drp-pt-lookup-fail> ] [ <arp-dont-drp-vlan-mismat>
] [ <arp-drp-svi-invalid> ] [ <arp-dont-drop-sv-down> ] [ <arp-drp-mct-down> ] [ <arp-drp-ctxt-invalid> ] [
<arp-drp-vrf-invalid> ] [ <arp-drp-l3addr-invalid> ] [ <arp-drp-l3addr-sanity-fail> ] [ <arp-drp-mac-sanity-fail>
] [ <arp-own-rtr-mac> ] [ <arp-drp-own-ipaddr> ] [ <arp-drp-own-vipaddr> ] [ <arp-drp-adj-fail> ] [
<arp-drp-subnet-mismatch> ] [ <arp-drp-adj-exist> ] [ <arp-dont-drp-ip-not-enable> ] [ <arp-drp-total-cnt>
] [ <arp-dont-drop-total-cnt> ] [ <arp-drp-inval-phy-iod> ] [ <arp-add-adj> ] [ <arp-del-adj> ] [
<arp-adj-already-exist> ] [ <arp-sync-recv-op-add-adj> ] [ <arp-sync-recv-op-del-adj> ] [
<arp-sync-push-msg-adj-cnt> ] [ <arp-sync-send-op-add-adj> ] [ <arp-sync-send-op-del-adj> ] [
<arp-sync-adj-cnt> ] [ <arp-sync-addadj-fail> ] [ <arp-sync-drp-svi-inv> ] [ <arp-sync-drp-svi-dwn> ] [
<arp-sync-drp-ctxt-inv> ] [ <arp-sync-null-adj> ] [ <arp-sync-invalid-ip> ] [ <arp-periodic-sync-adj-l2-suppl-cnt>
] [ <arp-periodic-sync-stop-bcast-pkt-sync-count> ] [ <arp-periodic-sync-vmct-stop-orphan-sync-count> ] ]
]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
vpc-statistics	Show vPC global statistics
__readonly__	(Optional)
TABLE_arp_vpc_stats	(Optional) Arp Vpc statistics
<i>arp-mcecm-ifidx-vpc-fail</i>	(Optional) Unable to retrieve VPC id from ifidx
<i>arp-mcecm-vpc-ifidx-fail</i>	(Optional) Unable to retrieve ifidx from VPC id
<i>arp-periodic-mcecm-ifidx-vpc-fail</i>	(Optional) Unable to retrieve ifidx from VPC id during periodic sync
<i>arp-sync-recv-op-add-adj</i>	(Optional) Total adjacencies recieved from peer to add
<i>arp-sync-recv-op-del-adj</i>	(Optional) Total adjacencies received from peer to delete
<i>arp-sync-push-msg-adj-cnt</i>	(Optional) Total gross adjacencies sent periodically
<i>arp-sync-send-op-add-adj</i>	(Optional) Total adjacencies sent to peer to add
<i>arp-sync-send-op-del-adj</i>	(Optional) Total adjacencies sent to peer to delete
<i>arp-sync-adj-cnt</i>	(Optional) Total periodic sync adjacencies

<i>arp-sync-addadj-fail</i>	(Optional) Failure in adding adjacencies while periodic sync send
<i>arp-sync-drp-svi-inv</i>	(Optional) Total drops during periodic sync because of invalid svi
<i>arp-sync-drp-svi-dwn</i>	(Optional) Total drops during periodic sync because of svi down
<i>arp-sync-drp-ctxt-inv</i>	(Optional) Total drops during periodic sync because of invalid context
<i>arp-sync-null-adj</i>	(Optional) Total drops while processing syne of NULL Adjacencies
<i>arp-sync-invalid-ip</i>	(Optional) Total drops while processing sync because of NULL IP
<i>arp-periodic-sync-adj-l2-supp-cnt</i>	(Optional) Total periodic sync adjacencies added for L2 suppression case
<i>arp-periodic-sync-stop-bcast-pkt-sync-count</i>	(Optional) Total Bcast packets that was stopped sync to peer
<i>arp-pro-drp-pull-disable</i>	(Optional) Drop the received CFS pull request
<i>arp-pro-drp-push-msg-disable</i>	(Optional) Drop the received CFS push message
<i>arp-pro-ign-snd-pull-disabe</i>	(Optional) Ignore to send pull request using CFSoE
<i>arp-ign-snd-push-disable</i>	(Optional) Ignore to send push message using CFSoE
<i>arp-drp-im-fail</i>	(Optional) IM api failed while processing CFS payload
<i>arp-drp-mcecm-fail</i>	(Optional) MCECM api failed while processing CFS payload
<i>arp-drp-invalid-pc-iod</i>	(Optional) Invalid MCT port-channel iod
<i>arp-drp-pt-lookup-fail</i>	(Optional) PT lookup failed while processing CFS payload
<i>arp-drp-resp-fail-no-mct</i>	(Optional) Sending CFS response failed due to invalid MCT iod
<i>arp-drp-resp-fail</i>	(Optional) Sending CFS response failed
<i>arp-resp-sent</i>	(Optional) Response sent via CFSoE
<i>arp-resp-recvd</i>	(Optional) Response received via CFSoE
<i>arp-resp-recv-err</i>	(Optional) Response received via CFSoE with errors
<i>arp-rcvd-msg</i>	(Optional) Received message via CFSoE
<i>arp-send-fail</i>	(Optional) Send message failed via CFSoE
<i>arp-cfs-rel-dlvry-fail</i>	(Optional) MCECM send api failed via CFSoE
<i>arp-cfs-rel-dmvry-suc</i>	(Optional) Send message succeeded via CFSoE
<i>arp-drp-pt-add-fail</i>	(Optional) PT add failed while processing offlist
<i>arp-drp-no-mem</i>	(Optional) Memory alloc failed while processing offlist databse
<i>arp-drp-tmr-cre-fail</i>	(Optional) Timer create failed while processing offlist database

<i>arp-drp-add-adj-fail</i>	(Optional) Adjacency addition failed while processing offlist database
<i>arp-off-drp-pt-lookup-fail</i>	(Optional) PT lookup failed while processing offlist database
<i>arp-dont-drp-vlan-mismat</i>	(Optional) VLAN mismatch while processing offlist database
<i>arp-drp-svi-invalid</i>	(Optional) SVI is invalid while processing offlist database
<i>arp-dont-drop-sv-down</i>	(Optional) SVI is down while processing offlist database
<i>arp-drp-mct-down</i>	(Optional) MCT is down while processing offlist database
<i>arp-drp-ctxt-invalid</i>	(Optional) Ctxt_type is invalid while processing offlist database
<i>arp-drp-vrf-invalid</i>	(Optional) VRF is invalid while processing offlist database
<i>arp-drp-l3addr-invalid</i>	(Optional) VRF is invalid while processing offlist database
<i>arp-drp-l3addr-sanity-fail</i>	(Optional) IP address sanity failed
<i>arp-drp-mac-sanity-fail</i>	(Optional) MAC address sanity failed
<i>arp-own-rtr-mac</i>	(Optional) Our own router mac
<i>arp-drp-own-ipaddr</i>	(Optional) Our own ip address
<i>arp-drp-own-vipadd</i>	(Optional) Our own virtual ip address
<i>arp-drp-adj-fail</i>	(Optional) Create adjacency failed
<i>arp-drp-subnet-mismatch</i>	(Optional) Subnet mismatch
<i>arp-drp-adj-exist</i>	(Optional) Entry exists
<i>arp-dont-drp-ip-not-enable</i>	(Optional) IP not enabled on interface
<i>arp-drp-inval-phy-iod</i>	(Optional) Physical interface invalid
<i>arp-drp-total-cnt</i>	(Optional) Total drop count
<i>arp-dont-drop-total-cnt</i>	(Optional) Total don't drop count
<i>arp-add-adj</i>	(Optional) Total adjacency additions
<i>arp-del-adj</i>	(Optional) Total adjacency deletions
<i>arp-adj-already-exist</i>	(Optional) Total adjacencies ignored as already exist
<i>arp-pkt-vmct-drop-count</i>	(Optional) Total virtual-mct packets dropped
<i>arp-periodic-sync-vmct-stop-orphan-sync-count</i>	(Optional) Total virtual-mct orphan hosts that was stopped syncing to peer

Command Mode

- /exec

show ip as-path-access-list

```
show ip as-path-access-list [ <aspl-name> | <aspl-cfg-name> ] [ __readonly__ TABLE_aspl <name> <seq>
<action> <rule> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
as-path-access-list	List AS path access lists
<i>aspl-name</i>	(Optional) AS path access list name
<i>aspl-cfg-name</i>	(Optional) Known as-path access-list name
<i>__readonly__</i>	(Optional)
TABLE_aspl	(Optional)
<i>name</i>	(Optional)
<i>seq</i>	(Optional)
<i>action</i>	(Optional)
<i>rule</i>	(Optional)

Command Mode

- /exec

show ip client

```
show ip client [ <client-name> ] [ __readonly__ [ TABLE_ip_clnt [ TABLE_clnt { <clnt-name> <clnt-uuid>
<clnt-pid> <clnt-ext-pid> [ <clnt-proto> ] <clnt-ind> <clnt-cntxt-id> <clnt-mts-sap> <clnt-flg>
<clnt-msg-succ-cnt> <clnt-msg-fail-cnt> [ <clnt-recv-fn-name> <clnt-recv-fn> ] } ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
client	Display clients registered with the IP process
<i>client-name</i>	(Optional) Display information for a single IP client
<i>__readonly__</i>	(Optional)
<i>TABLE_ip_clnt</i>	(Optional)
<i>TABLE_clnt</i>	(Optional)
<i>clnt-name</i>	(Optional)
<i>clnt-uuid</i>	(Optional)
<i>clnt-pid</i>	(Optional)
<i>clnt-ext-pid</i>	(Optional)
<i>clnt-proto</i>	(Optional)
<i>clnt-ind</i>	(Optional)
<i>clnt-cntxt-id</i>	(Optional)
<i>clnt-mts-sap</i>	(Optional)
<i>clnt-flg</i>	(Optional)
<i>clnt-msg-succ-cnt</i>	(Optional)
<i>clnt-msg-fail-cnt</i>	(Optional)
<i>clnt-recv-fn-name</i>	(Optional)
<i>clnt-recv-fn</i>	(Optional)

Command Mode

- /exec

show ip community-list

show ip community-list [<cl_name>] [__readonly__ TABLE_cl <name> <seq> <action> <rule>]

Syntax Description

show	Show running system information
ip	Display IP information
community-list	List community-list
<i>cl_name</i>	(Optional) Standard or expanded community-list name
<i>__readonly__</i>	(Optional)
TABLE_cl	(Optional)
<i>name</i>	(Optional)
<i>seq</i>	(Optional)
<i>action</i>	(Optional)
<i>rule</i>	(Optional)

Command Mode

- /exec

show ip dhcp global statistics

```
show ip dhcp global statistics [ __readonly__ <pkts_processed> <pkts_recvd_through_cfsoe> <pkts_fwded>
<pkts_cfsoe_fwded> <pkts_dropped> <pkts_dropped_from_untrusted_ports>
<pkts_dropped_src_mac_chk_fail> <pkts_dropped_opt82_ins_fail> <pkts_dropped_unknown_op_intf>
<pkts_dropped_unknown_pkt> <pkts_dropped_no_trust_inf> <pkts_dropped_relay_disable>
<pkts_dropped_no_binding_entry> <pkts_dropped_interface_error> <pkts_dropped_max_hops_exceeded>
<pkts_dropped_queue_full> ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
global	DHCP global stats
statistics	Statistics related to DHCP
<i>__readonly__</i>	(Optional) Read only
<i>pkts_processed</i>	(Optional) Packets processed
<i>pkts_recvd_through_cfsoe</i>	(Optional) Packets received through cfsoe
<i>pkts_fwded</i>	(Optional) Packets forwarded
<i>pkts_cfsoe_fwded</i>	(Optional) Packets forwarded on cfsoe
<i>pkts_dropped</i>	(Optional) Total packets dropped
<i>pkts_dropped_from_untrusted_ports</i>	(Optional) Packets dropped from untrusted ports
<i>pkts_dropped_src_mac_chk_fail</i>	(Optional) Packets dropped due to MAC address check failure
<i>pkts_dropped_opt82_ins_fail</i>	(Optional) Packets dropped due to Option 82 insertion failure
<i>pkts_dropped_unknown_op_intf</i>	(Optional) Packets dropped due to o/p intf unknown
<i>pkts_dropped_unknown_pkt</i>	(Optional) Packets dropped which were unknown
<i>pkts_dropped_no_trust_inf</i>	(Optional) Packets dropped due to no trusted ports
<i>pkts_dropped_relay_disable</i>	(Optional) Packets dropped due to dhcp relay not enabled
<i>pkts_dropped_no_binding_entry</i>	(Optional) Packets dropped due to no binding entry
<i>pkts_dropped_interface_error</i>	(Optional) Packets dropped due to interface error/no interface
<i>pkts_dropped_max_hops_exceeded</i>	(Optional) Packets dropped due to max hops exceeded
<i>pkts_dropped_queue_full</i>	(Optional) Packets dropped due to queue full

Command Mode

- /exec

show ip dhcp option82 suboption info interface

```
show ip dhcp option82 suboption info interface [ <intf> ] [ __readonly__ <intf_header> { TABLE_intf_option82
<intf_name> <option82_status> [ <suboption_string> ] [ <tx_count> ] } ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
option82	DHCP option82
suboption	DHCP option82 suboption
info	DHCP option82 suboption information
interface	DHCP option82 suboption information of all interfaces
<i>intf</i>	(Optional) interface
<i>__readonly__</i>	(Optional) Read only
<i>intf_header</i>	(Optional)
TABLE_intf_option82	(Optional)
<i>intf_name</i>	(Optional)
<i>option82_status</i>	(Optional)
<i>suboption_string</i>	(Optional)
<i>tx_count</i>	(Optional)

Command Mode

- /exec

show ip dhcp relay

```
show ip dhcp relay [ __readonly__ <relay_service_enable> <relay_opt82_enable> <relay_opt82_customize>
<relay_subopt_format_tlv_enable> <relay_subopt_VPN_enable> <relay_subopt_type_cisco_enable>
<global_smart-relay_enable> <global_relay_trusted_enable> <relay_trusted_port_enable>
<global_src_addr_hsrp_enable> <server_id_override> <smart_relay_intf_hdr> [ TABLE_intf
<smart_relay_enabled_intf> ] <subnet_bcast_intf_hdr> [ TABLE_intf <subnet_bcast_enabled_intf> ]
<trusted_port_intf_hdr> [ TABLE_intf <trusted_port_enabled_intf> ] <relay_src_addr_hsrp_hdr> [
TABLE_intf <src_addr_hsrp_enabled_intf> ] <relay_address_hdr> [ TABLE_intf <intf> <relay_address>
<vrf_name> ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
relay	DHCP relay
<i>__readonly__</i>	(Optional) Read only
<i>relay_service_enable</i>	(Optional)
<i>relay_opt82_enable</i>	(Optional)
<i>relay_opt82_customize</i>	(Optional)
<i>relay_subopt_format_tlv_enable</i>	(Optional)
<i>relay_subopt_VPN_enable</i>	(Optional)
<i>relay_subopt_type_cisco_enable</i>	(Optional)
<i>global_smart-relay_enable</i>	(Optional)
<i>global_relay_trusted_enable</i>	(Optional)
<i>relay_trusted_port_enable</i>	(Optional)
<i>global_src_addr_hsrp_enable</i>	(Optional) V4 Relay src-addr hsrp is globally enabled or not
<i>server_id_override</i>	(Optional)
<i>smart_relay_intf_hdr</i>	(Optional) Smart relay interfaces header
TABLE_intf	(Optional)
<i>smart_relay_enabled_intf</i>	(Optional) smart-relay enabled interfaces
<i>subnet_bcast_intf_hdr</i>	(Optional) Subnet broadcast interfaces header
TABLE_intf	(Optional)

<i>subnet_bcast_enabled_intfs</i>	(Optional) subnet_bcast enabled interfaces
<i>trusted_port_intfs_hdr</i>	(Optional) Trusted port interfaces header
TABLE_intf	(Optional)
<i>trusted_port_enabled_intfs</i>	(Optional) trusted_port enabled interfaces
<i>relay_src_addr_hsrp_hdr</i>	(Optional) Header for V4 Relay src-addr enabled interfaces
TABLE_intf	(Optional)
<i>src_addr_hsrp_enabled_intfs</i>	(Optional) source-address hsrp enabled interfaces
<i>relay_address_hdr</i>	(Optional) relay address header
TABLE_intf	(Optional) Table for list of interfaces
<i>intf</i>	(Optional) interface name
<i>relay_address</i>	(Optional) helper address
<i>vrf_name</i>	(Optional) vrf name

Command Mode

- /exec

show ip dhcp relay address

```
show ip dhcp relay address [ interface <intf-range> ] [ __readonly__ <intf_header> [ TABLE_intf <intf2>
<relay_address> <vrf_name> ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show DHCP
relay	relay address of the interface
address	DHCP relay address
interface	(Optional) DHCP relay address of the interface
<i>intf-range</i>	(Optional) interface
<i>__readonly__</i>	(Optional) Read only
<i>intf_header</i>	(Optional) interface header
TABLE_intf	(Optional)
<i>intf2</i>	(Optional) interface name
<i>relay_address</i>	(Optional) helper address
<i>vrf_name</i>	(Optional) VRF name

Command Mode

- /exec

show ip dhcp relay information trusted-sources

show ip dhcp relay information trusted-sources [__readonly__ <header> [TABLE_intf <intf>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show DHCP
relay	DHCP Relay
information	Relay information
trusted-sources	Relay Trusted Sources
__readonly__	(Optional) Read only
TABLE_intf	(Optional) trusted interface table
<i>header</i>	(Optional) interface header
<i>intf</i>	(Optional) interface name

Command Mode

- /exec

show ip dhcp relay statistics

```
show ip dhcp relay statistics [ interface <intf> | { interface <intf> serverip <ip-addr-val> [ use-vrf <vrf-name>
] } ] [ __readonly__ [ <msg_stats_hdr> <msg_type_str> <rx_pkts> <tx_pkts> <drops> <msg_type_str_offer>
<offer_rx_pkts> <offer_tx_pkts> <offer_drops> <msg_type_str_request> <request_rx_pkts> <request_tx_pkts>
<request_drops> <msg_type_str_ack> <ack_rx_pkts> <ack_tx_pkts> <ack_drops> <msg_type_str_release>
<release_rx_pkts> <release_tx_pkts> <release_drops> <msg_type_str_decline> <decline_rx_pkts>
<decline_tx_pkts> <decline_drops> <msg_type_str_inform> <inform_rx_pkts> <inform_tx_pkts>
<inform_drops> <msg_type_str_nack> <nack_rx_pkts> <nack_tx_pkts> <nack_drops> <line>
<msg_type_str_total> <total_rx_pkts> <total_tx_pkts> <total_drops> <line_x> ] [ <server_consolidated_hdr>
[ TABLE_server_info <server_helper_addr> <server_vrf> <server_total_request> <server_total_response>
] <line_y> ] [ <l3_fwd_hdr> <l3_fwd_rx_pkts> <l3_fwd_tx_pkts> <l3_fwd_drops> <non_dhcp_hdr>
<non_dhcp_rx_pkts> <non_dhcp_tx_pkts> <non_dhcp_drops> <drop_hdr> <drop_validation_fail>
<drop_relay_disable> <drop_invalid_msg_type> <drop_intf_err> <drop_tx_sock_err>
<drop_tx_fail_client_intf> <drop_unknown_op_intf> <drop_l3_unknown_op_intf> <drop_max_hops>
<drop_opt82_insert_fail> <drop_malformed> <drop_mct_drop> <drop_untrusted_relay_intf> ] [
<server_discover> <server_request> <server_decline> <server_release> <server_inform> <server_ack>
<server_nack> <server_offer> <server_resp_hdr> <drop_unknown> <server_req_hdr> ] <footer> ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
relay	DHCP Relay
statistics	Statistics related to DHCP
interface	(Optional) input interface
<i>intf</i>	(Optional) interface
serverip	(Optional) Helper address
<i>ip-addr-val</i>	(Optional) IP address
use-vrf	(Optional) helper address VRF membership
<i>vrf-name</i>	(Optional) VRF name
__readonly__	(Optional) Read only
<i>msg_stats_hdr</i>	(Optional) dhcp message statistics header
<i>msg_type_str</i>	(Optional) dhcp message type
<i>rx_pkts</i>	(Optional) received dhcp packets
<i>tx_pkts</i>	(Optional) forwarded dhcp packets
<i>drops</i>	(Optional) dhcp packet drops

<i>msg_type_str_offer</i>	(Optional) dhcp message type
<i>offer_rx_pkts</i>	(Optional) received dhcp packets
<i>offer_tx_pkts</i>	(Optional) forwarded dhcp packets
<i>offer_drops</i>	(Optional) dhcp packet drops
<i>msg_type_str_request</i>	(Optional) dhcp message type
<i>request_rx_pkts</i>	(Optional) received dhcp packets
<i>request_tx_pkts</i>	(Optional) forwarded dhcp packets
<i>request_drops</i>	(Optional) dhcp packet drops
<i>msg_type_str_ack</i>	(Optional) dhcp message type
<i>ack_rx_pkts</i>	(Optional) received dhcp packets
<i>ack_tx_pkts</i>	(Optional) forwarded dhcp packets
<i>ack_drops</i>	(Optional) dhcp packet drops
<i>msg_type_str_release</i>	(Optional) dhcp message type
<i>release_rx_pkts</i>	(Optional) received dhcp packets
<i>release_tx_pkts</i>	(Optional) forwarded dhcp packets
<i>release_drops</i>	(Optional) dhcp packet drops
<i>msg_type_str_decline</i>	(Optional) dhcp message type
<i>decline_rx_pkts</i>	(Optional) received dhcp packets
<i>decline_tx_pkts</i>	(Optional) forwarded dhcp packets
<i>decline_drops</i>	(Optional) dhcp packet drops
<i>msg_type_str_inform</i>	(Optional) dhcp message type
<i>inform_rx_pkts</i>	(Optional) received dhcp packets
<i>inform_tx_pkts</i>	(Optional) forwarded dhcp packets
<i>inform_drops</i>	(Optional) dhcp packet drops
<i>msg_type_str_nack</i>	(Optional) dhcp message type
<i>nack_rx_pkts</i>	(Optional) received dhcp packets
<i>nack_tx_pkts</i>	(Optional) forwarded dhcp packets
<i>nack_drops</i>	(Optional) dhcp packet drops
<i>line</i>	(Optional)

<i>msg_type_str_total</i>	(Optional) total dhcp packets of all message types
<i>total_rx_pkts</i>	(Optional) total forwarded dhcp packets
<i>total_tx_pkts</i>	(Optional) total forwarded dhcp packets
<i>total_drops</i>	(Optional) total dhcp drops
<i>line_x</i>	(Optional)
<i>server_consolidated_hdr</i>	(Optional) DHCP server stats
TABLE_server_info	(Optional)
<i>server_helper_addr</i>	(Optional) dhcp server address
<i>server_vrf</i>	(Optional) dhcp server vrf
<i>server_total_request</i>	(Optional) total dhcp requests to server
<i>server_total_response</i>	(Optional) total dhcp responses from server
<i>line_y</i>	(Optional)
<i>l3_fwd_hdr</i>	(Optional) DHCP l3 forward header
<i>l3_fwd_rx_pkts</i>	(Optional) DHCP l3 received packets
<i>l3_fwd_tx_pkts</i>	(Optional) DHCP l3 forwarded packets
<i>l3_fwd_drops</i>	(Optional) DHCP l3 forward drops
<i>non_dhcp_hdr</i>	(Optional) non dhcp packets header
<i>non_dhcp_rx_pkts</i>	(Optional) total non dhcp packets received
<i>non_dhcp_tx_pkts</i>	(Optional) total non dhcp packets forwarded
<i>non_dhcp_drops</i>	(Optional) total non dhcp drops
<i>drop_hdr</i>	(Optional) total dhcp drops in various scenarios
<i>drop_validation_fail</i>	(Optional) drops due to option 82 validation failed
<i>drop_relay_disable</i>	(Optional) drops due to dhcp relay not enabled
<i>drop_invalid_msg_type</i>	(Optional) drops due to invalid message type
<i>drop_intf_err</i>	(Optional) drops due to interface error
<i>drop_tx_sock_err</i>	(Optional) tx failure towards server
<i>drop_tx_fail_client_intf</i>	(Optional) drops due to Tx failure towards client
<i>drop_unknown_op_intf</i>	(Optional) Unknown output interface
<i>drop_l3_unknown_op_intf</i>	(Optional) unknown vrf interface for server

<i>drop_max_hops</i>	(Optional) drops due to max hop exceeded
<i>drop_opt82_insert_fail</i>	(Optional) Insertion of option 82 failed
<i>drop_malformed</i>	(Optional) drops due to packet malformed
<i>drop_mct_drop</i>	(Optional) drops through mct
<i>drop_untrusted_relay_intf</i>	(Optional) drops due to untrusted relay interface
<i>server_discover</i>	(Optional) DHCP discover messages relayed to server
<i>server_request</i>	(Optional) DHCP request messages relayed to server
<i>server_decline</i>	(Optional) DHCP decline messages relayed to server
<i>server_release</i>	(Optional) DHCP release messages relayed to server
<i>server_inform</i>	(Optional) DHCP inform messages relayed to server
<i>server_ack</i>	(Optional) DHCP ack messages relayed from server
<i>server_nack</i>	(Optional) DHCP nack messages relayed from server
<i>server_offer</i>	(Optional) DHCP offer messages relayed from server
<i>server_resp_hdr</i>	(Optional) DHCP server response header
<i>drop_unknown</i>	(Optional) drops due to Unknown Failure
<i>server_req_hdr</i>	(Optional) DHCP server request header
<i>footer</i>	(Optional) footer line

Command Mode

- /exec

show ip dhcp snooping

```
show ip dhcp snooping [ __readonly__ [ <snoop_service_enable> ] <snoop_gbl_enable> [ <snoop_vlan_enable>
] [ <snoop_oper_vlan_enable> ] <snoop_opt82_enable> <snoop_subopt_format_tlv_enable>
<snoop_hwaddr_verify_enable> <snoop_hdr> [ { TABLE_intf_entry <intf_entry_if_index>
<intf_entry_trust_dhcp> <intf_entry_pkt_limit> } ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
snooping	DHCP snooping
<i>__readonly__</i>	(Optional) Read only
<i>snoop_service_enable</i>	(Optional)
<i>snoop_gbl_enable</i>	(Optional)
<i>snoop_vlan_enable</i>	(Optional)
<i>snoop_oper_vlan_enable</i>	(Optional)
<i>snoop_opt82_enable</i>	(Optional)
<i>snoop_subopt_format_tlv_enable</i>	(Optional)
<i>snoop_hwaddr_verify_enable</i>	(Optional)
<i>snoop_hdr</i>	(Optional)
TABLE_intf_entry	(Optional)
<i>intf_entry_if_index</i>	(Optional)
<i>intf_entry_trust_dhcp</i>	(Optional) is DHCP snooping trusted on the interface
<i>intf_entry_pkt_limit</i>	(Optional) limit for DHCP packets per second on the interface

Command Mode

- /exec

show ip dhcp snooping binding

show ip dhcp snooping binding [<ip> | <mac> | vlan <vlan-range> |

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
snooping	DHCP snooping
binding	DHCP snooping bindings
<i>ip</i>	(Optional) Binding entry IP address
<i>mac</i>	(Optional) Binding entry MAC address
vlan	(Optional) Binding entry VLAN
<i>vlan-range</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show ip dhcp snooping statistics

```
show ip dhcp snooping statistics [ { vlan <vlan-id> interface <intf> } ]
```

Syntax Description

<i>vlan-id</i>	(Optional)]
show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
snooping	DHCP snooping
statistics	Statistics related to DHCP
vlan	(Optional) VLAN
interface	(Optional) input interface
<i>intf</i>	(Optional) interface

Command Mode

- /exec

show ip dhcp status

show ip dhcp status [*__readonly__* [*<current_cli_op>*] [*<last_cli_op>* *<last_cli_stat>*]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
status	Current CLI command and execution status of the last command
<i>__readonly__</i>	(Optional) Read only
<i>current_cli_op</i>	(Optional) current cli operation
<i>last_cli_op</i>	(Optional) last cli operation
<i>last_cli_stat</i>	(Optional) last cli status

Command Mode

- /exec

show ip dns source-interface

```
show ip dns source-interface [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ [ { TABLE_ipdnsvrf
<vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
dns	Display domain-lookup information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_ipdnsvrf	(Optional) source interface of dns given vrf
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip dns source-interface vrf all

```
show ip dns source-interface vrf all [ __readonly__ [ { TABLE_ipdns <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
dns	Display domain-lookup information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_ipdns	(Optional) source interface of dns
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip eigrp

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
TABLE_asn <asn> <router_id> TABLE_vrf <vrf> <eigrp_ptag> <instance_num> <state> <authen_md5>
<authen_keychain> <metric_weight_k1> <metric_weight_k2> <metric_weight_k3> <metric_weight_k4>
<metric_weight_k5> [ <metric_weight_k6> <metric_rib_scale> ] <metric_version> <eigrp_proto> {
<multicast_group> | <multicast_groupv6> } <int_distance> <ext_distance> <max_paths> <active_interval>
<num_interfaces> <num_lo_interfaces> <num_pass_interfaces> <num_peers> [ { TABLE_redist
<redist_srcproto> <redist_routemap> } ] <tmap_route_map> [ <tmap_filter_configured> ]
<default_info_originate> [ <default_info_route_map> <default_info_originate_always> ] <graceful_restart>
<stub_configured> [ <stub_option_connected> <stub_option_static> <stub_option_summary>
<stub_option_redist> <stub_option_leak_map> <stub_option_receive_only> ] <isolate> <nsf_converge_time>
<nsf_converge_expires> <nsf_route_hold_time> <nsf_route_hold_expires> <nsf_signal_time>
<nsf_signal_expires> <redist_max_prefix> [ <redist_max_prefix_mode> <redist_prefix_count>
<redist_prefix_max> <redist_limit_threshold> <redist_limit_retry_count> <redist_limit_retry_max>
<redist_limit_timer_left> <redist_limit_timeout> ] <bfd_enabled> <eigrp_mode> [ { TABLE_command_q
<addr> <mask> } ] <await_redist_proto_converge> <suppress_fib_pending> <nsf_in_progress> ]
```

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
<i>__readonly__</i>	(Optional)
TABLE_asn	(Optional) AS Number table
<i>asn</i>	(Optional) AS number
<i>router_id</i>	(Optional) Router-ID
TABLE_vrf	(Optional) VRF table
<i>vrf</i>	(Optional) VRF name
<i>eigrp_ptag</i>	(Optional) Process-tag for EIGRP
<i>instance_num</i>	(Optional) EIGRP Instance Number

<i>state</i>	(Optional) EIGRP Process Status
<i>authen_md5</i>	(Optional) Authentication Mode
<i>authen_keychain</i>	(Optional) Authentication Key-Chain
<i>metric_weight_k1</i>	(Optional) DUAL metric k1
<i>metric_weight_k2</i>	(Optional) DUAL metric k2
<i>metric_weight_k3</i>	(Optional) DUAL metric k3
<i>metric_weight_k4</i>	(Optional) DUAL metric k4
<i>metric_weight_k5</i>	(Optional) DUAL metric k5
<i>metric_weight_k6</i>	(Optional) DUAL metric k6
<i>metric_rib_scale</i>	(Optional) RIB Scale
<i>metric_version</i>	(Optional) Metric version
<i>eigrp_proto</i>	(Optional) IP Protocol number
<i>multicast_group</i>	(Optional) Multicast Group Address
<i>int_distance</i>	(Optional) Internal Administrative Distance
<i>ext_distance</i>	(Optional) External Administrative Distance
<i>max_paths</i>	(Optional) Maximum paths allowed for a dndb
<i>active_interval</i>	(Optional) Active Interval in minutes
<i>num_interfaces</i>	(Optional) Number of EIGRP interfaces configured under this AS
<i>num_lo_interfaces</i>	(Optional) Number of EIGRP loopback interfaces configured under this AS
<i>num_pass_interfaces</i>	(Optional) Number of EIGRP Passive interfaces configured under this AS
<i>num_peers</i>	(Optional) Number of EIGRP peers
TABLE_redist	(Optional) Redistribution Table
<i>redist_srcproto</i>	(Optional) Source protocol of the redistributed route
<i>redist_routemap</i>	(Optional) Route-map used in this redistribution
<i>tmap_route_map</i>	(Optional) Tablemap Policy name
<i>tmap_filter_configured</i>	(Optional) Tablemap filter configured?
<i>default_info_originate</i>	(Optional) Default-info Policy Originate?

<i>default_info_route_map</i>	(Optional) Default-info Policy name
<i>default_info_originate_always</i>	(Optional) Default-info Originate always?
<i>graceful_restart</i>	(Optional) Graceful restart configured?
<i>stub_configured</i>	(Optional) Stub-Routing configured?
<i>stub_option_connected</i>	(Optional) Advertise connected routes?
<i>stub_option_static</i>	(Optional) Advertise static routes?
<i>stub_option_summary</i>	(Optional) Advertise summary routes?
<i>stub_option_redist</i>	(Optional) Advertise redistributed routes?
<i>stub_option_leak_map</i>	(Optional) Allow routes permitted by leak-map?
<i>stub_option_receive_only</i>	(Optional) Configured as receive only?
<i>isolate</i>	(Optional) Isolate is enabled
<i>nsf_converge_time</i>	(Optional) NSF converge time limit
<i>nsf_converge_expires</i>	(Optional) NSF converge time expires
<i>nsf_route_hold_time</i>	(Optional) NSF route-hold time limit
<i>nsf_route_hold_expires</i>	(Optional) NSF route-hold time expires
<i>nsf_signal_time</i>	(Optional) NSF signal time limit
<i>nsf_signal_expires</i>	(Optional) NSF signal time expires
<i>redist_max_prefix</i>	(Optional) Redistributed max-prefix enabled?
<i>redist_max_prefix_mode</i>	(Optional) Redistributed max-prefix mode
<i>redist_prefix_count</i>	(Optional) Redistributed prefix count
<i>redist_prefix_max</i>	(Optional) Redistributed prefix max
<i>redist_limit_threshold</i>	(Optional) Redistributed max-prefix warning threshold
<i>redist_limit_retry_count</i>	(Optional) Redistributed max-prefix retries attempted
<i>redist_limit_retry_max</i>	(Optional) Redistributed max-prefix retries allowed
<i>redist_limit_timer_left</i>	(Optional) Redistributed max-prefix timer left
<i>redist_limit_timeout</i>	(Optional) Redistributed max-prefix timeout
<i>bfd_enabled</i>	(Optional) Is BFD enabled?
<i>eigrp_mmode</i>	(Optional) EIGRP MMODE initialized?
TABLE_command_q	(Optional) Network commands table

<i>addr</i>	(Optional) IP address
<i>mask</i>	(Optional) Mask length
<i>await_redist_proto_converge</i>	(Optional) Await-Redist-proto-convergence configured?
<i>suppress_fib_pending</i>	(Optional) Suppress-FIB-Pending configured?
<i>nsf_in_progress</i>	(Optional) NSF in progress?

Command Mode

- /exec

show ip eigrp accounting

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] accounting [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
  __readonly__ TABLE_asn <asn> <router_id> TABLE_vrf <vrf> <total_prefix> <redist_state> <redist_count>
  <restart_count> <acct_timer> [ TABLE_peer { <p_ipaddr> | <p_ipv6addr> } <p_state> <p_ifname>
  <p_prefix_count> <p_restart_count> <p_acct_timer> ] ]
```

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
accounting	IP-EIGRP Accounting
<i>__readonly__</i>	(Optional)
TABLE_asn	(Optional) AS number table
<i>asn</i>	(Optional) AS number
<i>router_id</i>	(Optional) Router-ID
TABLE_vrf	(Optional) VRF table
<i>vrf</i>	(Optional) VRF name
<i>total_prefix</i>	(Optional) Total prefix count (Aggregate)
<i>redist_state</i>	(Optional) State of redistributed prefixes
<i>redist_count</i>	(Optional) Number of redistributed prefixes
<i>restart_count</i>	(Optional) Number of times the prefix was suspended
<i>acct_timer</i>	(Optional) Accounting timer
TABLE_peer	(Optional) Peer (Prefix) table
<i>p_ipaddr</i>	(Optional) Peer IP addr

<i>p_state</i>	(Optional) Peer state
<i>p_ifname</i>	(Optional) Peering interface
<i>p_prefix_count</i>	(Optional) Number of Prefixes learnt from the peer
<i>p_restart_count</i>	(Optional) Number of times the prefix was suspended
<i>p_acct_timer</i>	(Optional) Peer accounting timer

Command Mode

- /exec

show ip eigrp interfaces

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] interfaces [ detail ] [ <interface> ] [ brief ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ TABLE_asn <asn> TABLE_vrf <vrf> [ TABLE_if <ifname>
<peer_count> <xmitq_unrel> <xmitq_rel> <mean_srtt> <send_intvl_unrel> <send_intvl_rel>
<mcast_flow_delay> <pending_routes> [ <hello_intvl> <holdtime_intvl> <next_xmit_serno>
<packetize_pending> <mcasts_sent_unrel> <mcasts_sent_rel> <ucasts_sent_unrel> <ucasts_sent_rel>
<mcast_exceptions> <cr_packets> <acks_suppressed> <retrans_sent> <out_of_seq_rcvd> <stub_interface>
<nexthop_self> <auth_mode_md5> <auth_key_chain> <use_multicast> <classic_metric_peers>
<wide_metric_peers> <bfd_enabled> ] ] ]
```

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
interfaces	IP-EIGRP interfaces
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>interface</i>	(Optional) Interface
brief	(Optional) Show summary information only
__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_if	(Optional) Interface table
<i>ifname</i>	(Optional) Interface name
<i>peer_count</i>	(Optional) Number of Peer on this interface

<i>xmitq_unrel</i>	(Optional) Xmit Q (unreliable) count
<i>xmitq_rel</i>	(Optional) Xmit Q (reliable) count
<i>mean_srtt</i>	(Optional) Mean of all peer SRTTs
<i>send_intvl_unrel</i>	(Optional) Base packet gap, per queue (unreliable)
<i>send_intvl_rel</i>	(Optional) Base packet gap, per queue (reliable)
<i>mcast_flow_delay</i>	(Optional) Last delay for Multicast flow control timer
<i>pending_routes</i>	(Optional) Pending routes on the interface
<i>hello_intvl</i>	(Optional) Configured hello interval for interface
<i>holdtime_intvl</i>	(Optional) Configured holdtime interval for interface
<i>next_xmit_serno</i>	(Optional) Next xmit serial number
<i>packetize_pending</i>	(Optional) Packetization pending?
<i>mcasts_sent_unrel</i>	(Optional) Number of Multicasts sent (unreliable)
<i>mcasts_sent_rel</i>	(Optional) Number of Multicasts sent (reliable)
<i>ucasts_sent_unrel</i>	(Optional) Number of Unicasts sent (unreliable)
<i>ucasts_sent_rel</i>	(Optional) Number of Unicasts sent (reliable)
<i>mcast_exceptions</i>	(Optional) Multicast exceptions (Count of multicasts sent as unicasts)
<i>cr_packets</i>	(Optional) Count of Multicasts sent with CR
<i>acks_suppressed</i>	(Optional) Count of suppressed ACK packets
<i>retrans_sent</i>	(Optional) Count of Retransmissions sent
<i>out_of_seq_rcvd</i>	(Optional) Count of packets received Out-of-Sequence
<i>stub_interface</i>	(Optional) All Peers are stubbed?
<i>nexthop_self</i>	(Optional) should retain next-hop?
<i>auth_mode_md5</i>	(Optional) MD5 Authentication enabled?
<i>auth_key_chain</i>	(Optional) Authentication key-chain
<i>use_multicast</i>	(Optional) Use Multicast?
<i>classic_metric_peers</i>	(Optional) Classical metric peers
<i>wide_metric_peers</i>	(Optional) Wide metric peers
<i>bfd_enabled</i>	(Optional) BFD enabled

Command Mode

- /exec

show ip eigrp traffic

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] traffic [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
TABLE_asn <asn> TABLE_vrf <vrf> <hellos_sent> <hellos_rcvd> <updates_sent> <updates_rcvd>
<queries_sent> <queries_rcvd> <replies_sent> <replies_rcvd> <acks_sent> <acks_rcvd> <max_inqueue_depth>
<inqueue_drops> <sia_queries_sent> <sia_queries_rcvd> <sia_replies_sent> <sia_replies_rcvd> ]
```

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
traffic	IP-EIGRP Traffic Statistics
<u>__readonly__</u>	(Optional)
TABLE_asn	(Optional) AS number table
<i>asn</i>	(Optional) AS number
TABLE_vrf	(Optional) VRF table
<i>vrf</i>	(Optional) VRF name
<i>hellos_sent</i>	(Optional) Number of Hellos sent
<i>hellos_rcvd</i>	(Optional) Number of Hellos received
<i>updates_sent</i>	(Optional) Number of Updates sent
<i>updates_rcvd</i>	(Optional) Number of Updates received
<i>queries_sent</i>	(Optional) Number of Queries sent
<i>queries_rcvd</i>	(Optional) Number of Queries received
<i>replies_sent</i>	(Optional) Number of Replies sent
<i>replies_rcvd</i>	(Optional) Number of Replies received

<i>acks_sent</i>	(Optional) Number of ACKs sent
<i>acks_rcvd</i>	(Optional) Number of ACKs received
<i>max_inqueue_depth</i>	(Optional) Input queue high water mark
<i>inqueue_drops</i>	(Optional) Input queue drops
<i>sia_queries_sent</i>	(Optional) Number of SIA queries sent
<i>sia_queries_rcvd</i>	(Optional) Number of SIA queries received
<i>sia_replies_sent</i>	(Optional) Number of SIA replies sent
<i>sia_replies_rcvd</i>	(Optional) Number of SIA replies received

Command Mode

- /exec

show ip extcommunity-list

```
show ip extcommunity-list [ <extcl_name> ] [ __readonly__ TABLE_extcl <name> <action> <rule> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
extcommunity-list	List extcommunity-list
<i>extcl_name</i>	(Optional) Standard or expanded community-list name
<i>__readonly__</i>	(Optional)
<i>TABLE_extcl</i>	(Optional)
<i>name</i>	(Optional)
<i>action</i>	(Optional)
<i>rule</i>	(Optional)

Command Mode

- /exec

show ip fib distribution

show ip fib distribution [pauz | rezum]

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution information
pauz	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rezum	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip fib distribution clients

show ip fib distribution clients [__readonly__ <id><pid><name><shms><shme><shmn>]

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution info
clients	unicast client information
__readonly__	(Optional)

Command Mode

- /exec

show ip fib distribution mroute

```
show ip fib distribution mroute [ { <group> | <gprefix> } [ <source> ] ] [ table <id> ] [ __readonly__
TABLE_vrf [ <vrf-name> ] [ <table-name> ] [ <table-id> ] [ <table-wildcard> ] [ <total-num-groups> ] [
TABLE_route_summary [ <vrf-name> ] [ <total-num-routes> ] [ <num-star-g-route> ] [ <num-sg-route> ] [
<num-star-g-prfx> ] [ <num-group-count> ] ] [ TABLE_one_route [ <source-addr> ] [ <source-len> ] [
<group-addr> ] [ <group-len> ] [ <df-ordinal> ] [ <rpf-intf> ] [ <flags> ] [ <stats-pkts> ] [ <stats-bytes> ] [
<oif-count> ] [ <oiflist-index> ] [ TABLE_oif [ <oif-name> ] [ <mti-src-intf> ] [ <mti-grp-ip> ] [ <mti-src-ip>
] [ <next-hop> ] ] ] ]
```

Syntax Description

show	
ip	IP information
fib	Forwarding Information
distribution	FIB distribution information
mroute	MFDM IP multicast routing table
<i>group</i>	(Optional) IPv4 Multicast Group Address
<i>gprefix</i>	(Optional) IPv4 Multicast Group Prefix
<i>source</i>	(Optional) IPv4 Source Address
table	(Optional) Specify Multicast Routing Table
<i>id</i>	(Optional) Multicast Routing Table Identifier
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>table-name</i>	(Optional)
<i>table-id</i>	(Optional)
<i>table-wildcard</i>	(Optional)
<i>total-num-groups</i>	(Optional)
TABLE_route_summary	(Optional)
<i>total-num-routes</i>	(Optional)
<i>num-star-g-route</i>	(Optional)
<i>num-sg-route</i>	(Optional)
<i>num-star-g-prfx</i>	(Optional)

<i>num-group-count</i>	(Optional)
TABLE_one_route	(Optional)
<i>source-addr</i>	(Optional)
<i>source-len</i>	(Optional)
<i>group-addr</i>	(Optional)
<i>group-len</i>	(Optional)
<i>df-ordinal</i>	(Optional)
<i>rpf-intf</i>	(Optional)
<i>flags</i>	(Optional)
<i>stats-pkts</i>	(Optional)
<i>stats-bytes</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>oiflist-index</i>	(Optional)
TABLE_oif	(Optional)
<i>oif-name</i>	(Optional)
<i>mti-src-intf</i>	(Optional)
<i>mti-grp-ip</i>	(Optional)
<i>mti-src-ip</i>	(Optional)
<i>next-hop</i>	(Optional)

Command Mode

- /exec

show ip fib distribution multicast

```
show ip fib distribution multicast [ messages ] [ __readonly__ <fibstate> <slot> <accepting_routes>
<num_accepting_routes> ]
```

Syntax Description

show	
ip	IP information
fib	Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
messages	(Optional) Outstanding Message Information
<i>__readonly__</i>	(Optional)
<i>fibstate</i>	(Optional) IP Multicast FIB process state
<i>slot</i>	(Optional) Slot
<i>accepting_routes</i>	(Optional) Indicates whether FIB is accepting routes
<i>num_accepting_routes</i>	(Optional) Number of fibs accepting routes

Command Mode

- /exec

show ip fib distribution state

```
show ip fib distribution state [ __readonly__ <slot> <state><tc><tpre><tv4ac><tv6ac> { TABLE_fib_state
<tid><tafi><prc><pc><tname> } ]
```

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution info
state	unicast fib state info
<i>__readonly__</i>	(Optional)
<i>slot</i>	(Optional) slot number
TABLE_fib_state	(Optional) fib-state table

Command Mode

- /exec

show ip fib mroute

```
show ip fib mroute [ { <group> | <gprefix> } [ <source> ] ] [ table <table-id> ] [ module <module> ] [
__readonly__ <table_type> <num_groups> <num_sources> <src_len> <grp_len> <df_ordinal> <rpfif>
<rpf_ifindex> <flag> <flag_value> <route_pkts> <route_bytes> <oiflist_id> <platform_id> <oif_count>
<refcount> <oifname> <oifindex> <oif_pkts> <oif_bytes> ]
```

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
mroute	Multicast IPv4 routes
<i>group</i>	(Optional) Multicast IPv4 Group Address
<i>gprefix</i>	(Optional) Multicast IPv4 Group Prefix
<i>source</i>	(Optional) Multicast IPv4 Source Address
table	(Optional) display info per vpn-id
<i>table-id</i>	(Optional) table-id
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>__readonly__</i>	(Optional)
<i>table_type</i>	(Optional) Table Type
<i>num_groups</i>	(Optional) Number of group entries in the table
<i>num_sources</i>	(Optional) Number of (S, G) entries for the group address
<i>src_len</i>	(Optional) Source Address Mask
<i>grp_len</i>	(Optional) Group address Mask
<i>df_ordinal</i>	(Optional) DF ordinal
<i>rpfif</i>	(Optional) RPF interface
<i>rpf_ifindex</i>	(Optional) RPF Interface ifIndex
<i>flag</i>	(Optional) Route type flag
<i>flag_value</i>	(Optional) hex value of route flag
<i>route_pkts</i>	(Optional) Route packet count

<i>route_bytes</i>	(Optional) Route bytes
<i>oiflist_id</i>	(Optional) OIF list Identifier
<i>platform_id</i>	(Optional) Platform-index
<i>oif_count</i>	(Optional) Number of OIFs
<i>refcount</i>	(Optional) OIF list Reference Count
<i>oifname</i>	(Optional) OIF Interface name
<i>oifindex</i>	(Optional) OIF Interface ifIndex
<i>oif_pkts</i>	(Optional) OIF packets
<i>oif_bytes</i>	(Optional) OIF bytes

Command Mode

- /exec

show ip fib route

```
show ip fib route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> ] [ summary | <prefix>
[ longer-prefixes ] | <address> | interface <interface> | next-hop <nh> | attached | unresolved | adjacency {
<aif> <anh> | drop | glean | punt } ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all>
} ] + [ __readonly__ <header> <vrfname> <tableid> <prefix-count> <pfx> { <nexthop> | <special> } <intf>
<route-count> <path-count> <mask-length> <routes-per-mask> ]
```

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
route	display IP routing table
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
summary	(Optional) display route counts
<i>prefix</i>	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
<i>address</i>	(Optional) display single longest match route
interface	(Optional) display routes with this output i/f only
<i>interface</i>	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only
<i>nh</i>	(Optional) next hop address
attached	(Optional) display directly connected routes
unresolved	(Optional) display unresolved routes
adjacency	(Optional) display adjacency information
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next-hop address

<i>drop</i>	(Optional) display routes via drop adjacency
<i>glean</i>	(Optional) display routes via glean adjacency
<i>punt</i>	(Optional) display routes via punt adjacency
<i>module</i>	(Optional) slot
<i>module</i>	(Optional) slot number
<i>__readonly__</i>	(Optional)
<i>header</i>	(Optional) header string
<i>vrfname</i>	(Optional) VRF name
<i>tableid</i>	(Optional) table identifier
<i>prefix-count</i>	(Optional) total number of prefix in VRF
<i>px</i>	(Optional) ipv4 prefix
<i>nexthop</i>	(Optional) next hop address
<i>special</i>	(Optional) special adjacencies
<i>intf</i>	(Optional) output interface
<i>route-count</i>	(Optional) total number of routes in VRF
<i>path-count</i>	(Optional) total number of paths in VRF
<i>mask-length</i>	(Optional) length of mask
<i>routes-per-mask</i>	(Optional)

Command Mode

- /exec

show ip ftp source-interface

```
show ip ftp source-interface [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ [ { TABLE_ipftpvrft
<vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ftp	Display FTP client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_ipftpvrft	(Optional) source interface of ftp given vrf
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip ftp source-interface vrf all

```
show ip ftp source-interface vrf all [ __readonly__ [ { TABLE_ipftp <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ftp	Display FTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_ipftp	(Optional) source interface of ftp
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip http source-interface

```
show ip http source-interface [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ [ { TABLE_iphttpvrf
<vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
http	Display HTTP client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_iphttpvrf	(Optional) source interface of http given vrf
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip http source-interface vrf all

```
show ip http source-interface vrf all [ __readonly__ [ { TABLE_iphttp <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
http	Display HTTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_iphttp	(Optional) source interface of http
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip igmp groups

```
show ip igmp { groups | route } [ <source> [ <group> ] | <group> [ <source> ] ] [ <interface> ] [ summary ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ summary-old ] [ serialize ] [ __readonly__ ] [ TABLE_vrf ]
[ <if-name> ] [ <vrfname> ] [ <entry-count> ] [ <group-addr> ] [ <sourceaddress> ] [ TABLE_group ]
[ <group-addr> ] [ <group-type> ] [ <if-name> ] [ <uptime> ] [ <expires> ] [ <reporter> ] [ TABLE_source ]
[ <source-addr> ] [ <group-type> ] [ <translate> ] [ <if-name> ] [ <uptime> ] [ <expires> ] [ <reporter> ] ] ] [
<vrf-cntxt> ] [ <g-count> ] [ <sg-count> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
groups	Display IGMP attached group membership information
route	Display IGMP attached group membership information
<i>group</i>	(Optional) Multicast IP address of single group to display
<i>source</i>	(Optional) Source IP address
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>interface</i>	(Optional) Display group membership on single interface name
summary	(Optional) Display group summary
summary-old	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrfname</i>	(Optional)
<i>if-name</i>	(Optional)
<i>group-addr</i>	(Optional)
<i>entry-count</i>	(Optional)
<i>sourceaddress</i>	(Optional)

TABLE_group	(Optional)
<i>group-addr</i>	(Optional)
<i>group-type</i>	(Optional)
<i>if-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>reporter</i>	(Optional)
TABLE_source	(Optional)
<i>source-addr</i>	(Optional)
<i>group-type</i>	(Optional)
<i>translate</i>	(Optional)
<i>if-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>reporter</i>	(Optional)
<i>vrf-cntxt</i>	(Optional)
<i>g-count</i>	(Optional)
<i>sg-count</i>	(Optional)

Command Mode

- /exec

show ip igmp interface

```
show ip igmp interface [ <interface> ] [ brief ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
serialize ] [ __readonly__ TABLE_vrf <vrf> [ <entry-count> ] [ [ TABLE_brief [ <if-name> ] [ <addr> ] [
<querier> ] [ <mc> ] [ <ver> ] ] ] [ TABLE_if <if-name> [ <if-status> ] [ <ip-sum> ] [ <addr> ] [ <querier> ]
[ <q-ver> ] [ <next-query> ] [ <expires> ] [ <mc> ] [ <ver> ] [ <host-ver> ] [ <qi> ] [ <cqi> ] [ <mrt> ] [
<cmrt> ] [ <sqi> ] [ <csqi> ] [ <sqc> ] [ <lmmrt> ] [ <lmqc> ] [ <gt> ] [ <cgt> ] [ <qt> ] [ <cqt> ] [ <uri> ] [
<rv> ] [ <crv> ] [ <rl> ] [ <rc> ] [ <il> ] [ <report-policy> ] [ <join-group-map> ] [ <static-group-map> ] [
<host-proxy> ] [ <host-sg-proxy> ] [ <host-proxy-group-map> ] [ <un-solicited> ] [ <unsoint> ] [ <v1rr> ] [
<v2qs> ] [ <v2qr> ] [ <v2rs> ] [ <v2rr> ] [ <v2ls> ] [ <v2lr> ] [ <v3qs> ] [ <v3qr> ] [ <v3rs> ] [ <v3rr> ] [
<v2gqdest> ] [ <v3gqdest> ] [ <cse> ] [ <ple> ] [ <lsip> ] [ <scf> ] [ <qnq> ] [ <rvm> ] [ <qvm> ] [ <uit> ]
[ <v1gdam> ] [ <v2gdam> ] [ <v3dai> ] [ <ra> ] ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
interface	Display IGMP interface related information
<i>interface</i>	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per interface
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
detail	(Optional) Display detailed information
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
<i>TABLE_vrf</i>	(Optional)
<i>vrf</i>	(Optional)
<i>entry-count</i>	(Optional)
<i>TABLE_brief</i>	(Optional)
<i>if-name</i>	(Optional)
<i>addr</i>	(Optional)
<i>querier</i>	(Optional)

<i>mc</i>	(Optional)
<i>ver</i>	(Optional)
TABLE_if	(Optional)
<i>if-name</i>	(Optional)
<i>if-status</i>	(Optional)
<i>ip-sum</i>	(Optional)
<i>addr</i>	(Optional)
<i>querier</i>	(Optional)
<i>q-ver</i>	(Optional)
<i>next-query</i>	(Optional)
<i>expires</i>	(Optional)
<i>mc</i>	(Optional)
<i>ver</i>	(Optional)
<i>host-ver</i>	(Optional)
<i>qi</i>	(Optional)
<i>cqi</i>	(Optional)
<i>mrt</i>	(Optional)
<i>cmrt</i>	(Optional)
<i>sqi</i>	(Optional)
<i>csqi</i>	(Optional)
<i>sqc</i>	(Optional)
<i>lmmrt</i>	(Optional)
<i>lmqc</i>	(Optional)
<i>gt</i>	(Optional)
<i>cgt</i>	(Optional)
<i>qt</i>	(Optional)
<i>cqt</i>	(Optional)
<i>uri</i>	(Optional)
<i>rv</i>	(Optional)

<i>crv</i>	(Optional)
<i>rll</i>	(Optional)
<i>rc</i>	(Optional)
<i>v1rr</i>	(Optional)
<i>v2qs</i>	(Optional)
<i>v2qr</i>	(Optional)
<i>v2rs</i>	(Optional)
<i>v2rr</i>	(Optional)
<i>v2ls</i>	(Optional)
<i>v2lr</i>	(Optional)
<i>v3qs</i>	(Optional)
<i>v3qr</i>	(Optional)
<i>v3rs</i>	(Optional)
<i>v3rr</i>	(Optional)
<i>v2ggdest</i>	(Optional)
<i>v3ggdest</i>	(Optional)
<i>cse</i>	(Optional)
<i>ple</i>	(Optional)
<i>lsip</i>	(Optional)
<i>scf</i>	(Optional)
<i>qnq</i>	(Optional)
<i>rvm</i>	(Optional)
<i>qvm</i>	(Optional)
<i>uit</i>	(Optional)
<i>v1gdam</i>	(Optional)
<i>v2gdam</i>	(Optional)
<i>v3dai</i>	(Optional)
<i>ra</i>	(Optional)
<i>static-group-map</i>	(Optional)

<i>join-group-map</i>	(Optional)
<i>host-proxy-group-map</i>	(Optional)
<i>il</i>	(Optional)
<i>report-policy</i>	(Optional)
<i>host-proxy</i>	(Optional)
<i>host-sg-proxy</i>	(Optional)
<i>un-solicited</i>	(Optional)
<i>unsoint</i>	(Optional)

Command Mode

- /exec

show ip igmp local-groups

```
show ip igmp local-groups [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [
TABLE_vrf [ <vrf-name> ] [ TABLE_if [ <if-name> ] [ TABLE_grp [ <group-addr> ] [ TABLE_src [
<source-addr> ] [ <last-reported> ] [ <local-group> ] [ <static-oif> ] [ <report-only> ] [ <host-proxy> ] ] ] ]
] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
local-groups	Display IGMP local group membership information
<i>interface</i>	(Optional) Display group membership on single interface name
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
TABLE_if	(Optional)
<i>if-name</i>	(Optional)
TABLE_grp	(Optional)
<i>group-addr</i>	(Optional)
TABLE_src	(Optional)
<i>source-addr</i>	(Optional)
<i>last-reported</i>	(Optional)
<i>local-group</i>	(Optional)
<i>static-oif</i>	(Optional)
<i>report-only</i>	(Optional)
<i>host-proxy</i>	(Optional)

Command Mode

- /exec

show ip igmp policy statistics reports

```
show ip igmp policy statistics reports [ <interface> ] [ __readonly__ [ TABLE_interface [ <if> ] [
TABLE_routemap [ <name> ] [ <action> ] [ <seq_num> ] [ TABLE_cmd [ <command> ] [ <compare_count>
] [ <match_count> ] ] ] [ <total_accept_count> ] [ <total_reject_count> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Show IGMP related information
policy	Policy related information
statistics	Policy statistics
reports	IGMP reports
<i>interface</i>	(Optional) Interface to display statistics for
<i>__readonly__</i>	(Optional)
<i>TABLE_interface</i>	(Optional)
<i>if</i>	(Optional)
<i>TABLE_routemap</i>	(Optional)
<i>name</i>	(Optional)
<i>action</i>	(Optional)
<i>seq_num</i>	(Optional)
<i>TABLE_cmd</i>	(Optional)
<i>command</i>	(Optional)
<i>compare_count</i>	(Optional)
<i>match_count</i>	(Optional)
<i>total_accept_count</i>	(Optional)
<i>total_reject_count</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping

```
show ip igmp snooping [ { vlan <vlan> | bridge-domain <bdid> } ] [ serialize ] [ __readonly__ [ <vdc> ] [
<enabled> ] [ <omf> ] [ <grepsup> ] [ <gv3repsup> ] [ <glinklocalgrpsup> ] { TABLE_vlan <vlan-id> [
<description> ] [ <snoop-on> ] [ <qa> ] [ <qv> ] [ <qv> ] [ <qv> ] [ <qlmqi> ] [ <rv> ] [ <sq> ] [ <sqr> ] [ <eht> ] [
<fl> ] [ <repsup> ] [ <v3repsup> ] [ <vlinklocalgrpsup> ] [ <rpc> ] [ <gc> ] [ TABLE_active_ports [ <actvports>
] ] [ <lkupmode> ] [ <omf_enabled> ] [ <reportfloodenable> ] [ <reportfloodall> ] [ TABLE_intf <if-name>
] [ <leavegroupaddress> ] } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
vlan	(Optional) Display VLAN IGMP snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping membership information
<i>bdid</i>	(Optional) Specify BD
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
<i>vdc</i>	(Optional)
<i>enabled</i>	(Optional)
<i>omf</i>	(Optional)
<i>grepsup</i>	(Optional)
<i>gv3repsup</i>	(Optional)
<i>glinklocalgrpsup</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>description</i>	(Optional) description, if any
<i>snoop-on</i>	(Optional)
<i>qa</i>	(Optional)
<i>qv</i>	(Optional)

<i>qi</i>	(Optional)
<i>qlmqi</i>	(Optional)
<i>rv</i>	(Optional)
<i>sq</i>	(Optional)
<i>sqr</i>	(Optional)
<i>eht</i>	(Optional)
<i>fl</i>	(Optional)
<i>repsup</i>	(Optional)
<i>v3repsup</i>	(Optional)
<i>vlinklocalgrpsup</i>	(Optional)
<i>rpc</i>	(Optional)
<i>gc</i>	(Optional)
TABLE_active_ports	(Optional)
<i>actvports</i>	(Optional)
<i>lkupmode</i>	(Optional)
<i>omf_enabled</i>	(Optional)
<i>reportfloodenable</i>	(Optional)
<i>reportfloodall</i>	(Optional)
TABLE_intf	(Optional)
<i>if-name</i>	(Optional)
<i>leavegroupaddress</i>	(Optional)

Command Mode

- /exec

<i>expires</i>	(Optional)
<i>version</i>	(Optional)
<i>num_of_reports</i>	(Optional)
<i>cfs-flag</i>	(Optional)
<i>native-flag</i>	(Optional)
<i>delete-pending</i>	(Optional)
<i>cfs-update-pending</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping filter details

```
show ip igmp snooping filter [ vlan <vlan_id> ] details [ __readonly__ { TABLE_vlanid <vlan-id>
<access-group> <group-channels-limit> <igmp-min-ver> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
filter	Shows filter policy configuration
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID
details	Shows different Filter configurations
<i>__readonly__</i>	(Optional)
TABLE_vlanid	(Optional)
<i>vlan-id</i>	(Optional)
<i>access-group</i>	(Optional)
<i>group-channels-limit</i>	(Optional)
<i>igmp-min-ver</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping groups

```
show ip igmp snooping [ otv | remote ] groups [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ vlan
<vlan> | bridge-domain <bdid> ] [ detail ] [ summary ] [ serialize ] [ __readonly__ [ TABLE_vlan [ <vlan-id>
] [ <rports> ] [ <rtrPortFlag> ] [ TABLE_port <if-name> ] [ TABLE_rtrports <rport-if-name> ] [ <raddr> ]
[ TABLE_source <source> ] [ TABLE_group <addr> [ <g-mfdm> ] [ <ver> ] [ <old-host> ] [ <raddr> ] [
<static> ] [ <dynamic> ] [ TABLE_static_ports <static-if-name> ] [ TABLE_v2_ports <v2-if-name> [ <uptime>
] [ <expires> ] [ <gq-missed> ] ] [ TABLE_star_g_ports <star-g-if-name> [ <uptime> ] [ <expires> ] ] [
<g-vpc> ] [ <rsf> ] [ <js> ] [ TABLE_source <source> [ <srsf> ] [ <s-mfdm> ] [ <src-static> ] [ <src-dynamic>
] [ TABLE_src_static_ports <src-static-if-name> ] [ TABLE_src_dynamic [ <oifs> ] <dyn-if-name> [
<src-uptime> ] [ <src-expires> ] ] [ <s-vpc> ] ] ] [ <snoop-enabled> ] [ <omf-enabled> ] [ <group-count> ] [
<s-g-count> ] [ <total_star_g_count> ] [ <total_sg_count> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
otv	(Optional) IGMP Snooping OTV information
remote	(Optional) IGMP Snooping remote information
groups	Display snooping information for group address
summary	(Optional) Display snooping group summary
<i>group</i>	(Optional) Multicast IP address of single group to display
<i>source</i>	(Optional) Source IP address
vlan	(Optional) Display VLAN IGMP snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping membership information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information for the group
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>rports</i>	(Optional)

<i>rtrPortFlag</i>	(Optional)
<i>snoop-enabled</i>	(Optional)
<i>omf-enabled</i>	(Optional)
<i>group-count</i>	(Optional)
<i>s-g-count</i>	(Optional)
<i>total_star_g_count</i>	(Optional)
<i>total_sg_count</i>	(Optional)
TABLE_port	(Optional)
<i>if-name</i>	(Optional)
TABLE_rtrports	(Optional)
<i>rport-if-name</i>	(Optional)
<i>raddr</i>	(Optional)
TABLE_group	(Optional)
<i>addr</i>	(Optional)
<i>ver</i>	(Optional)
<i>raddr</i>	(Optional)
TABLE_source	(Optional)
<i>source</i>	(Optional)
<i>rsf</i>	(Optional)
<i>js</i>	(Optional)
<i>g-mfdm</i>	(Optional)
<i>old-host</i>	(Optional)
<i>g-vpc</i>	(Optional)
<i>static</i>	(Optional)
<i>dynamic</i>	(Optional)
TABLE_static_ports	(Optional)
<i>static-if-name</i>	(Optional)
TABLE_v2_ports	(Optional)
<i>v2-if-name</i>	(Optional)

<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>gq-missed</i>	(Optional)
TABLE_star_g_ports	(Optional)
<i>star-g-if-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
TABLE_source	(Optional)
<i>source</i>	(Optional)
<i>srsf</i>	(Optional)
<i>s-mfdm</i>	(Optional)
<i>s-vpc</i>	(Optional)
<i>src-static</i>	(Optional)
<i>src-dynamic</i>	(Optional)
TABLE_src_static_ports	(Optional)
<i>src-static-if-name</i>	(Optional)
TABLE_src_dynamic	(Optional)
<i>oifs</i>	(Optional)
<i>dyn-if-name</i>	(Optional)
<i>src-uptime</i>	(Optional)
<i>src-expires</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping lookup-mode

```
show ip igmp snooping lookup-mode [ vlan <vlan> | bridge-domain <bidid> ] [ __readonly__ [ <configured> ] [ <operational> ] [ TABLE_vlan [ <vlan-id> ] [ <lookup> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
lookup-mode	IGMP Snooping lkup mode information
vlan	(Optional) Display VLAN information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
<i>bidid</i>	(Optional) Specify BD
<i>__readonly__</i>	(Optional)
<i>configured</i>	(Optional)
<i>operational</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>lookup</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping mac-oif

```
show ip igmp snooping mac-oif [ vlan <vlan> | bridge-domain <bdid> ] [ detail ] [ __readonly__ [ <totaloif> ] ] [ TABLE_vlan [ <vlan-id> ] [ <count> ] [ TABLE_mac [ <mac-addr> ] [ TABLE_oif [ <oifs> ] ] ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
mac-oif	IGMP Snooping static mac oif information
vlan	(Optional) Display VLAN information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) static mac oif detail, M2RIB oif info
<i>__readonly__</i>	(Optional)
<i>totaloif</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>count</i>	(Optional)
TABLE_mac	(Optional)
<i>mac-addr</i>	(Optional)
TABLE_oif	(Optional)
<i>oifs</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping mrouter

```
show ip igmp snooping mrouter [ otv ] [ vlan <vlan> | bridge-domain <bdid> ] [ detail ] [ serialize ] [
__readonly__ TABLE_vlan <vlan-id> TABLE_intf <if-name> <static> <dynamic> <vpc>
<fabricpath-core-port> <co-learned> <user-configured> <learnt-by-peer> <uptime> <expires> <internal> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
mrouter	Display multicast routers detected
otv	(Optional) IGMP Snooping OTV information
vlan	(Optional) Display VLAN multicast router information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD multicast router information
<i>bdid</i>	(Optional) Specify BD
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
TABLE_intf	(Optional)
<i>if-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>static</i>	(Optional)
<i>dynamic</i>	(Optional)
<i>internal</i>	(Optional)
<i>vpc</i>	(Optional)
<i>fabricpath-core-port</i>	(Optional)

<i>co-learned</i>	(Optional)
<i>user-configured</i>	(Optional)
<i>learnt-by-peer</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping otv vlan brief

show ip igmp snooping otv vlan brief [__readonly__ <vlan-id>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
otv	IGMP Snooping OTV information
vlan	Display VLAN/BD information
brief	Brief output
__readonly__	(Optional)
<i>vlan-id</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping pw vlan brief

show ip igmp snooping pw vlan brief [__readonly__ <vlan-id>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
pw	IGMP Snooping PW information
vlan	Display VLAN/BD information
brief	Brief output
__readonly__	(Optional)
<i>vlan-id</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping querier

```
show ip igmp snooping querier [ vlan <vlan> | bridge-domain <bdid> ] [ detail ] [ __readonly__ [ TABLE_vlan
<vlan-id> <qa> <qv> [ <expires> ] <qiod> <qname> <int> [ <last_member_query_count> ] [
<config_last_member_query_count> ] [ <snooping_version> ] [ <config_qv> ] [ <robust> ] [ <config_robust>
] [ <startup_query_count> ] [ <config_startup_query_count> ] [ <startup_query_interval> ] [
<config_startup_query_interval> ] [ <mbr_query_interval> ] [ <config_mbr_query_interval> ] [
<snooping_query_intvl> ] [ <config_snooping_query_intvl> ] [ <gquery_response_time> ] [
<config_gquery_response_time> ] [ <querier_timeout> ] [ <querier_timeout_flag> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
querier	Display snooping querier information
vlan	(Optional) Display VLAN IGMP snooping querier information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping querier information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>qa</i>	(Optional)
<i>expires</i>	(Optional)
<i>qv</i>	(Optional)
<i>qiod</i>	(Optional)
<i>qname</i>	(Optional)
<i>int</i>	(Optional)
<i>last_member_query_count</i>	(Optional)
<i>config_last_member_query_count</i>	(Optional)
<i>snooping_version</i>	(Optional)

<i>config_qv</i>	(Optional)
<i>robust</i>	(Optional)
<i>config_robust</i>	(Optional)
<i>startup_query_count</i>	(Optional)
<i>config_startup_query_count</i>	(Optional)
<i>startup_query_interval</i>	(Optional)
<i>config_startup_query_interval</i>	(Optional)
<i>mbr_query_interval</i>	(Optional)
<i>config_mbr_query_interval</i>	(Optional)
<i>snooping_query_intvl</i>	(Optional)
<i>config_snooping_query_intvl</i>	(Optional)
<i>gquery_response_time</i>	(Optional)
<i>config_gquery_response_time</i>	(Optional)
<i>querier_timeout</i>	(Optional)
<i>querier_timeout_flag</i>	(Optional)

Command Mode

- /exec

show ip igmp snooping report statistics

```
show ip igmp snooping { report-policy | access-group } statistics [ vlan <vlan> ] [ __readonly__ [
TABLE_vlanid { <vlan-id> <rpm-type> <policy-name> } ] [ TABLE_filtervlanid { <filter-vlan-id>
<filter-policy-name> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
report-policy	IGMP Report Policy
access-group	IGMP access-group
statistics	Policy statistics
vlan	(Optional) Display VLAN IGMP snooping policy statistics information
<i>vlan</i>	(Optional) Specify VLAN
__readonly__	(Optional)
TABLE_vlanid	(Optional)
<i>vlan-id</i>	(Optional)
<i>rpm-type</i>	(Optional)
<i>policy-name</i>	(Optional)
TABLE_filtervlanid	(Optional)
<i>filter-vlan-id</i>	(Optional)
<i>filter-policy-name</i>	(Optional)

Command Mode

- /exec

<i>vpcdrqs</i>	(Optional)
<i>vpcdrqr</i>	(Optional)
<i>vpcdrqf</i>	(Optional)
<i>vpcdrus</i>	(Optional)
<i>vpcdrur</i>	(Optional)
<i>vpcdruf</i>	(Optional)
<i>vpccfssf</i>	(Optional)
<i>vpccfsrs</i>	(Optional)
<i>vpccfsrr</i>	(Optional)
<i>vpccfsrf</i>	(Optional)
<i>vpccfsrfp</i>	(Optional)
<i>vpccfsurls</i>	(Optional)
<i>vpccfsurlr</i>	(Optional)
<i>vpccfsurlf</i>	(Optional)
<i>vpccfsrls</i>	(Optional)
<i>vpccfsrlr</i>	(Optional)
<i>vpccfsrlf</i>	(Optional)
<i>stptcnr</i>	(Optional)
<i>imapif</i>	(Optional)
<i>mfreqr</i>	(Optional)
<i>mfcmps</i>	(Optional)
<i>inv_iod</i>	(Optional)
<i>mfdgcmps</i>	(Optional)
<i>bufsnt</i>	(Optional)
<i>bufackr</i>	(Optional)
<i>vpcmismatch</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>ut</i>	(Optional)

<i>vpr</i>	(Optional)
<i>v1rr</i>	(Optional)
<i>v2rr</i>	(Optional)
<i>v3rr</i>	(Optional)
<i>v1qr</i>	(Optional)
<i>v2qr</i>	(Optional)
<i>v3qr</i>	(Optional)
<i>v2lr</i>	(Optional)
<i>phr</i>	(Optional)
<i>irr</i>	(Optional)
<i>illgr</i>	(Optional)
<i>iqr</i>	(Optional)
<i>v1rs</i>	(Optional)
<i>v2rs</i>	(Optional)
<i>v2ls</i>	(Optional)
<i>v2lsv1</i>	(Optional)
<i>v3gs</i>	(Optional)
<i>vmr</i>	(Optional)
<i>upr</i>	(Optional)
<i>qo</i>	(Optional)
<i>v2ro</i>	(Optional)
<i>v2lo</i>	(Optional)
<i>v3ro</i>	(Optional)
<i>vpsr</i>	(Optional)
<i>str</i>	(Optional)
<i>cps</i>	(Optional)
<i>cpr</i>	(Optional)
<i>cpe</i>	(Optional)
<i>mps</i>	(Optional)

<i>mpr</i>	(Optional)
<i>mpe</i>	(Optional)
<i>repflooded</i>	(Optional)
<i>repfwded</i>	(Optional)
<i>agd</i>	(Optional)
<i>egd</i>	(Optional)
<i>lvd</i>	(Optional)
<i>qd</i>	(Optional)
<i>pmd</i>	(Optional)

Command Mode

- /exec

show ip igmp vrf all

```
show ip igmp vrf all [ __readonly__ { TABLE_vrfname <vrf-name> <vrf-id> <instance> <work-in-txlist> [
<global-mcast-bndry> ] } { TABLE_vrfid <vrf-name-i> <vrf-id-i> <instance-i> <work-in-txlist-i> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
vrf	Display per-VRF information
all	Display information for all VRFs
__readonly__	(Optional)
TABLE_vrfname	(Optional)
<i>vrf-name</i>	(Optional)
<i>vrf-id</i>	(Optional)
<i>instance</i>	(Optional)
<i>work-in-txlist</i>	(Optional)
<i>global-mcast-bndry</i>	(Optional)
TABLE_vrfid	(Optional)
<i>vrf-name-i</i>	(Optional)
<i>vrf-id-i</i>	(Optional)
<i>instance-i</i>	(Optional)
<i>work-in-txlist-i</i>	(Optional)

Command Mode

- /exec

show ip interface

```
show ip interface { { { brief [ include-secondary ] } | [ <interface> ] | [ <ip-addr> ] } [ operational ] [ vaddr ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_intf [ <vrf-name-out> ] [
<intf-name> ] [ <proto-state> ] [ <link-state> ] [ <admin-state> ] [ <iod> ] [ <first_unnum_iod> ] [
TABLE_unnuminf <unnum-child-inf> ] [ <prefix> ] [ <subnet> ] [ <masklen> ] [ TABLE_secondary_address
<prefix1> <subnet1> <masklen1> ] [ <num-addr> ] [ <vaddr-client> ] [ <vaddr-prefix> ] [ <vaddr-subnet>
] [ <vaddr-masklen> ] [ <num-vaddr> ] [ <unnum-intf> ] [ <ip-disabled> ] [ <bcast-addr> ] [ <maddr> ] + [
<num-maddr> ] [ <mtu> ] [ <pref> ] [ <tag> ] [ <proxy-arp> ] [ <lcl-proxy-arp> ] [ <mrouting> ] [
<icmp-redirect> ] [ <dir-bcast> ] [ <ip-forwarding> ] [ <ip-unreach> ] [ <port-unreach> ] [ <urpf-mode> ] [
<ip-ls-type> ] [ <urpf-acl> ] [ <pbr-in> ] [ <pbr-out> ] [ <acl-in> ] [ <acl-out> ] [ <stats-last-reset> ] [
<upkt-sent> ] [ <upkt-recv> ] [ <upkt-fwd> ] [ <upkt-orig> ] [ <upkt-consumed> ] [ <ubyte-sent> ] [
<ubyte-recv> ] [ <ubyte-fwd> ] [ <ubyte-orig> ] [ <ubyte-consumed> ] [ <mpkt-sent> ] [ <mpkt-recv> ] [
<mpkt-fwd> ] [ <mpkt-orig> ] [ <mpkt-consumed> ] [ <mbyte-sent> ] [ <mbyte-recv> ] [ <mbyte-fwd> ] [
<mbyte-orig> ] [ <mbyte-consumed> ] [ <bpkt-sent> ] [ <bpkt-recv> ] [ <bpkt-fwd> ] [ <bpkt-orig> ] [
<bpkt-consumed> ] [ <bbyte-sent> ] [ <bbyte-recv> ] [ <bbyte-fwd> ] [ <bbyte-orig> ] [ <bbyte-consumed>
] [ <lpkt-sent> ] [ <lpkt-recv> ] [ <lpkt-fwd> ] [ <lpkt-orig> ] [ <lpkt-consumed> ] [ <lbyte-sent> ] [
<lbyte-recv> ] [ <lbyte-fwd> ] [ <lbyte-orig> ] [ <lbyte-consumed> ] [ <wccp-outbound> ] [ <wccp-inbound>
] [ <wccp-exclude> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
interface	Display IP related interface information
brief	Display summary of IP interface status and configuration
include-secondary	(Optional) Display summary of all IP addresses
operational	(Optional) Display only interfaces that are administratively enabled
<i>interface</i>	(Optional) Interface name to display
<i>ip-addr</i>	(Optional) Display interface for local IP address
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 all VRFs
vaddr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_intf	(Optional)

<i>intf-name</i>	(Optional)
<i>iod</i>	(Optional)
<i>first_unnum_iod</i>	(Optional)
<i>prefix</i>	(Optional)
<i>proto-state</i>	(Optional)
<i>link-state</i>	(Optional)
<i>admin-state</i>	(Optional)
<i>subnet</i>	(Optional)
<i>masklen</i>	(Optional)
TABLE_unnuminf	(Optional)
<i>unnum-child-inf</i>	(Optional)
TABLE_secondary_address	(Optional)
<i>prefix1</i>	(Optional)
<i>subnet1</i>	(Optional)
<i>masklen1</i>	(Optional)
<i>num-addr</i>	(Optional)
<i>vaddr-client</i>	(Optional)
<i>vaddr-prefix</i>	(Optional)
<i>vaddr-subnet</i>	(Optional)
<i>vaddr-masklen</i>	(Optional)
<i>num-vaddr</i>	(Optional)
<i>unnum-intf</i>	(Optional)
<i>ip-disabled</i>	(Optional)
<i>bcast-addr</i>	(Optional)
<i>maddr</i>	(Optional)
<i>num-maddr</i>	(Optional)
<i>mtu</i>	(Optional)
<i>pref</i>	(Optional)
<i>tag</i>	(Optional)

<i>proxy-arp</i>	(Optional)
<i>lcl-proxy-arp</i>	(Optional)
<i>mrouting</i>	(Optional)
<i>icmp-redirect</i>	(Optional)
<i>dir-bcast</i>	(Optional)
<i>ip-forwarding</i>	(Optional)
<i>ip-unreach</i>	(Optional)
<i>port-unreach</i>	(Optional)
<i>urpf-mode</i>	(Optional)
<i>ip-ls-type</i>	(Optional)
<i>urpf-acl</i>	(Optional)
<i>pbr-in</i>	(Optional)
<i>pbr-out</i>	(Optional)
<i>acl-in</i>	(Optional)
<i>acl-out</i>	(Optional)
<i>stats-last-reset</i>	(Optional)
<i>upkt-sent</i>	(Optional)
<i>upkt-recv</i>	(Optional)
<i>upkt-fwd</i>	(Optional)
<i>upkt-orig</i>	(Optional)
<i>upkt-consumed</i>	(Optional)
<i>ubyte-sent</i>	(Optional)
<i>ubyte-recv</i>	(Optional)
<i>ubyte-fwd</i>	(Optional)
<i>ubyte-orig</i>	(Optional)
<i>ubyte-consumed</i>	(Optional)
<i>mpkt-sent</i>	(Optional)
<i>mpkt-recv</i>	(Optional)
<i>mpkt-fwd</i>	(Optional)

<i>mpkt-orig</i>	(Optional)
<i>mpkt-consumed</i>	(Optional)
<i>mbyte-sent</i>	(Optional)
<i>mbyte-recv</i>	(Optional)
<i>mbyte-fwd</i>	(Optional)
<i>mbyte-orig</i>	(Optional)
<i>mbyte-consumed</i>	(Optional)
<i>bpkt-sent</i>	(Optional)
<i>bpkt-recv</i>	(Optional)
<i>bpkt-fwd</i>	(Optional)
<i>bpkt-orig</i>	(Optional)
<i>bpkt-consumed</i>	(Optional)
<i>bbyte-sent</i>	(Optional)
<i>bbyte-recv</i>	(Optional)
<i>bbyte-fwd</i>	(Optional)
<i>bbyte-orig</i>	(Optional)
<i>bbyte-consumed</i>	(Optional)
<i>lpkt-sent</i>	(Optional)
<i>lpkt-recv</i>	(Optional)
<i>lpkt-fwd</i>	(Optional)
<i>lpkt-orig</i>	(Optional)
<i>lpkt-consumed</i>	(Optional)
<i>lbyte-sent</i>	(Optional)
<i>lbyte-recv</i>	(Optional)
<i>lbyte-fwd</i>	(Optional)
<i>lbyte-orig</i>	(Optional)
<i>lbyte-consumed</i>	(Optional)
<i>wccp-outbound</i>	(Optional)
<i>wccp-inbound</i>	(Optional)

<i>wccp-exclude</i>	(Optional)
---------------------	------------

Command Mode

- /exec

show ip large-community-list

```
show ip large-community-list [ <lgcl_name> ] [ __readonly__ TABLE_lgcl <name> <seq> <action> <rule> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
large-community-list	List large-community-list
<i>lgcl_name</i>	(Optional) Standard or expanded large-community-list name
<i>__readonly__</i>	(Optional)
TABLE_lgcl	(Optional)
<i>name</i>	(Optional)
<i>seq</i>	(Optional)
<i>action</i>	(Optional)
<i>rule</i>	(Optional)

Command Mode

- /exec

show ip lisp

```
show { ip | ipv6 } lisp [ database ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
database	(Optional) Show EID-prefixes configured for site
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp data-cache

```
show ip lisp data-cache [ <eid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
lisp	LISP show commands
data-cache	Display EID-to-RLOC data cache mapping in this ITR
<i>eid</i>	(Optional) Display mapping for IP destination EID
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp locator-hash

```
{ { show ip lisp locator-hash { <eid-prefix> | { <source-eid> <dest-eid> } } [ vrf { <vrf-name> | <vrf-known-name> } ] } | { show ipv6 lisp locator-hash { <eid-prefix6> | { <source-eid6> <dest-eid6> } } [ vrf { <vrf-name> | <vrf-known-name> } ] } }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
locator-hash	Display source and dest locators for EID pair
<i>source-eid</i>	Source IPv4 endpoint identifier (EID)
<i>dest-eid</i>	Destination IPv4 endpoint identifier (EID)
<i>eid-prefix</i>	Display exact match for IP EID-prefix entry
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp map-cache

```
{ { show ip lisp map-cache [ <eid> | <eid-prefix> | detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] } } | {
show ipv6 lisp map-cache [ <eid6> | <eid-prefix6> | detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] } }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
map-cache	Display EID-to-RLOC cache mapping in this ITR
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>eid</i>	(Optional) Display mapping for IP destination EID
<i>eid-prefix</i>	(Optional) Display exact match for IP EID-prefix entry
detail	(Optional) Display entire map-cache in long format

Command Mode

- /exec

show ip lisp statistics

```
show { ip | ipv6 } lisp statistics [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
statistics	Display global LISP statistics
vrf	(Optional) Display statistics information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp translate-cache

```
{ show ip lisp translate-cache [ <nrEID> ] } | { show ipv6 lisp translate-cache [ <nrEID6> ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
translate-cache	Display configured translation cache
<i>nrEID</i>	(Optional) IPv4 address of inside non-routable EID
<i>nrEID6</i>	(Optional) IPv6 address of inside non-routable EID

Command Mode

- /exec

show ip load-sharing

```
show ip load-sharing [ __readonly__ { <univer-id-ran-seed> [ <l3-msg-load> ] [ <l34-msg-load> ] [
<dest-addr-load> ] [ <src-dst-ip-gre> ] [ <bad-load> ] [ <gre-outer-hash> ] [ <concatenation> ] [ <rotate> ] [
<src-dst-ip-gtpu> ] [ <src-dst-ip-ipv6-flowlabel> ] [ <src-dst-ip-ttl> ] [ { <src-dst-ip-udf> [ <offset> ] } ] [
<src-dst-ip-inner-all-infra> ] [ <src-dst-ip-inner-all> ] } ]
```

Syntax Description

show	Show running system information
ip	Configure IP features
load-sharing	Display global loadbalance info
<i>__readonly__</i>	(Optional)
<i>univer-id-ran-seed</i>	(Optional)
<i>l3-msg-load</i>	(Optional)
<i>l34-msg-load</i>	(Optional)
<i>dest-addr-load</i>	(Optional)
<i>src-dst-ip-gre</i>	(Optional)
<i>bad-load</i>	(Optional)
<i>gre-outer-hash</i>	(Optional)
<i>concatenation</i>	(Optional)
<i>rotate</i>	(Optional)
<i>src-dst-ip-gtpu</i>	(Optional)
<i>src-dst-ip-ipv6-flowlabel</i>	(Optional)
<i>src-dst-ip-ttl</i>	(Optional)
<i>src-dst-ip-udf</i>	(Optional)
<i>src-dst-ip-inner-all-infra</i>	(Optional)
<i>src-dst-ip-inner-all</i>	(Optional)
<i>offset</i>	(Optional)

Command Mode

- /exec

show ip local policy

```
show ip local policy [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ { TABLE_pbr [ <interface> ] [ <rmap> ] [ <status> ] [ <vrf_name> ] } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
local	IP local options
policy	Policy routing
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
__readonly__	(Optional)
TABLE_pbr	(Optional)
<i>interface</i>	(Optional)
<i>rmap</i>	(Optional)
<i>status</i>	(Optional)
<i>vrf_name</i>	(Optional)

Command Mode

- /exec

show ip logging

```
show ip logging [ hash ] [ __readonly__ ]
```

Syntax Description

show	Show running system information
ip	Display IP information
logging	Display IP policy logging table
hash	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)

Command Mode

- /exec

show ip mbgp

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast | mdt } |
all } ] } } [ <ip-addr> [ <ip-mask> [ longer-prefixes ] ] | <ip-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ip-addr</i>	(Optional) Display one particular network from the BRIB in detail
<i>ip-mask</i>	(Optional) Mask for one particular prefix in the BRIB
<i>ip-prefix</i>	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
mdt	(Optional) Display BGP information for multicast distribution tree
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] ] } { route-map { <rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | {
community-list { <commlist-name> | <test_pol_name> } | extcommunity-list { <extcommmlist-name> |
<test_pol_name> } } [ exact-match ] } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list
community-list	Display routes matching the community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>commlist-name</i>	Name of community-list
<i>extcommmlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ip mbgp community

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] ] } community { <regexp-str> | { { <comm-id> | <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display BGP information for all address families
community	Display routes matching the BGP communities
<i>regexp-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ip mbgp dampening

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } dampening { dampened-paths [ regexp <regexp-str> ] | flap-statistics | parameters | history-paths [ regexp
<regexp-str> ] } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
dampened-paths	Display all dampened paths
flap-statistics	Display flap statistics for routes
parameters	Display dampening parameters
history-paths	Display all history paths
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show ip mbgp extcommunity

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } extcommunity { <regex-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>regex-str</i>	Regular expression to match the extcommunities
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show ip mbgp flap-statistics

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
flap-statistics	Display route flap statistics
<i>ip-prefix</i>	(Optional) Display flap statistics for one prefix
<i>ip-addr</i>	(Optional) Display flap statistics for one network
<i>ip-mask</i>	(Optional) Network mask
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp neighbors

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } neighbors { [ { <neighbor-id> | <ipv6-neighbor-id> } [ routes [ advertised | received | dampened ] |
advertised-routes | received-routes | paths | flap-statistics ] ] | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id>
| <neighbor-interface> } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	Display details for a prefix peering
<i>neighbor-interface</i>	Display details for BGP interface peering
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
routes	(Optional) Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
advertised-routes	(Optional) Display all the routes advertised to this peer
received-routes	(Optional) Display all the routes received from this peer
flap-statistics	(Optional) Display flap statistics for routes received from this peer
paths	(Optional) Display AS paths learned from this peer

Command Mode

- /exec

show ip mbgp nexthop-database

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } nexthop-database [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop-database	Display nexthop database
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp nexthop

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 { unicast | multicast } ] } nexthop
<ipnexthop> [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
<i>ipnexthop</i>	Nexthop address
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family

Command Mode

- /exec

show ip mbgp prefix-list

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 { unicast | multicast } ] } }
prefix-list { <prfxlist-name> | <test_pol_name> } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
<i>test_pol_name</i>	An existing test-list policy
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family

Command Mode

- /exec

show ip mbgp received-paths

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } received-paths [ private ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

sr	(Optional) Display Service Reflect Routes only
umnat	(Optional) Display Service Reflect UMNAT Routes only
mofrr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>group</i>	(Optional) Display multicast group/source address for route
<i>source</i>	(Optional) Display group/source address for route
<i>destination</i>	(Optional) Display destination address for route
<i>gprefix</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
count	(Optional) Display route counts only
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display detailed route attributes
flags	(Optional) Display detailed route attributes
exact	(Optional) Exactly match the given mask length
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>expry_timer</i>	(Optional)
<i>route_count</i>	(Optional)
<i>star_g_cnt</i>	(Optional)
<i>sg_cnt</i>	(Optional)
<i>star_g_prfx_cnt</i>	(Optional)
TABLE_summary_source	(Optional)
<i>group_addr</i>	(Optional)
<i>group_mask_len</i>	(Optional)
<i>source_count</i>	(Optional)
TABLE_one_sg	(Optional)
<i>sgroup_addr</i>	(Optional)
<i>source_addr</i>	(Optional)
<i>packets</i>	(Optional)
<i>bytes</i>	(Optional)

<i>aps</i>	(Optional)
<i>pps</i>	(Optional)
<i>rate_buf</i>	(Optional)
<i>oifs</i>	(Optional)
<i>sr_type</i>	(Optional)
<i>software_fwd</i>	(Optional)
<i>rpf-failed-pkts</i>	(Optional)
<i>rpf-failed-bytes</i>	(Optional)
TABLE_one_route	(Optional)
<i>mcast-addr</i> s	(Optional)
<i>source_addrs_um</i>	(Optional)
<i>dest_addrs_um</i>	(Optional)
<i>source_addrs</i>	(Optional)
<i>group_addrs</i>	(Optional)
<i>mcast-addr</i> s-um	(Optional)
<i>udp-src-port-um</i>	(Optional)
<i>udp-dst-port-um</i>	(Optional)
<i>bidir</i>	(Optional)
<i>pending</i>	(Optional)
<i>mofrr</i>	(Optional)
<i>uptime</i>	(Optional)
<i>vlan-dci-core</i>	(Optional)
<i>vlan-src-dci-remote</i>	(Optional)
<i>vlan-src-vipr</i>	(Optional)
<i>uptime_detailed</i>	(Optional)
TABLE_mpib	(Optional)
<i>mpib-name</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>stale-route</i>	(Optional)

<i>mdt-encap</i>	(Optional)
<i>mdt-decap</i>	(Optional)
<i>mdt-last-hop</i>	(Optional)
<i>mdt-encap-index</i>	(Optional)
<i>stats-pkts</i>	(Optional)
<i>stats-bytes</i>	(Optional)
<i>stats-rate-buf</i>	(Optional)
<i>lisp-src-rloc</i>	(Optional)
<i>nat-mode</i>	(Optional)
<i>nat-route-type</i>	(Optional)
<i>route-iif</i>	(Optional)
<i>rpf-nbr</i>	(Optional)
<i>mofrr-iif</i>	(Optional)
<i>mofrr-nbr</i>	(Optional)
<i>internal</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>fabric-oif</i>	(Optional)
<i>fabric-loser</i>	(Optional)
<i>num-vpc-svi-oifs</i>	(Optional)
TABLE_oif	(Optional)
<i>oif-name</i>	(Optional)
<i>oif-uptime</i>	(Optional)
<i>oif-uptime-detailed</i>	(Optional)
TABLE_oif_mpib	(Optional)
<i>oif-mpib-name</i>	(Optional)
<i>stale-oif</i>	(Optional)
<i>omd-vpc-svi</i>	(Optional)
<i>core-interest</i>	(Optional)
<i>fabric-interest</i>	(Optional)

<i>rpf</i>	(Optional)
<i>route-mdt-iod</i>	(Optional)
<i>oif-list-bitfield</i>	(Optional)
TABLE_route_summary	(Optional)
<i>total-num-routes</i>	(Optional)
<i>star-g-route</i>	(Optional)
<i>sg-route</i>	(Optional)
<i>star-g-prfx</i>	(Optional)
<i>group-count</i>	(Optional)
<i>avg</i>	(Optional)
<i>rem</i>	(Optional)
<i>stats-pndg</i>	(Optional)
<i>sr-routes</i>	(Optional)
<i>pre-routes</i>	(Optional)
<i>post-routes</i>	(Optional)
<i>ingress-routes</i>	(Optional)
<i>egress-routes</i>	(Optional)
<i>sr-count</i>	(Optional)
TABLE_sr	(Optional)
<i>translated-route-src</i>	(Optional)
<i>translated-route-grp</i>	(Optional)
<i>udp-src-port</i>	(Optional)
<i>udp-dst-port</i>	(Optional)
<i>sr-oif</i>	(Optional)
TABLE_extranet	(Optional)
<i>extranet_vrf_name</i>	(Optional)
<i>extranet_addr</i>	(Optional)
<i>extranet_oif_count</i>	(Optional)

Command Mode

- /exec

show ip msdp count

```
show ip msdp count [ <asn> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf
[ <out-vrf> ] [ <total-cnt> ] [ TABLE_asn [ <out-asn> ] [ <src-cnt> ] [ <grp-cnt> ] ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
count	Display SA cache counters
<i>asn</i>	(Optional) AS number
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>out-vrf</i>	(Optional)
<i>total-cnt</i>	(Optional)
TABLE_asn	(Optional)
<i>out-asn</i>	(Optional)
<i>src-cnt</i>	(Optional)
<i>grp-cnt</i>	(Optional)

Command Mode

- /exec

show ip msdp mesh-group

```
show ip msdp mesh-group [ <mesh-group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
[ TABLE_vrf [ <out-vrf> ] [ TABLE_meshgroup [ <meshgroup-name> ] [ TABLE_peer [ <peer-ipaddr> ] [
<peer-asn> ] [ <peer-description> ] ] ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
mesh-group	Display members of mesh-group
<i>mesh-group</i>	(Optional) Display single mesh-group
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>out-vrf</i>	(Optional)
TABLE_meshgroup	(Optional)
<i>meshgroup-name</i>	(Optional)
TABLE_peer	(Optional)
<i>peer-ipaddr</i>	(Optional)
<i>peer-asn</i>	(Optional)
<i>peer-description</i>	(Optional)

Command Mode

- /exec

show ip msdp peer

```
show ip msdp peer [ <peer-address> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [
TABLE_peer [ <peer-ipaddr> ] [ <out-vrf> ] [ <peer-asn> ] [ <local-ipaddr> ] [ <local-iface> ] [
<fully-configured> ] [ <peer-description> ] [ <connection-status> ] [ <peer-listening> ] [ <state-duration> ]
[ <peer-uptime> ] [ <peer-rr> ] [ <peer-password> ] [ <peer-ki> ] [ <peer-kt> ] [ <peer-ri> ] [ <sa-in-policy>
] [ <sa-out-policy> ] [ <sa-limit> ] [ <mesh-name> ] [ <last-rcvd> ] [ <sa-rcvd> ] [ <sa-sent> ] [ <sa-req-rcvd>
] [ <sa-req-sent> ] [ <sa-resp-rcvd> ] [ <sa-resp-sent> ] [ <in-ctrl-msgs> ] [ <out-ctrl-msgs> ] [ <in-data-msgs>
] [ <out-data-msgs> ] [ <sa-ka-rcvd> ] [ <sa-ka-sent> ] [ <sa-notif-rcvd> ] [ <sa-notif-sent> ] [ <rem-port> ]
[ <local-port> ] [ <rpf-failures> ] [ <cache-lifetime> ] [ <estb-transitions> ] [ <conn-attempts> ] [ <discont-time>
] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP 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
peer	Display MSDP peer information
<i>peer-address</i>	(Optional) IP address of MSDP peer
__readonly__	(Optional)
TABLE_peer	(Optional)
<i>peer-ipaddr</i>	(Optional)
<i>out-vrf</i>	(Optional)
<i>peer-asn</i>	(Optional)
<i>local-ipaddr</i>	(Optional)
<i>local-iface</i>	(Optional)
<i>fully-configured</i>	(Optional)
<i>peer-description</i>	(Optional)
<i>connection-status</i>	(Optional)
<i>state-duration</i>	(Optional)

<i>peer-listening</i>	(Optional)
<i>peer-uptime</i>	(Optional)
<i>peer-password</i>	(Optional)
<i>peer-ki</i>	(Optional)
<i>peer-kt</i>	(Optional)
<i>peer-ri</i>	(Optional)
<i>peer-rr</i>	(Optional)
<i>sa-in-policy</i>	(Optional)
<i>sa-out-policy</i>	(Optional)
<i>sa-limit</i>	(Optional)
<i>mesh-name</i>	(Optional)
<i>last-rcvd</i>	(Optional)
<i>sa-rcvd</i>	(Optional)
<i>sa-sent</i>	(Optional)
<i>sa-req-rcvd</i>	(Optional)
<i>sa-req-sent</i>	(Optional)
<i>sa-resp-rcvd</i>	(Optional)
<i>sa-resp-sent</i>	(Optional)
<i>out-ctrl-msgs</i>	(Optional)
<i>in-ctrl-msgs</i>	(Optional)
<i>out-data-msgs</i>	(Optional)
<i>in-data-msgs</i>	(Optional)
<i>sa-ka-rcvd</i>	(Optional)
<i>sa-ka-sent</i>	(Optional)
<i>sa-notif-rcvd</i>	(Optional)
<i>sa-notif-sent</i>	(Optional)
<i>rem-port</i>	(Optional)
<i>local-port</i>	(Optional)
<i>rpf-failures</i>	(Optional)

<i>cache-lifetime</i>	(Optional)
<i>estb-transitions</i>	(Optional)
<i>conn-attempts</i>	(Optional)
<i>discont-time</i>	(Optional)

Command Mode

- /exec

show ip msdp policy statistics sa-policy in

```
show ip msdp policy statistics sa-policy <peer-address> { in | out } [ vrf { <vrf-name> | <vrf-known-name>
} ] [ __readonly__ [ TABLE_routemap [ <name> ] [ <action> ] [ <seq_num> ] [ TABLE_cmd [ <command>
] [ <compare_count> ] [ <match_count> ] ] ] [ <total_accept_count> ] [ <total_reject_count> ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	MSDP global configuration commands
policy	Policy information
statistics	Policy statistics
sa-policy	Configured SA policy for MSDP peer
<i>peer-address</i>	IP address of MSDP peer for SA policy
in	Input policy
out	Output policy
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_routemap	(Optional)
<i>name</i>	(Optional)
<i>action</i>	(Optional)
<i>seq_num</i>	(Optional)
TABLE_cmd	(Optional)
<i>command</i>	(Optional)
<i>compare_count</i>	(Optional)
<i>match_count</i>	(Optional)
<i>total_accept_count</i>	(Optional)
<i>total_reject_count</i>	(Optional)

Command Mode

- /exec

show ip msdp rpf

```
show ip msdp rpf <rp-address> [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_rp
[ <out-rp-address> ] [ <out-vrf> ] [ TABLE_mesh [ <peer-addr> ] [ <mesh-name> ] ] [ <is-peer-cnt-one> ] [
<is-rp-peer> ] [ <is-bgp-alive> ] [ <bgp-peer-addr> ] [ <peer-asn> ] [ <origin-asn> ] [ <is-mbgp> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
rpf	Display RPF-peer for RP address
<i>rp-address</i>	IP address of RP
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
__readonly__	(Optional)
TABLE_rp	(Optional)
<i>out-rp-address</i>	(Optional)
<i>out-vrf</i>	(Optional)
TABLE_mesh	(Optional)
<i>peer-addr</i>	(Optional)
<i>mesh-name</i>	(Optional)
<i>is-peer-cnt-one</i>	(Optional)
<i>is-rp-peer</i>	(Optional)
<i>is-bgp-alive</i>	(Optional)
<i>bgp-peer-addr</i>	(Optional)
<i>peer-asn</i>	(Optional)
<i>origin-asn</i>	(Optional)
<i>is-mbgp</i>	(Optional)

Command Mode

- /exec

show ip msdp sa

```
show ip msdp { sa-cache | route } [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ <asn> ] [ peer
<peer> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf [ <out-vrf>
] ] [ <total-sa-count> ] [ TABLE_sa [ <src-addr> ] [ <grp-addr> ] [ <rp-addr> ] [ <out-asn> ] [ <uptime> ] [
<in-mrib> ] [ <peer-addr> ] [ <expire> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP 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
route	Display MSDP SA route cache
sa-cache	Display MSDP SA route cache
<i>source</i>	(Optional) Display group/source address for SA
<i>group</i>	(Optional) Display group/source address for SA
<i>asn</i>	(Optional) AS number
detail	(Optional) Display detailed information
peer	(Optional) Display MSDP SA received from single peer
<i>peer</i>	(Optional) IP address of peer for SA
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>out-vrf</i>	(Optional)
<i>total-sa-count</i>	(Optional)
TABLE_sa	(Optional)
<i>src-addr</i>	(Optional)
<i>grp-addr</i>	(Optional)
<i>rp-addr</i>	(Optional)

<i>in-mrib</i>	(Optional)
<i>peer-addr</i>	(Optional)
<i>out-asn</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expire</i>	(Optional)

Command Mode

- /exec

show ip msdp sources

```
show ip msdp sources [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_VRF [
<out-vrf> ] [ TABLE_source [ <source-addr> ] [ <count> ] [ <is-count-ge-limit> ] [ <is-limit-valid> ] [ <limit>
] [ <source-prefix> ] [ <violates> ] ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
sources	Display learned sources with their group counts and limits
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>__readonly__</i>	(Optional)
TABLE_VRF	(Optional)
<i>out-vrf</i>	(Optional)
TABLE_source	(Optional)
<i>source-addr</i>	(Optional)
<i>is-count-ge-limit</i>	(Optional)
<i>count</i>	(Optional)
<i>is-limit-valid</i>	(Optional)
<i>limit</i>	(Optional)
<i>source-prefix</i>	(Optional)
<i>violates</i>	(Optional)

Command Mode

- /exec

show ip msdp statistics

```
show ip msdp statistics [ <peer-address> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [
TABLE_vrf [ <out-vrf> ] [ <select-err> ] [ <rcv-sel-err> ] [ TABLE_peer [ <peer-address> ] [ <buffer-full>
] [ <rcv-buf-full> ] [ <fatal-err> ] [ <rcv-fat-err> ] [ <would-block> ] [ <rcv-would-block> ] [ <sock-exp>
] [ <invalid-type> ] [ <invalid-len> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
statistics	Display internal statistics
<i>peer-address</i>	(Optional) IP address of MSDP peer
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>out-vrf</i>	(Optional)
<i>select-err</i>	(Optional)
<i>rcv-sel-err</i>	(Optional)
TABLE_peer	(Optional)
<i>peer-address</i>	(Optional)
<i>buffer-full</i>	(Optional)
<i>rcv-buf-full</i>	(Optional)
<i>fatal-err</i>	(Optional)
<i>rcv-fat-err</i>	(Optional)
<i>would-block</i>	(Optional)
<i>rcv-would-block</i>	(Optional)
<i>sock-exp</i>	(Optional)

<i>invalid-type</i>	(Optional)
<i>invalid-len</i>	(Optional)

Command Mode

- /exec

<i>peer-sa-rcvd</i>	(Optional)
<i>peer-sa-limit</i>	(Optional)

Command Mode

- /exec

show ip multicast vrf

```
show ip multicast vrf [ <vrf-name> | <vrf-known-name> | all ] [ detail ] [ __readonly__ <vrf-count> [ {
TABLE_vrf <vrf-name> <cid> <tid> <rc> <gc> <sc> <star_gc> <state> [ <multipath-configuration> ] [
<mrrib-cc-timer-left> ] [ <mrrib-stats-timer-left> ] [ <mrrib-mfdm-timer-left> ] [ <mrrib-lisp-timer-left> ] [
<sr-interface> ] [ <resilient> ] [ TABLE_RPF_SELECT <rpf-ip> <rpf-ip-mask> <rpf-vrf> ] [
<global-mcast-bndry> ] [ <dci-mcast> } } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
multicast	Display multicast routing info
vrf	Display information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information
__readonly__	(Optional)
<i>vrf-count</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>cid</i>	(Optional)
<i>tid</i>	(Optional)
<i>rc</i>	(Optional)
<i>gc</i>	(Optional)
<i>sc</i>	(Optional)
<i>star_gc</i>	(Optional)
<i>state</i>	(Optional)
<i>multipath-configuration</i>	(Optional)
<i>mrrib-cc-timer-left</i>	(Optional)
<i>mrrib-stats-timer-left</i>	(Optional)
<i>mrrib-mfdm-timer-left</i>	(Optional)

<i>mrib-lisp-timer-left</i>	(Optional)
<i>sr-interface</i>	(Optional)
<i>resilient</i>	(Optional)
TABLE_RPF_SELECT	(Optional)
<i>rpf-ip</i>	(Optional)
<i>rpf-ip-mask</i>	(Optional)
<i>rpf-vrf</i>	(Optional)
<i>global-mcast-bndry</i>	(Optional)
<i>dci-mcast</i>	(Optional)

Command Mode

- /exec

show ip nat-alias

```
show ip nat-alias [ __readonly__ [ TABLE_nat_alias_vrf [ { <nat-alias-vrf-name> [ TABLE_each_vrf_alias
{ <nat-alias-addr> <nat-alias-intr> } ] } ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
nat-alias	Display aliases registered by NAT module
__readonly__	(Optional)
TABLE_nat_alias_vrf	(Optional)
<i>nat-alias-vrf-name</i>	(Optional)
TABLE_each_vrf_alias	(Optional)
<i>nat-alias-addr</i>	(Optional)
<i>nat-alias-intr</i>	(Optional)

Command Mode

- /exec

show ip nat max

```
show ip nat max [ __readonly__ <max_dyn_translations> <max_all_host> <static_translations>
<dynamic_translations> <icmp_translations> ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
max	IP NAT max values
<i>__readonly__</i>	(Optional)
<i>max_dyn_translations</i>	(Optional) Max Dynamic Translations
<i>max_all_host</i>	(Optional) Max All Hosts
<i>static_translations</i>	(Optional) No. Static Translations
<i>dynamic_translations</i>	(Optional) No. Dynamic Translations
<i>icmp_translations</i>	(Optional) No. ICMP Translations

Command Mode

- /exec

show ip nat statistics

```
show ip nat statistics [ __readonly__ <last_clear_time> <total_active_translations> <static_translations>
<dynamic_translations> <icmp_translations> <total_exp_translations> <syn_exp_translations>
<finrst_exp_translations> <inactive_exp_translations> <total_hits> <total_misses> <io_hits> <io_misses>
<oi_hits> <oi_misses> <total_sw_translated> <io_sw_translated> <oi_sw_translated> <total_sw_dropped>
<io_sw_dropped> <oi_sw_dropped> <addr_alloc_fail_drop> <port_alloc_fail_drop>
<dyn_trans_maxlimit_drop> <icmp_maxlimit_drop> <allhost_maxlimit_drop> <total_tcp_session_created>
<total_tcp_session_closed> [ <Total_NAT_inside_interfaces> ] [ { TABLE_NAT_inside_interfaces [
<nat_inside_interfaces> ] } ] [ <Total_NAT_outside_interfaces> ] [ { TABLE_NAT_outside_interfaces [
<nat_outside_interfaces> ] } ] [ { TABLE_NAT_inside_source_list [ <nat_in_acl_name> ] [
<nat_in_acl_refcount> ] [ <nat_in_pool_name> ] [ <nat_pool_overload> ] [ <in_pool_total_address> ] [
<in_pool_allocated> ] [ <in_pool_allocated_percentage> ] [ <in_pool_missed> ] [ <interface_name> ] [
<interface_status> ] [ <interface_ip_addr> ] } ] [ { TABLE_NAT_outside_source_list [ <nat_out_acl_name>
] [ <nat_out_acl_refcount> ] [ <nat_out_pool_name> ] + [ <out_pool_total_address> ] [ <out_pool_allocated>
] [ <out_pool_allocated_percentage> ] [ <out_pool_missed> ] } ] ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
statistics	Translation statistics
<i>__readonly__</i>	(Optional)
<i>last_clear_time</i>	(Optional) Clearable stats collected from
<i>total_active_translations</i>	(Optional) Total active translations
<i>static_translations</i>	(Optional) No. Static Translations
<i>dynamic_translations</i>	(Optional) No. Dynamic Translations
<i>icmp_translations</i>	(Optional) No. ICMP Translations
<i>total_exp_translations</i>	(Optional) Total expired Translations
<i>syn_exp_translations</i>	(Optional) SYN timer expired Translations
<i>finrst_exp_translations</i>	(Optional) FIN-RST timer expired Translations
<i>inactive_exp_translations</i>	(Optional) Inactive timer expired Translations
<i>total_hits</i>	(Optional) Total Hits
<i>total_misses</i>	(Optional) Total Misses
<i>io_hits</i>	(Optional) In-Out Hits
<i>io_misses</i>	(Optional) In-Out Misses

<i>oi_hits</i>	(Optional) Out-In Hits
<i>oi_misses</i>	(Optional) Out-In Misses
<i>total_sw_translated</i>	(Optional) Total SW Translated Packets
<i>io_sw_translated</i>	(Optional) In-Out SW Translated Packets
<i>oi_sw_translated</i>	(Optional) Out-In SW Translated Packets
<i>total_sw_dropped</i>	(Optional) Total SW Dropped Packets
<i>io_sw_dropped</i>	(Optional) In-Out SW Dropped Packets
<i>oi_sw_dropped</i>	(Optional) Out-In SW Dropped Packets
<i>addr_alloc_fail_drop</i>	(Optional) Address alloc. failure dropped Packets
<i>port_alloc_fail_drop</i>	(Optional) Port alloc. failure dropped Packets
<i>dyn_trans_maxlimit_drop</i>	(Optional) Dyn. Translation max limit dropped Packets
<i>icmp_maxlimit_drop</i>	(Optional) ICMP max limit dropped Packets
<i>allhost_maxlimit_drop</i>	(Optional) Allhost max limit dropped Packets
<i>total_tcp_session_created</i>	(Optional) Total tcp session created
<i>total_tcp_session_closed</i>	(Optional) Total tcp session closed
<i>Total_NAT_inside_interfaces</i>	(Optional) Number of NAT inside interfaces
TABLE_NAT_inside_interfaces	(Optional) NAT inside interfaces
<i>nat_inside_interfaces</i>	(Optional) NAT Inside Interfaces
<i>Total_NAT_outside_interfaces</i>	(Optional) Number of NAT outside interfaces
TABLE_NAT_outside_interfaces	(Optional) NAT outside interfaces
<i>nat_outside_interfaces</i>	(Optional) NAT Outside Interfaces
TABLE_NAT_inside_source_list	(Optional) NAT Inside source list
TABLE_NAT_outside_source_list	(Optional) NAT Outside source list
<i>nat_in_acl_name</i>	(Optional) NAT inside access list name
<i>nat_out_acl_name</i>	(Optional) NAT outside access list name
<i>nat_in_acl_refcount</i>	(Optional) NAT inside access list ref. count
<i>nat_out_acl_refcount</i>	(Optional) NAT outside access list ref. count
<i>nat_in_pool_name</i>	(Optional) NAT inside Pool name
<i>nat_out_pool_name</i>	(Optional) NAT outside Pool name

<i>nat_pool_overload</i>	(Optional) NAT Pool overload
<i>in_pool_total_address</i>	(Optional) Total address in the inside pool
<i>out_pool_total_address</i>	(Optional) Total address in the outside pool
<i>in_pool_allocated</i>	(Optional) Total address allocated in the inside pool
<i>in_pool_allocated_percentage</i>	(Optional) Total address allocated in the inside pool percentage
<i>out_pool_allocated</i>	(Optional) Total address allocated in the outside pool
<i>out_pool_allocated_percentage</i>	(Optional) Total address allocated in the outside pool percentage
<i>in_pool_missed</i>	(Optional) Total failed address allocation in the inside pool
<i>out_pool_missed</i>	(Optional) Total failed address allocation in the outside pool
<i>interface_name</i>	(Optional) NAT source list interface name
<i>interface_status</i>	(Optional) NAT source list interface status
<i>interface_ip_addr</i>	(Optional) NAT source list interface addr

Command Mode

- /exec

show ip nat timeout

```
show ip nat timeout [ __readonly__ <tcp_timeout> <udp_timeout> [ <icmp_timeout> ] <dynamic_timeout>
[ <sampling_timeout> ] [ <syn_timeout> ] [ <finrst_timeout> ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
timeout	IP NAT timeout values
<i>__readonly__</i>	(Optional)
<i>tcp_timeout</i>	(Optional) TCP Timeout
<i>udp_timeout</i>	(Optional) UDP Timeout
<i>icmp_timeout</i>	(Optional) ICMP Timeout
<i>dynamic_timeout</i>	(Optional) Dynamic Timeout
<i>sampling_timeout</i>	(Optional) Sampling Timeout
<i>syn_timeout</i>	(Optional) SYN Timeout
<i>finrst_timeout</i>	(Optional) FINRST Timeout

Command Mode

- /exec

show ip nat translations

```
show ip nat translations [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ verbose ] [ internal-detail ] [
__readonly__ { TABLE_nat_translation [ <Protocol> ] [ <Inside_global_IP_V4_Address> ] [
<Inside_global_port> ] [ <Inside_local_IP_V4_Address> ] [ <Inside_local_port> ] [
<Outside_local_IP_V4_Address> ] [ <Outside_local_port> ] [ <Outside_global_IP_V4_Address> ] [
<Outside_global_port> ] [ <VRF> ] [ <In_stats_count> ] [ <Out_stats_count> ] [ <Group_id> ] [ <Time_left>
] [ <Syn> ] [ <Fin_rst> ] [ <Flags> ] [ <Entry_id> ] [ <State> ] } ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
translations	Translation entries
verbose	(Optional) Show extra information
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 all vrfs
internal-detail	(Optional) Display internal debugs
<i>__readonly__</i>	(Optional) Readonly
TABLE_nat_translation	(Optional) NAT Translation Table
<i>Protocol</i>	(Optional) Protocol
<i>Inside_global_IP_V4_Address</i>	(Optional) Inside global address
<i>Inside_global_port</i>	(Optional) Inside global port
<i>Inside_local_IP_V4_Address</i>	(Optional) Inside local address
<i>Inside_local_port</i>	(Optional) Inside local port
<i>Outside_local_IP_V4_Address</i>	(Optional) Outside local address
<i>Outside_local_port</i>	(Optional) Outside local port
<i>Outside_global_IP_V4_Address</i>	(Optional) Outside global address
<i>Outside_global_port</i>	(Optional) Outside global port
<i>Flags</i>	(Optional) Flags

<i>In_stats_count</i>	(Optional) In stats count
<i>Out_stats_count</i>	(Optional) Out stats count
<i>Entry_id</i>	(Optional) Entry ID
<i>State</i>	(Optional) State
<i>Group_id</i>	(Optional) Group ID
<i>VRF</i>	(Optional) VRF
<i>Time_left</i>	(Optional) Time Left (HH:MM:SS)
<i>Syn</i>	(Optional) Syn
<i>Fin_rst</i>	(Optional) FIN RESET

Command Mode

- /exec

<i>rid</i>	(Optional)
<i>domain_id_type</i>	(Optional)
<i>domain_id_value</i>	(Optional)
<i>domain_tag</i>	(Optional)
<i>dn_bit_ignore</i>	(Optional)
<i>stateful_ha</i>	(Optional)
<i>gr_ha</i>	(Optional)
<i>gr_planned_only</i>	(Optional)
<i>gr_grace_period</i>	(Optional)
<i>gr_state</i>	(Optional)
<i>gr_last_status</i>	(Optional)
<i>gr_helper_mode</i>	(Optional)
<i>support_tos0_only</i>	(Optional)
<i>support_opaque_lsa</i>	(Optional)
<i>low_mem_cond</i>	(Optional)
<i>is_abr</i>	(Optional)
<i>is_asbr</i>	(Optional)
<i>max_lsa_non_self_number</i>	(Optional)
<i>max_lsa_state</i>	(Optional)
<i>max_lsa_warning_only</i>	(Optional)
<i>max_lsa_current_non_self_lsa_number</i>	(Optional)
<i>max_lsa_threshold_pct</i>	(Optional)
<i>max_lsa_ignore_time</i>	(Optional)
<i>max_lsa_reset_time</i>	(Optional)
<i>max_lsa_ignore_count</i>	(Optional)
<i>max_lsa_current_ignore_count</i>	(Optional)
<i>max_lsa_ignore_time_left</i>	(Optional)
<i>max_lsa_reset_time_left</i>	(Optional)
<i>max_lsa_permanent_ignore</i>	(Optional)

TABLE_redist	(Optional)
<i>proto</i>	(Optional)
<i>max_lsas</i>	(Optional)
<i>warning</i>	(Optional)
<i>threshold</i>	(Optional)
<i>current_count</i>	(Optional)
<i>admin_dist</i>	(Optional)
<i>ref_bw</i>	(Optional)
<i>spf_start_time</i>	(Optional)
<i>spf_hold_time</i>	(Optional)
<i>spf_max_time</i>	(Optional)
<i>lsa_start_time</i>	(Optional)
<i>lsa_hold_time</i>	(Optional)
<i>lsa_max_time</i>	(Optional)
<i>min_lsa_arr_time</i>	(Optional)
<i>lsa_aging_pace</i>	(Optional)
<i>spf_max_paths</i>	(Optional)
<i>max_metric_adver</i>	(Optional)
<i>max_metric_time_left</i>	(Optional)
<i>max_metric_wait_bgp</i>	(Optional)
<i>max_metric_timeout</i>	(Optional)
<i>max_metric_always</i>	(Optional)
<i>max_metric_sum_lsa</i>	(Optional)
<i>max_metric_ext_lsa</i>	(Optional)
<i>asext_lsa_cnt</i>	(Optional)
<i>asext_lsa_crc</i>	(Optional)
<i>asopaque_lsa_cnt</i>	(Optional)
<i>asopaque_lsa_crc</i>	(Optional)
<i>area_total</i>	(Optional)

<i>area_normal</i>	(Optional)
<i>area_stub</i>	(Optional)
<i>area_nssa</i>	(Optional)
<i>act_area_total</i>	(Optional)
<i>act_area_normal</i>	(Optional)
<i>act_area_stub</i>	(Optional)
<i>act_area_nssa</i>	(Optional)
<i>name_lookup</i>	(Optional)
<i>no_discard_rt_ext</i>	(Optional)
<i>no_discard_rt_int</i>	(Optional)
<i>passive_dflt</i>	(Optional)
<i>bfd_enabled</i>	(Optional)
<i>segrt_configured</i>	(Optional)
<i>segrt_enabled</i>	(Optional)
<i>srgb_min_label</i>	(Optional)
<i>srgb_max_label</i>	(Optional)
TABLE_area	(Optional)
<i>aname</i>	(Optional)
<i>backbone_active</i>	(Optional)
<i>active</i>	(Optional)
<i>age</i>	(Optional)
<i>total_intf</i>	(Optional)
<i>act_intf</i>	(Optional)
<i>passive_intf</i>	(Optional)
<i>loopback_intf</i>	(Optional)
<i>gr_nbr_cnt</i>	(Optional)
<i>stub</i>	(Optional)
<i>stub_def_cost</i>	(Optional)
<i>nssa</i>	(Optional)

<i>no_redist</i>	(Optional)
<i>nssa_trans</i>	(Optional)
<i>no_summary</i>	(Optional)
<i>auth_type</i>	(Optional)
<i>area_segrrt_configured</i>	(Optional)
<i>area_segrrt_disabled_by_config</i>	(Optional)
<i>area_segrrt_enabled</i>	(Optional)
<i>spf_runs</i>	(Optional)
<i>last_spf_run_time</i>	(Optional)
TABLE_range	(Optional)
<i>addr</i>	(Optional)
<i>masklen</i>	(Optional)
<i>state</i>	(Optional)
<i>nets</i>	(Optional)
<i>advertise</i>	(Optional)
<i>cost</i>	(Optional)
<i>filter_in</i>	(Optional)
<i>filter_out</i>	(Optional)
<i>lsa_cnt</i>	(Optional)
<i>lsa_crc</i>	(Optional)
<i>num_new_lsa_tx</i>	(Optional)
<i>num_new_lsa_rx</i>	(Optional)

Command Mode

- /exec

show ip ospf border-routers

```
show ip ospf [ <tag> ] border-routers [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
TABLE_ctx <ptag> <cname> [ TABLE_br <type> <addr> <cost> <asbr> <abr> <area> <spf_inst> [
<vlink_unresolved> ] [ TABLE_br_ubest_nh [ <ubest_nh_addr> ] [ <ubest_nh_intf> ] ] [ TABLE_br_mbest_nh
[ <mbest_nh_addr> ] [ <mbest_nh_intf> ] ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
border-routers	Border routers
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_br	(Optional)
<i>type</i>	(Optional)
<i>addr</i>	(Optional)
<i>cost</i>	(Optional)
<i>asbr</i>	(Optional)
<i>abr</i>	(Optional)
<i>area</i>	(Optional)
<i>spf_inst</i>	(Optional)
<i>vlink_unresolved</i>	(Optional)
TABLE_br_ubest_nh	(Optional)

<i>ubest_nh_addr</i>	(Optional)
<i>ubest_nh_intf</i>	(Optional)
TABLE_br_mbest_nh	(Optional)
<i>mbest_nh_addr</i>	(Optional)
<i>mbest_nh_intf</i>	(Optional)

Command Mode

- /exec

show ip ospf database

```
show ip ospf [ <tag> ] database [ [ [ network | asbr-summary | summary | router | opaque-link | opaque-area
[ type { router-information | ext-prefix | ext-link } ] | nssa-external ] [ area <area-id-ip> ] ] | external [ ext_tag
<tag_val> ] | opaque-as ] [ <lsid> ] [ self-originated | adv-router <advid> | adv-router-name <adv-name> ] ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ _readonly_ TABLE_ctx <rid> <ptag> <cname> [
TABLE_db2_lsa <name> [ <area> ] <id> <advrtr> <age> <seqno> <cksum> [ <opaque_id> ] [ <prefix> ] [
<prefix_mask> ] [ <srgb_base> ] [ <srgb_range> ] [ <corrupt> ] [ <rtr_num_links> ] [ <tag> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
database	Link-state Database Summary
network	(Optional) Display network LSAs
asbr-summary	(Optional) Display type 4 (asbr-summary) LSAs
external	(Optional) Display type 5 (external) LSAs
router	(Optional) Display router LSAs
nssa-external	(Optional) Display type 7 (NSSA external) LSAs
opaque-link	(Optional) Display Opaque Link-Local LSAs
opaque-area	(Optional) Display Opaque Area LSAs
opaque-as	(Optional) Display Opaque AS LSAs
summary	(Optional) Display type 3 (network-summary) LSAs
self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID

<i>adv-router-name</i>	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
<i>area</i>	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
<i>ext_tag</i>	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
<i>type</i>	(Optional) Opaque type
<i>router-information</i>	(Optional) Router Information (RI) Opaque LSA
<i>ext-prefix</i>	(Optional) Extended Prefix Opaque LSA
<i>ext-link</i>	(Optional) Extended Link Opaque LSA
<i>tag</i>	(Optional)
<i>__readonly__</i>	(Optional)
<i>TABLE_ctx</i>	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>TABLE_db2_lsa</i>	(Optional)
<i>name</i>	(Optional)
<i>area</i>	(Optional)
<i>id</i>	(Optional)
<i>advrtr</i>	(Optional)
<i>age</i>	(Optional)
<i>seqno</i>	(Optional)
<i>cksum</i>	(Optional)
<i>opaque_id</i>	(Optional)
<i>prefix</i>	(Optional)
<i>prefix_mask</i>	(Optional)
<i>srgb_base</i>	(Optional)
<i>srgb_range</i>	(Optional)

<i>corrupt</i>	(Optional)
<i>rtr_num_links</i>	(Optional)

Command Mode

- /exec

show ip ospf database database-summary

```
show ip ospf [ <tag> ] database database-summary [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
__readonly__ TABLE_ctx <rid> <ptag> <cname> [ TABLE_dbsum [ TABLE_dbsum_area <area> [
TABLE_dbsum_area_lsa <area_lsa_name> <area_lsa_count> ] <area_lsa_total> ] [ TABLE_dbsum_all [
TABLE_dbsum_lsa_all <lsa_name> <lsa_count> ] <non_self_lsa_total> <lsa_total> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
database	Link-state Database Summary
database-summary	Summary of database
<u>__readonly__</u>	(Optional)
TABLE_ctx	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_dbsum	(Optional)
TABLE_dbsum_area	(Optional)
<i>area</i>	(Optional)
TABLE_dbsum_area_lsa	(Optional)
<i>area_lsa_name</i>	(Optional)
<i>area_lsa_count</i>	(Optional)
<i>area_lsa_total</i>	(Optional)
TABLE_dbsum_all	(Optional)

TABLE_dbsum_lsa_all	(Optional)
<i>lsa_name</i>	(Optional)
<i>lsa_count</i>	(Optional)
<i>non_self_lsa_total</i>	(Optional)
<i>lsa_total</i>	(Optional)

Command Mode

- /exec

show ip ospf database detail

```
show ip ospf [ <tag> ] database [ [ [ network | asbr-summary | summary | router | opaque-link | opaque-area
[ type { router-information | ext-prefix | ext-link } ] | nssa-external ] [ area <area-id-ip> ] ] | external [ ext_tag
<tag_val> ] | opaque-as ] [ <lsid> ] [ self-originated | adv-router <advid> | adv-router-name <adv-name> ]
detail [ private ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <rid> <ptag>
<cname> [ TABLE_db2_lsa <name> [ <area> ] [ <rtr_max_metric> ] [ TABLE_lsdb <age> <maxage>
<options> <options_str> <wrapping> <dummy> <flush_pending> <type> <id> <id_str> [ <opaque_type> ]
[ <opaque_type_str> ] [ <opaque_id> ] [ <prefix> ] [ <prefix_mask> ] [ <srgb_base> ] [ <srgb_range> ]
<advtr> <seqno> <cksum> <len> [ <corrupt> ] [ <rtr_abr> ] [ <rtr_asbr> ] [ <rtr_translate> ] [ <rtr_vlink_end>
] [ <rtr_num_links> ] [ <rtr_links_mismatch> ] [ TABLE_rlsa [ <rtr_link_type> ] [ <rtr_link_id_str> ] [
<rtr_link_id> ] [ <rtr_link_data_str> ] [ <rtr_link_data> ] [ <rtr_link_num_tos> ] [ <rtr_link_metric> ] [
TABLE_rlinktos [ <rtr_link_tos_id> ] [ <rtr_link_tos_metric> ] ] [ <net_mask> ] [ TABLE_netlsa [ <net_rtr>
] ] [ <sum_mask> ] [ <sum_metric> ] [ TABLE_sumlsa [ <sum_tos_id> ] [ <sum_tos_metric> ] ] [ <nssa_mask>
] [ <nssa_metric_type2> ] [ <nssa_metric> ] [ <nssa_fwd_addr> ] [ <nssa_tag> ] [ TABLE_nssa [
<nssa_tos_metric_type2> ] [ <nssa_tos_id> ] [ <nssa_tos_metric> ] [ <nssa_tos_fwd_addr> ] [ <nssa_tos_tag>
] ] [ <asext_mask> ] [ <asext_metric_type2> ] [ <asext_metric> ] [ <asext_fwd_addr> ] [ <asext_tag> ] [
TABLE_asext [ <asext_tos_metric_type2> ] [ <asext_tos_id> <asext_tos_metric> ] [ <asext_tos_fwd_addr>
] [ <asext_tos_tag> ] ] [ <opaque_link_intf> ] [ <opaque_unknown> ] [ <opaque_data_len> ] [ <opaque_data>
] [ <opaque_corrupt> ] [ <tlv_type> ] [ <tlv_len> ] [ <tlv_data> ] [ <tlv_unknown> ] [ <gr_interval> ] [
<gr_reason> ] [ <gr_addr> ] [ <te_frag_id> ] [ <te_rtr_id> ] [ <te_link_type> ] [ <te_link_id> ] [
<te_link_metric> ] [ <te_link_max_bw> ] [ <te_link_rsv_bw> ] [ <te_link_unrsv_bw> ] [ <te_link_admin>
] [ <te_num_links> ] ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
database	Link-state Database Summary
network	(Optional) Display network LSAs
asbr-summary	(Optional) Display type 4 (asbr-summary) LSAs
external	(Optional) Display type 5 (external) LSAs
router	(Optional) Display router LSAs
nssa-external	(Optional) Display type 7 (NSSA external) LSAs

opaque-link	(Optional) Display Opaque Link-Local LSAs
opaque-area	(Optional) Display Opaque Area LSAs
opaque-as	(Optional) Display Opaque AS LSAs
summary	(Optional) Display type 3 (network-summary) LSAs
self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
ext_tag	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
type	(Optional) Opaque type
router-information	(Optional) Router Information (RI) Opaque LSA
ext-prefix	(Optional) Extended Prefix Opaque LSA
ext-link	(Optional) Extended Link Opaque LSA
detail	Display LSA in detail
private	(Optional) Developer-only statistics
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_db2_lsa	(Optional)
<i>name</i>	(Optional)
<i>area</i>	(Optional)
<i>rtr_max_metric</i>	(Optional)

TABLE_lsdb	(Optional)
<i>age</i>	(Optional)
<i>maxage</i>	(Optional)
<i>options</i>	(Optional)
<i>options_str</i>	(Optional)
<i>wrapping</i>	(Optional)
<i>dummy</i>	(Optional)
<i>flush_pending</i>	(Optional)
<i>type</i>	(Optional)
<i>id</i>	(Optional)
<i>id_str</i>	(Optional)
<i>opaque_type</i>	(Optional)
<i>opaque_type_str</i>	(Optional)
<i>opaque_id</i>	(Optional)
<i>prefix</i>	(Optional)
<i>prefix_mask</i>	(Optional)
<i>srgb_base</i>	(Optional)
<i>srgb_range</i>	(Optional)
<i>advrtr</i>	(Optional)
<i>seqno</i>	(Optional)
<i>cksum</i>	(Optional)
<i>len</i>	(Optional)
<i>corrupt</i>	(Optional)
<i>rtr_abr</i>	(Optional)
<i>rtr_asbr</i>	(Optional)
<i>rtr_translate</i>	(Optional)
<i>rtr_vlink_end</i>	(Optional)
<i>rtr_num_links</i>	(Optional)
<i>rtr_links_mismatch</i>	(Optional)

TABLE_rlsa	(Optional)
<i>rtr_link_type</i>	(Optional)
<i>rtr_link_id_str</i>	(Optional)
<i>rtr_link_id</i>	(Optional)
<i>rtr_link_data_str</i>	(Optional)
<i>rtr_link_data</i>	(Optional)
<i>rtr_link_num_tos</i>	(Optional)
<i>rtr_link_metric</i>	(Optional)
TABLE_rlinktos	(Optional)
<i>rtr_link_tos_id</i>	(Optional)
<i>rtr_link_tos_metric</i>	(Optional)
<i>net_mask</i>	(Optional)
TABLE_netlsa	(Optional)
<i>net_rtr</i>	(Optional)
<i>sum_mask</i>	(Optional)
<i>sum_metric</i>	(Optional)
TABLE_sumlsa	(Optional)
<i>sum_tos_id</i>	(Optional)
<i>sum_tos_metric</i>	(Optional)
<i>nssa_mask</i>	(Optional)
<i>nssa_metric_type2</i>	(Optional)
<i>nssa_metric</i>	(Optional)
<i>nssa_fwd_addr</i>	(Optional)
<i>nssa_tag</i>	(Optional)
TABLE_nssa	(Optional)
<i>nssa_tos_metric_type2</i>	(Optional)
<i>nssa_tos_id</i>	(Optional)
<i>nssa_tos_metric</i>	(Optional)
<i>nssa_tos_fwd_addr</i>	(Optional)

<i>nssa_tos_tag</i>	(Optional)
<i>asext_mask</i>	(Optional)
<i>asext_metric_type2</i>	(Optional)
<i>asext_metric</i>	(Optional)
<i>asext_fwd_addr</i>	(Optional)
<i>asext_tag</i>	(Optional)
TABLE_asext	(Optional)
<i>asext_tos_metric_type2</i>	(Optional)
<i>asext_tos_id</i>	(Optional)
<i>asext_tos_metric</i>	(Optional)
<i>asext_tos_fwd_addr</i>	(Optional)
<i>asext_tos_tag</i>	(Optional)
<i>opaque_link_intf</i>	(Optional)
<i>opaque_unknown</i>	(Optional)
<i>opaque_data_len</i>	(Optional)
<i>opaque_data</i>	(Optional)
<i>opaque_corrupt</i>	(Optional)
<i>tlv_type</i>	(Optional)
<i>tlv_len</i>	(Optional)
<i>tlv_data</i>	(Optional)
<i>tlv_unknown</i>	(Optional)
<i>gr_interval</i>	(Optional)
<i>gr_reason</i>	(Optional)
<i>gr_addr</i>	(Optional)
<i>te_frag_id</i>	(Optional)
<i>te_rtr_id</i>	(Optional)
<i>te_link_type</i>	(Optional)
<i>te_link_id</i>	(Optional)
<i>te_link_metric</i>	(Optional)

<i>te_link_max_bw</i>	(Optional)
<i>te_link_rsv_bw</i>	(Optional)
<i>te_link_unrsv_bw</i>	(Optional)
<i>te_link_admin</i>	(Optional)
<i>te_num_links</i>	(Optional)

Command Mode

- /exec

show ip ospf interface

```
show ip ospf [ <tag> ] interface [ <interface> | vrf { <vrf-name> | <vrf-known-name> | all } ] [ private ] [
__readonly__ TABLE_ctx <ptag> <cname> [ TABLE_intf <ifname> <admin_status> <proto_status> [
<unnumbered> ] <addr> [ <masklen> ] [ <parent_intf> ] <area> [ <if_cfg> ] <state_str> <type_str> <cost>
[ <bfd_enabled> ] [ <ldp_sync> ] [ <dc_enabled> ] [ <sid_index> ] [ <sid_n_flag_clear> ] [ <sid_exp_null>
] <index> [ <passive> ] [ <mpls> ] [ <transmit_delay> ] [ <if_priority> ] [ <dr_rid> ] [ <dr_addr> ] [ <bdr_rid>
] [ <bdr_addr> ] [ <nbr_total> ] [ <nbr_flood> ] [ <nbr_adj> ] [ <gr_nbr> ] [ <hello_interval> ] [
<dead_interval> ] [ <wait_interval> ] [ <rxmt_interval> ] [ <hello_timer> ] [ <wait_timer> ] [ <lsu_timer> ]
[ <lsack_timer> ] [ <auth_type> ] [ <keychain_name> ] [ <keychain_ready> ] [ <auth_md5_keyid> ] [
<auth_keyid> ] [ <auth_algo> ] [ <link_lsa_cnt> ] [ <link_lsa_crc> ] [ <multi_area_cnt> ] [ <multi_area_adj>
] [ <state_chg_cnt> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
interface	OSPF enabled interface
<i>interface</i>	(Optional) OSPF enabled interface
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_intf	(Optional)
<i>ifname</i>	(Optional)
<i>admin_status</i>	(Optional)
<i>proto_status</i>	(Optional)
<i>unnumbered</i>	(Optional)

<i>addr</i>	(Optional)
<i>masklen</i>	(Optional)
<i>parent_intf</i>	(Optional)
<i>area</i>	(Optional)
<i>if_cfg</i>	(Optional)
<i>state_str</i>	(Optional)
<i>type_str</i>	(Optional)
<i>cost</i>	(Optional)
<i>bfd_enabled</i>	(Optional)
<i>ldp_sync</i>	(Optional)
<i>dc_enabled</i>	(Optional)
<i>sid_index</i>	(Optional)
<i>sid_n_flag_clear</i>	(Optional)
<i>sid_exp_null</i>	(Optional)
<i>index</i>	(Optional)
<i>passive</i>	(Optional)
<i>mpls</i>	(Optional)
<i>transmit_delay</i>	(Optional)
<i>if_priority</i>	(Optional)
<i>dr_rid</i>	(Optional)
<i>dr_addr</i>	(Optional)
<i>bdr_rid</i>	(Optional)
<i>bdr_addr</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>nbr_flood</i>	(Optional)
<i>nbr_adj</i>	(Optional)
<i>gr_nbr</i>	(Optional)
<i>hello_interval</i>	(Optional)
<i>dead_interval</i>	(Optional)

<i>wait_interval</i>	(Optional)
<i>rxmt_interval</i>	(Optional)
<i>hello_timer</i>	(Optional)
<i>wait_timer</i>	(Optional)
<i>lsu_timer</i>	(Optional)
<i>lsack_timer</i>	(Optional)
<i>auth_type</i>	(Optional)
<i>keychain_name</i>	(Optional)
<i>keychain_ready</i>	(Optional)
<i>auth_md5_keyid</i>	(Optional)
<i>auth_keyid</i>	(Optional)
<i>auth_algo</i>	(Optional)
<i>link_lsa_cnt</i>	(Optional)
<i>link_lsa_crc</i>	(Optional)
<i>multi_area_cnt</i>	(Optional)
<i>multi_area_adj</i>	(Optional)
<i>state_chg_cnt</i>	(Optional)

Command Mode

- /exec

show ip ospf interface brief

```
show ip ospf [ <tag> ] interface brief [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
TABLE_ctx <ptag> <cname> <intf_count> TABLE_intf <ifname> <index> <area> <cost> <state_str>
<nbr_total> <admin_status> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
interface	OSPF enabled interface
brief	Display summary of OSPF interfaces
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>intf_count</i>	(Optional)
TABLE_intf	(Optional)
<i>ifname</i>	(Optional)
<i>index</i>	(Optional)
<i>area</i>	(Optional)
<i>cost</i>	(Optional)
<i>state_str</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>admin_status</i>	(Optional)

Command Mode

- /exec

- /exec

show ip ospf neighbors

```
show ip ospf [ <tag> ] neighbors [ { { <interface> [ <neighbor> | <neighbor-name> ] } | { [ <neighbor> |
<neighbor-name> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } ] [ __readonly__ TABLE_ctx <ptag>
<cname> <nbrcount> [ TABLE_nbr <rid> <priority> <state> <drstate> <uptime> <addr> <intf> [ <multiarea>
] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
<i>neighbor-name</i>	(Optional) DNS Name of the neighbor
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>nbrcount</i>	(Optional)
TABLE_nbr	(Optional)
<i>rid</i>	(Optional)
<i>priority</i>	(Optional)
<i>state</i>	(Optional)
<i>drstate</i>	(Optional)
<i>uptime</i>	(Optional)

<i>addr</i>	(Optional)
<i>intf</i>	(Optional)
<i>multiarea</i>	(Optional)

Command Mode

- /exec

show ip ospf neighbors detail

```
show ip ospf [ <tag> ] neighbors [ <interface> ] [ <neighbor> | <neighbor-name> ] detail [ vrf { <vrf-name>
| <vrf-known-name> | all } ] [ private ] [ __readonly__ TABLE_ctx <ptag> <cname> [ TABLE_nbr <rid>
<addr> <area> <intf> <state> <transition> <lastchange> [ <bfd_state> ] [ <priority> ] [ <ifid> ] [ <dr> ] [
<dc> ] [ <bdr> ] [ <master> ] [ <seqno> ] [ <dbdallsentacked> ] [ <dbdallsent> ] [ <dbdallacked> ] [
<lsaonreqlist> ] [ <lsafromlastreq> ] [ <lsreqrxmts> ] <helloptions> <dbdoptions> <lastnonhello> [ <deadtimer>
] [ <pacingtimer> ] [ <dbdrxmtimer> ] [ <reqrxmtimer> ] [ <lsutimer> ] [ <rerxmtimer> ] [ <fastrerxmtimer>
] [ <lsacktimer> ] [ <grtimer> ] [ <helpermode> ] [ <helpercand> ] [ <helperterm> ] [ <senddbd> ] [ <sendlsreq>
] [ <sendlsu> ] [ <sendlsurxmt> ] [ <sendlsack> ] [ <sendlsreqreply> ] [ <sradsid> ] [ <sradjflags> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
<i>neighbor-name</i>	(Optional) DNS Name of the neighbor
detail	Show detailed neighbor display
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_nbr	(Optional)
<i>rid</i>	(Optional)
<i>addr</i>	(Optional)

<i>area</i>	(Optional)
<i>intf</i>	(Optional)
<i>state</i>	(Optional)
<i>transition</i>	(Optional)
<i>lastchange</i>	(Optional)
<i>bfd_state</i>	(Optional)
<i>priority</i>	(Optional)
<i>ifid</i>	(Optional)
<i>dr</i>	(Optional)
<i>bdr</i>	(Optional)
<i>master</i>	(Optional)
<i>seqno</i>	(Optional)
<i>dbdallsentacked</i>	(Optional)
<i>dbdallsent</i>	(Optional)
<i>dbdallacked</i>	(Optional)
<i>lsaonreqlist</i>	(Optional)
<i>lsafromlastreq</i>	(Optional)
<i>lsreqrxmts</i>	(Optional)
<i>helloptions</i>	(Optional)
<i>dbdoptions</i>	(Optional)
<i>lastmonhello</i>	(Optional)
<i>deadtimer</i>	(Optional)
<i>paddingtimer</i>	(Optional)
<i>dbdrxmtimer</i>	(Optional)
<i>reqrxmtimer</i>	(Optional)
<i>lsutimer</i>	(Optional)
<i>rerxmtimer</i>	(Optional)
<i>fastrerxmtimer</i>	(Optional)
<i>lsacktimer</i>	(Optional)

<i>grtimer</i>	(Optional)
<i>helpermode</i>	(Optional)
<i>helpercand</i>	(Optional)
<i>helperterm</i>	(Optional)
<i>senddbd</i>	(Optional)
<i>sendlsreq</i>	(Optional)
<i>sendlsu</i>	(Optional)
<i>sendlsurxmt</i>	(Optional)
<i>sendlsack</i>	(Optional)
<i>sendlsreqreply</i>	(Optional)
<i>dc</i>	(Optional)
<i>sradjsid</i>	(Optional)
<i>sradjflags</i>	(Optional)

Command Mode

- /exec

show ip ospf neighbors summary

```
show ip ospf [ <tag> ] neighbors [ <interface> ] summary [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
__readonly__ TABLE_ctx <ptag> <cname> TABLE_intf { <ifname> | <total> } <down> <attempt> <init>
<twoway> <exstart> <exchange> <loading> <full> <if_total> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
summary	Summary of neighbors
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_intf	(Optional)
<i>ifname</i>	(Optional)
<i>total</i>	(Optional)
<i>down</i>	(Optional)
<i>attempt</i>	(Optional)
<i>init</i>	(Optional)
<i>twoway</i>	(Optional)
<i>exstart</i>	(Optional)
<i>exchange</i>	(Optional)

<i>loading</i>	(Optional)
<i>full</i>	(Optional)
<i>if_total</i>	(Optional)

Command Mode

- /exec

Command Mode

- /exec

show ip ospf retransmission-list

```
show ip ospf [ <tag> ] retransmission-list { <routerid> | <router-name> } <interface> [ __readonly__ [
TABLE_ctx <ptag> <cname> [ TABLE_rxmit <nbr_rid> <intf> <nbr_addr> [ <timer_running> ] [ <timer_due>
] ] [ TABLE_lsa [ <type> ] [ <lsid> ] [ <advrtr> ] [ <seqno> ] [ <cksum> ] [ <age> ] ] ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
retransmission-list	Link state retransmission list
<i>routerid</i>	Neighbor router ID
<i>router-name</i>	DNS Name of the router
<i>interface</i>	OSPF enabled interface
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_rxmit	(Optional)
<i>nbr_rid</i>	(Optional)
<i>intf</i>	(Optional)
<i>nbr_addr</i>	(Optional)
<i>timer_running</i>	(Optional)
<i>timer_due</i>	(Optional)
TABLE_lsa	(Optional)
<i>type</i>	(Optional)
<i>lsid</i>	(Optional)
<i>advrtr</i>	(Optional)
<i>seqno</i>	(Optional)
<i>cksum</i>	(Optional)

<i>age</i>	(Optional)
------------	------------

Command Mode

- /exec

show ip ospf route

```
show ip ospf [ <tag> ] route [ <ip-addr> | <ip-prefix> [ longer-prefixes ] ] [ all_routes ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> [ <hdr_addr> ] [ <hdr_masklen> ]
[ TABLE_route <addr> <masklen> <type> [ <in_ulib> ] <in_rib> <direct> [ <area> ] [ <tag> ] [ <sid> ] [
<in_label> ] [ <vlink_unresolved> ] [ TABLE_route_ubest_nh [ <ubest_nh_addr> ] [ <ubest_nh_intf> ] [
<ubest_cost> ] [ <distance> ] [ <ubest_nh_direct> ] [ <ubest_nh_sham_link> ] [ <ubest_nh_te_tun> ] [
<ubest_nh_in_rib> ] [ <out_label> ] ] [ TABLE_route_mbest_nh [ <mbest_nh_addr> ] [ <mbest_nh_intf> ]
[ <mbest_cost> ] [ <mbest_nh_direct> ] [ <mbest_nh_in_rib> ] ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
route	Internal OSPF routes
<i>ip-addr</i>	(Optional) Show single OSPF route
<i>ip-prefix</i>	(Optional) Show single exact match OSPF route
longer-prefixes	(Optional) Show exact match and more specific routes
all_routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>hdr_addr</i>	(Optional)
<i>hdr_masklen</i>	(Optional)
TABLE_route	(Optional)
<i>addr</i>	(Optional)

<i>masklen</i>	(Optional)
<i>type</i>	(Optional)
<i>in_ulib</i>	(Optional)
<i>in_rib</i>	(Optional)
<i>direct</i>	(Optional)
<i>area</i>	(Optional)
<i>sid</i>	(Optional)
<i>in_label</i>	(Optional)
<i>vlink_unresolved</i>	(Optional)
TABLE_route_ubest_nh	(Optional)
<i>ubest_nh_addr</i>	(Optional)
<i>ubest_nh_intf</i>	(Optional)
<i>ubest_cost</i>	(Optional)
<i>distance</i>	(Optional)
<i>ubest_nh_direct</i>	(Optional)
<i>ubest_nh_sham_link</i>	(Optional)
<i>ubest_nh_te_tun</i>	(Optional)
<i>ubest_nh_in_rib</i>	(Optional)
<i>out_label</i>	(Optional)
TABLE_route_mbest_nh	(Optional)
<i>mbest_nh_addr</i>	(Optional)
<i>mbest_nh_intf</i>	(Optional)
<i>mbest_cost</i>	(Optional)
<i>mbest_nh_direct</i>	(Optional)
<i>mbest_nh_in_rib</i>	(Optional)

Command Mode

- /exec

show ip ospf route summary

```
show ip ospf [ <tag> ] route [ <ip-prefix> [ longer-prefixes ] ] summary [ vrf { <vrf-name> | <vrf-known-name>
| all } ] [ __readonly__ TABLE_ctx <ptag> <cname> [ TABLE_route <total_routes> <total_paths> [
TABLE_route_type <path_type> <path_routes> <path_paths> ] [ TABLE_route_masklen <masklen>
<masklen_routes> <masklen_paths> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
route	Internal OSPF routes
<i>ip-prefix</i>	(Optional) Show single exact match OSPF route
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_route	(Optional)
<i>total_routes</i>	(Optional)
<i>total_paths</i>	(Optional)
TABLE_route_type	(Optional)
<i>path_type</i>	(Optional)
<i>path_routes</i>	(Optional)
<i>path_paths</i>	(Optional)

TABLE_route_masklen	(Optional)
<i>masklen</i>	(Optional)
<i>masklen_routes</i>	(Optional)
<i>masklen_paths</i>	(Optional)

Command Mode

- /exec

show ip ospf segment-routing adj-sid-database

```
show ip ospf [ <tag> ] segment-routing adj-sid-database [ detail ] [ __readonly__ TABLE_ctx <rid> <ptag>
<cname> [ { TABLE_segrt_adj_sid_db <sid_val> <nbr_id> <nbr_addr> <intf> [ <flags> ] [ <lsa> } ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
segment-routing	Segment-Routing information
adj-sid-database	Adjacency SID Database
detail	(Optional) Detailed Information
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_segrt_adj_sid_db	(Optional)
<i>sid_val</i>	(Optional)
<i>nbr_id</i>	(Optional)
<i>nbr_addr</i>	(Optional)
<i>intf</i>	(Optional)
<i>flags</i>	(Optional)
<i>lsa</i>	(Optional)

Command Mode

- /exec

show ip ospf segment-routing global-block

```
show ip ospf [ <tag> ] segment-routing global-block [ <adv-rtr> ] [ detail ] [ __readonly__ TABLE_ctx <rid>
<ptag> <cname> [ { TABLE_segrt_global_block <area> <adv_router_id> <SR_capable> <SR_algo>
<SRGB_base> <SRGB_range> [ <ril_area> ] [ <lsa> } ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
segment-routing	Segment-Routing information
global-block	Global Block
<i>adv-rtr</i>	(Optional) Advertising Router ID
detail	(Optional) Detailed Information
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_segrt_global_block	(Optional)
<i>adv_router_id</i>	(Optional)
<i>SR_capable</i>	(Optional)
<i>SR_algo</i>	(Optional)
<i>SRGB_base</i>	(Optional)
<i>SRGB_range</i>	(Optional)
<i>area</i>	(Optional)
<i>ril_area</i>	(Optional)
<i>lsa</i>	(Optional)

Command Mode

- /exec

show ip ospf segment-routing sid-database

```
show ip ospf [ <tag> ] segment-routing sid-database [ <sid-id> ] [ detail ] [ __readonly__ TABLE_ctx <rid>
<ptag> <cname> [ { TABLE_segrt_sid_db <sid_val> <prefix> <prefix_mask> <own_prefix> [
<adv_rtr_vtx_reachable> ] [ <sid_conflict> ] [ <area> ] [ <route_type> ] [ <pfx_flags> ] [ <sid_flags> ] [
<lsa> ] [ <lsa_ref_count> } } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
segment-routing	Segment-Routing information
sid-database	SID Database
<i>sid-id</i>	(Optional) SID value
detail	(Optional) Detailed Information
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_segrt_sid_db	(Optional)
<i>sid_val</i>	(Optional)
<i>prefix</i>	(Optional)
<i>prefix_mask</i>	(Optional)
<i>own_prefix</i>	(Optional)
<i>adv_rtr_vtx_reachable</i>	(Optional)
<i>sid_conflict</i>	(Optional)
<i>area</i>	(Optional)
<i>route_type</i>	(Optional)
<i>pfx_flags</i>	(Optional)

<i>sid_flags</i>	(Optional)
<i>lsa</i>	(Optional)
<i>lsa_ref_count</i>	(Optional)

Command Mode

- /exec

show ip ospf sham-links

```
show ip ospf [ <tag> ] sham-links [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx
<ptag> <cname> [ TABLE_slink <name> <if_state> [ <unnumbered> ] <addr> [ <masklen> ] [ <parent_intf>
] <area> [ <if_cfg> ] <state_str> <type_str> <cost> [ <bfd_enabled> ] [ <ldp_sync> ] [ <dc_enabled> ] [
<sid_index> <sid_n_flag_clear> <sid_exp_null> ] <index> [ [ <passive> ] [ <mpls> ] [ <transmit_delay> ]
[ <if_priority> [ <dr_rid> <dr_addr> ] [ <bdr_rid> <bdr_addr> ] ] <nbr_total> <nbr_flood> <nbr_adj> [
<gr_nbr> ] <hello_interval> <dead_interval> <wait_interval> <rxmt_interval> [ <hello_timer> ] [ <wait_timer>
] [ <lsu_timer> ] [ <lsack_timer> ] <auth_type> [ <keychain_name> <keychain_ready> ] [ <auth_md5_keyid>
] [ <auth_keyid> <auth_algo> ] <link_lsa_cnt> <link_lsa_crc> ] [ <dest_ip> ] [ TABLE_nbr <rid> <addr>
<area> <intf> <state> <transition> <lastchange> [ <bfd_state> ] [ <priority> [ <ifid> ] [ <dr> ] [ <bdr> ] ] [
<master> <seqno> <dbdallsentacked> <dbdallsent> <dbdallacked> ] [ <lsaonreqlist> <lsafromlastreq>
<lsreqrxmts> ] <helloptions> <dbdoptions> <lastnonhello> [ <deadtimer> ] [ <pacingtmer> ] [ <dbdrxmtimer>
] [ <reqrxtimer> ] [ <lsutimer> ] [ <rerxmtimer> ] [ <fastrextimer> ] [ <lsacktimer> ] [ <grtimer> ] [
<helpermode> ] [ <helpercand> ] [ <helperterm> ] [ <senddbd> ] [ <sendlsreq> ] [ <sendlsu> ] [ <sendlsurxmt>
] [ <sendlsack> ] [ <sendlsreqreply> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
sham-links	Sham link information
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_slink	(Optional)
name	(Optional)
if_state	(Optional)
unnumbered	(Optional)
addr	(Optional)

<i>masklen</i>	(Optional)
<i>parent_intf</i>	(Optional)
<i>area</i>	(Optional)
<i>if_cfg</i>	(Optional)
<i>state_str</i>	(Optional)
<i>type_str</i>	(Optional)
<i>cost</i>	(Optional)
<i>bfd_enabled</i>	(Optional)
<i>ldp_sync</i>	(Optional)
<i>dc_enabled</i>	(Optional)
<i>sid_index</i>	(Optional)
<i>sid_n_flag_clear</i>	(Optional)
<i>sid_exp_null</i>	(Optional)
<i>index</i>	(Optional)
<i>passive</i>	(Optional)
<i>mpls</i>	(Optional)
<i>transmit_delay</i>	(Optional)
<i>if_priority</i>	(Optional)
<i>dr_rid</i>	(Optional)
<i>dr_addr</i>	(Optional)
<i>bdr_rid</i>	(Optional)
<i>bdr_addr</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>nbr_flood</i>	(Optional)
<i>nbr_adj</i>	(Optional)
<i>gr_nbr</i>	(Optional)
<i>hello_interval</i>	(Optional)
<i>dead_interval</i>	(Optional)
<i>wait_interval</i>	(Optional)

<i>rxmt_interval</i>	(Optional)
<i>hello_timer</i>	(Optional)
<i>wait_timer</i>	(Optional)
<i>lsu_timer</i>	(Optional)
<i>lsack_timer</i>	(Optional)
<i>auth_type</i>	(Optional)
<i>keychain_name</i>	(Optional)
<i>keychain_ready</i>	(Optional)
<i>auth_md5_keyid</i>	(Optional)
<i>auth_keyid</i>	(Optional)
<i>auth_algo</i>	(Optional)
<i>link_lsa_cnt</i>	(Optional)
<i>link_lsa_crc</i>	(Optional)
<i>dest_ip</i>	(Optional)
TABLE_nbr	(Optional)
<i>rid</i>	(Optional)
<i>addr</i>	(Optional)
<i>area</i>	(Optional)
<i>intf</i>	(Optional)
<i>state</i>	(Optional)
<i>transition</i>	(Optional)
<i>lastchange</i>	(Optional)
<i>bfd_state</i>	(Optional)
<i>priority</i>	(Optional)
<i>ifid</i>	(Optional)
<i>dr</i>	(Optional)
<i>bdr</i>	(Optional)
<i>master</i>	(Optional)
<i>seqno</i>	(Optional)

<i>dbdallsentacked</i>	(Optional)
<i>dbdallsent</i>	(Optional)
<i>dbdallacked</i>	(Optional)
<i>lsaonreqlist</i>	(Optional)
<i>lsafromlastreq</i>	(Optional)
<i>lsreqrxmts</i>	(Optional)
<i>helloptions</i>	(Optional)
<i>dbdoptions</i>	(Optional)
<i>lastnonhello</i>	(Optional)
<i>deadtimer</i>	(Optional)
<i>pacingtimer</i>	(Optional)
<i>dbdrxmtimer</i>	(Optional)
<i>reqrxmtimer</i>	(Optional)
<i>lsutimer</i>	(Optional)
<i>rerxmtimer</i>	(Optional)
<i>fastrerxmtimer</i>	(Optional)
<i>lsacktimer</i>	(Optional)
<i>grtimer</i>	(Optional)
<i>helpermode</i>	(Optional)
<i>helpercand</i>	(Optional)
<i>helperterm</i>	(Optional)
<i>senddbd</i>	(Optional)
<i>sendlsreq</i>	(Optional)
<i>sendlsu</i>	(Optional)
<i>sendlsurxmt</i>	(Optional)
<i>sendlsack</i>	(Optional)
<i>sendlsreqreply</i>	(Optional)

Command Mode

- /exec

show ip ospf sham-links brief

```
show ip ospf [ <tag> ] sham-links brief [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
TABLE_ctx <ptag> <cname> <count> [ TABLE_slink <src_ip> <dest_ip> <ifnum> <area> <cost> <if_state>
]]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
sham-links	Sham link information
brief	Display summary of OSPF sham links
<u>__readonly__</u>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>count</i>	(Optional)
TABLE_slink	(Optional)
<i>src_ip</i>	(Optional)
<i>dest_ip</i>	(Optional)
<i>ifnum</i>	(Optional)
<i>area</i>	(Optional)
<i>cost</i>	(Optional)
<i>if_state</i>	(Optional)

Command Mode

- /exec

show ip ospf statistics

```
show ip ospf [ <tag> ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_stats
<ptag> <cname> <last_clear> <rid_change> <dr_elections> <kstack_reg_dereg_errors> <older_lsa_rcv>
<nbr_state_change> <nbr_dead_postpone> <nbr_dead_expire> <nbr_bad_lsreq> <nbr_seqno_mismatch>
<spf_full> <spf_summary> <spf_external> <spf_extsummary> <rtr_generate> <rtr_refresh> <rtr_flush>
<rtr_other_flush> <net_generate> <net_refresh> <net_flush> <net_other_flush> <sum_generate>
<sum_refresh> <sum_flush> <sum_other_flush> <asbr_generate> <asbr_refresh> <asbr_flush>
<asbr_other_flush> <asext_generate> <asext_refresh> <asext_flush> <asext_other_flush>
<opaque_link_generate> <opaque_link_refresh> <opaque_link_flush> <opaque_link_other_flush>
<opaque_area_generate> <opaque_area_refresh> <opaque_area_flush> <opaque_area_other_flush>
<opaque_as_generate> <opaque_as_refresh> <opaque_as_flush> <opaque_as_other_flush> <limbo_lsa_count>
<limbo_lsa_hwm> <limbo_lsa_deleted> <limbo_lsa_revived> <limbo_runs> <limbo_lsa_last_time_hwm>
[ <limbo_timer> ] <helloq_size> <helloq_max_size> <helloq_hwm> <helloq_drops> <helloq_last_hwm_time>
<floodq_size> <floodq_max_size> <floodq_hwm> <floodq_drops> <floodq_last_hwm_time> <lsdb_add_fail>
[ TABLE_buffer_detail [ <buf_size> ] [ <buf_size_huge> ] <buf_in_use> <buf_hwm> <buf_perm> <buf_alloc>
<buf_free> ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Event counters
__readonly__	(Optional)
TABLE_stats	(Optional)
ptag	(Optional)
cname	(Optional)
last_clear	(Optional)
rid_change	(Optional)
dr_elections	(Optional)
kstack_reg_dereg_errors	(Optional)

<i>older_lsa_rcv</i>	(Optional)
<i>nbr_state_change</i>	(Optional)
<i>nbr_dead_postpone</i>	(Optional)
<i>nbr_dead_expire</i>	(Optional)
<i>nbr_bad_lsreq</i>	(Optional)
<i>nbr_seqno_mismatch</i>	(Optional)
<i>spf_full</i>	(Optional)
<i>spf_summary</i>	(Optional)
<i>spf_external</i>	(Optional)
<i>spf_extsummary</i>	(Optional)
<i>rtr_generate</i>	(Optional)
<i>rtr_refresh</i>	(Optional)
<i>rtr_flush</i>	(Optional)
<i>rtr_other_flush</i>	(Optional)
<i>net_generate</i>	(Optional)
<i>net_refresh</i>	(Optional)
<i>net_flush</i>	(Optional)
<i>net_other_flush</i>	(Optional)
<i>sum_generate</i>	(Optional)
<i>sum_refresh</i>	(Optional)
<i>sum_flush</i>	(Optional)
<i>sum_other_flush</i>	(Optional)
<i>asbr_generate</i>	(Optional)
<i>asbr_refresh</i>	(Optional)
<i>asbr_flush</i>	(Optional)
<i>asbr_other_flush</i>	(Optional)
<i>asext_generate</i>	(Optional)
<i>asext_refresh</i>	(Optional)
<i>asext_flush</i>	(Optional)

<i>asext_other_flush</i>	(Optional)
<i>opaque_link_generate</i>	(Optional)
<i>opaque_link_refresh</i>	(Optional)
<i>opaque_link_flush</i>	(Optional)
<i>opaque_link_other_flush</i>	(Optional)
<i>opaque_area_generate</i>	(Optional)
<i>opaque_area_refresh</i>	(Optional)
<i>opaque_area_flush</i>	(Optional)
<i>opaque_area_other_flush</i>	(Optional)
<i>opaque_as_generate</i>	(Optional)
<i>opaque_as_refresh</i>	(Optional)
<i>opaque_as_flush</i>	(Optional)
<i>opaque_as_other_flush</i>	(Optional)
<i>limbo_lsa_count</i>	(Optional)
<i>limbo_lsa_hwm</i>	(Optional)
<i>limbo_lsa_deleted</i>	(Optional)
<i>limbo_lsa_revived</i>	(Optional)
<i>limbo_runs</i>	(Optional)
<i>limbo_lsa_last_time_hwm</i>	(Optional)
<i>limbo_timer</i>	(Optional)
<i>helloq_size</i>	(Optional)
<i>helloq_max_size</i>	(Optional)
<i>helloq_hwm</i>	(Optional)
<i>helloq_drops</i>	(Optional)
<i>helloq_last_hwm_time</i>	(Optional)
<i>floodq_size</i>	(Optional)
<i>floodq_max_size</i>	(Optional)
<i>floodq_hwm</i>	(Optional)
<i>floodq_drops</i>	(Optional)

<i>floodq_last_hwm_time</i>	(Optional)
<i>lsdb_add_fail</i>	(Optional)
TABLE_buffer_detail	(Optional)
<i>buf_size</i>	(Optional)
<i>buf_size_huge</i>	(Optional)
<i>buf_in_use</i>	(Optional)
<i>buf_hwm</i>	(Optional)
<i>buf_perm</i>	(Optional)
<i>buf_alloc</i>	(Optional)
<i>buf_free</i>	(Optional)

Command Mode

- /exec

show ip ospf summary-address

```
show ip ospf [ <tag> ] summary-address [ private ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
__readonly__ [ TABLE_ctx <ptag> <cname> <rid> [ TABLE_sum <addr> <masklen> [ <metric> ] [ <tag>
] [ <pending> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
summary-address	Summary-address redistribution information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>rid</i>	(Optional)
TABLE_sum	(Optional)
<i>addr</i>	(Optional)
<i>masklen</i>	(Optional)
<i>metric</i>	(Optional)
<i>pending</i>	(Optional)

Command Mode

- /exec

show ip ospf traffic

```
show ip ospf [ <tag> ] traffic [ <interface> [ detail ] [ detail ] [ detail ] vrf { <vrf-name> | <vrf-known-name>
| all } ] [ __readonly__ TABLE_traf <ptag> <cname> <last_clear> [ <ifname> ] <pkt_in> <pkt_out>
<lsu_first_trans> <lsu_retrans> <lsu_for_lsreq> <lsu_nbr_trans> <throttle_out> <throttle_out_token>
<throttle_out_ip> <lsa_ignored> <lsa_dropped_spf> <lsa_dropped_gr> <pkt_drops_in> <pkt_drops_out>
<pkt_errors_in> <pkt_errors_out> <hello_errors_in> <dbds_errors_in> <lsreqs_errors_in> <lsus_errors_in>
<lsacks_errors_in> <pkt_unknown_in> <pkt_unknown_out> <pkt_no_ospf_intf> <bad_version> <bad_crc>
<dup_rtr_id> <dup_src_addr> <invalid_src_addr> <invalid_dst_addr> <non_existing_nbr> <pkt_passive_intf>
<wrong_area> <invalid_pkt_len> <nbr_changed_routerid_ipaddr> <nbr_changed_interfaceid> <bad_auth>
[ <pkt_no_vrf> ] [ <bad_reserved> ] [ <kstack_errors_in> ] <hellos_in> <dbds_in> <lsreqs_in> <lsus_in>
<lsacks_in> <hellos_out> <dbds_out> <lsreqs_out> <lsus_out> <lsacks_out> [ <hellos_in_hq> <dbds_in_hq>
<lsreqs_in_flq> <lsus_in_flq> <lsacks_in_flq> <lsas_in_dbds_in> <lsas_in_lsreqs_in> <lsas_in_lsus_in>
<lsas_in_lsacks_in> <lsas_in_dbds_out> <lsas_in_lsreqs_out> <lsas_in_lsus_out> <lsas_in_lsacks_out>
<lsas_in_rxmt_lsus_out> ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
<i>interface</i>	(Optional) OSPF enabled interface
detail	(Optional) Display detailed information
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
traffic	Packet counters
<i>__readonly__</i>	(Optional)
TABLE_traf	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>last_clear</i>	(Optional)
<i>ifname</i>	(Optional)
<i>pkt_in</i>	(Optional)

<i>pkt_out</i>	(Optional)
<i>lsu_first_trans</i>	(Optional)
<i>lsu_retrans</i>	(Optional)
<i>lsu_for_lsreq</i>	(Optional)
<i>lsu_nbr_trans</i>	(Optional)
<i>throttle_out</i>	(Optional)
<i>throttle_out_token</i>	(Optional)
<i>throttle_out_ip</i>	(Optional)
<i>lsa_ignored</i>	(Optional)
<i>lsa_dropped_spf</i>	(Optional)
<i>lsa_dropped_gr</i>	(Optional)
<i>pkt_drops_in</i>	(Optional)
<i>pkt_drops_out</i>	(Optional)
<i>pkt_errors_in</i>	(Optional)
<i>pkt_errors_out</i>	(Optional)
<i>hello_errors_in</i>	(Optional)
<i>dbds_errors_in</i>	(Optional)
<i>lsreqs_errors_in</i>	(Optional)
<i>lsus_errors_in</i>	(Optional)
<i>lsacks_errors_in</i>	(Optional)
<i>pkt_unknown_in</i>	(Optional)
<i>pkt_unknown_out</i>	(Optional)
<i>pkt_no_ospf_intf</i>	(Optional)
<i>bad_version</i>	(Optional)
<i>bad_crc</i>	(Optional)
<i>dup_rtr_id</i>	(Optional)
<i>dup_src_addr</i>	(Optional)
<i>invalid_src_addr</i>	(Optional)
<i>invalid_dst_addr</i>	(Optional)

<i>non_existing_nbr</i>	(Optional)
<i>pkt_passive_intf</i>	(Optional)
<i>wrong_area</i>	(Optional)
<i>invalid_pkt_len</i>	(Optional)
<i>nbr_changed_routerid_ipaddr</i>	(Optional)
<i>nbr_changed_interfaceid</i>	(Optional)
<i>bad_auth</i>	(Optional)
<i>bad_reserved</i>	(Optional)
<i>kstack_errors_in</i>	(Optional)
<i>pkt_no_vrf</i>	(Optional)
<i>hellos_in</i>	(Optional)
<i>dbds_in</i>	(Optional)
<i>lsreqs_in</i>	(Optional)
<i>lsus_in</i>	(Optional)
<i>lsacks_in</i>	(Optional)
<i>hellos_out</i>	(Optional)
<i>dbds_out</i>	(Optional)
<i>lsreqs_out</i>	(Optional)
<i>lsus_out</i>	(Optional)
<i>lsacks_out</i>	(Optional)
<i>hellos_in_hq</i>	(Optional)
<i>dbds_in_hq</i>	(Optional)
<i>lsreqs_in_flq</i>	(Optional)
<i>lsus_in_flq</i>	(Optional)
<i>lsacks_in_flq</i>	(Optional)
<i>lsas_in_dbds_in</i>	(Optional)
<i>lsas_in_lsreqs_in</i>	(Optional)
<i>lsas_in_lsus_in</i>	(Optional)
<i>lsas_in_lsacks_in</i>	(Optional)

<i>lsas_in_dbds_out</i>	(Optional)
<i>lsas_in_lsreqs_out</i>	(Optional)
<i>lsas_in_lsus_out</i>	(Optional)
<i>lsas_in_lsacks_out</i>	(Optional)
<i>lsas_in_rxmt_lsus_out</i>	(Optional)

Command Mode

- /exec

show ip ospf virtual-links

```
show ip ospf [ <tag> ] virtual-links [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx
<ptag> <cname> [ TABLE_vlink <name> <nbr_rid> <if_state> <transit_area> <nh_intf> <nbr_addr> [
<transit_area_stub> ] [ <transit_area_nssa> ] <addr> [ <masklen> ] <area> [ <if_cfg> ] <state_str> <type_str>
<cost> <index> [ <passive> ] [ <mpls> ] [ <transmit_delay> ] [ <if_priority> ] [ <dr_rid> ] [ <dr_addr> ] [
<bdr_rid> ] [ <bdr_addr> ] [ <nbr_total> ] [ <nbr_flood> ] [ <nbr_adj> ] [ <gr_nbr> ] [ <hello_interval> ] [
<dead_interval> ] [ <wait_interval> ] [ <rxmt_interval> ] [ <hello_timer> ] [ <wait_timer> ] [ <pacing_timer>
] [ <lsu_timer> ] [ <lsack_timer> ] [ <netlsa_throt_timer> ] [ <auth_type> ] [ <keychain_name> ] [
<keychain_ready> ] [ <auth_md5_keyid> ] [ <link_lsa_cnt> ] [ <link_lsa_crc> ] [ <dc_enabled> ] [ <state>
] [ <transition> ] [ <lastchange> ] [ <priority> ] [ <ifid> ] [ <dr> ] [ <bdr> ] [ <master> ] [ <seqno> ] [
<dbdallsentacked> ] [ <dbdallsent> ] [ <dbdallacked> ] [ <lsaonreqlist> ] [ <lsafromlastreq> ] [ <lsreqrxmts>
] [ <helloptions> ] [ <dbdoptions> ] [ <lastnonhello> ] [ <deadtimer> ] [ <pacingtimer> ] [ <dbdrxmtimer> ]
[ <reqrxmtimer> ] [ <lsutimer> ] [ <rerxmtimer> ] [ <fastrerxmtimer> ] [ <lsacktimer> ] [ <grtimer> ] [
<helpermode> ] [ <helpercand> ] [ <helperterm> ] [ <senddbd> ] [ <sendlsreq> ] [ <sendlsu> ] [ <sendlsurxmt>
] [ <sendlsack> ] [ <sendlsreqreply> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
virtual-links	Virtual link information
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_vlink	(Optional)
<i>name</i>	(Optional)
<i>nbr_rid</i>	(Optional)
<i>if_state</i>	(Optional)
<i>transit_area</i>	(Optional)

<i>nh_intf</i>	(Optional)
<i>dc_enabled</i>	(Optional)
<i>nbr_addr</i>	(Optional)
<i>transit_area_stub</i>	(Optional)
<i>transit_area_nssa</i>	(Optional)
<i>addr</i>	(Optional)
<i>masklen</i>	(Optional)
<i>area</i>	(Optional)
<i>if_cfg</i>	(Optional)
<i>state_str</i>	(Optional)
<i>type_str</i>	(Optional)
<i>cost</i>	(Optional)
<i>index</i>	(Optional)
<i>passive</i>	(Optional)
<i>mpls</i>	(Optional)
<i>transmit_delay</i>	(Optional)
<i>if_priority</i>	(Optional)
<i>dr_rid</i>	(Optional)
<i>dr_addr</i>	(Optional)
<i>bdr_rid</i>	(Optional)
<i>bdr_addr</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>nbr_flood</i>	(Optional)
<i>nbr_adj</i>	(Optional)
<i>gr_nbr</i>	(Optional)
<i>hello_interval</i>	(Optional)
<i>dead_interval</i>	(Optional)
<i>wait_interval</i>	(Optional)
<i>rxmt_interval</i>	(Optional)

<i>hello_timer</i>	(Optional)
<i>wait_timer</i>	(Optional)
<i>pacing_timer</i>	(Optional)
<i>lsu_timer</i>	(Optional)
<i>lsack_timer</i>	(Optional)
<i>netlsa_throt_timer</i>	(Optional)
<i>auth_type</i>	(Optional)
<i>keychain_name</i>	(Optional)
<i>keychain_ready</i>	(Optional)
<i>auth_md5_keyid</i>	(Optional)
<i>link_lsa_cnt</i>	(Optional)
<i>link_lsa_crc</i>	(Optional)
<i>state</i>	(Optional)
<i>transition</i>	(Optional)
<i>lastchange</i>	(Optional)
<i>priority</i>	(Optional)
<i>ifid</i>	(Optional)
<i>dr</i>	(Optional)
<i>bdr</i>	(Optional)
<i>master</i>	(Optional)
<i>seqno</i>	(Optional)
<i>dbdallsentacked</i>	(Optional)
<i>dbdallsent</i>	(Optional)
<i>dbdallacked</i>	(Optional)
<i>lsaonreqlist</i>	(Optional)
<i>lsafromlastreq</i>	(Optional)
<i>lsregrxmts</i>	(Optional)
<i>helloptions</i>	(Optional)
<i>dbdoptions</i>	(Optional)

<i>lastmonhello</i>	(Optional)
<i>deadtimer</i>	(Optional)
<i>pacingtimer</i>	(Optional)
<i>dbdrxmtimer</i>	(Optional)
<i>reqrxmtimer</i>	(Optional)
<i>lsutimer</i>	(Optional)
<i>rerxmtimer</i>	(Optional)
<i>fastrerxmtimer</i>	(Optional)
<i>lsacktimer</i>	(Optional)
<i>grtimer</i>	(Optional)
<i>helpermode</i>	(Optional)
<i>helpercand</i>	(Optional)
<i>helperterm</i>	(Optional)
<i>senddbd</i>	(Optional)
<i>sendlsreq</i>	(Optional)
<i>sendlsu</i>	(Optional)
<i>sendlsurxmt</i>	(Optional)
<i>sendlsack</i>	(Optional)
<i>sendlsreqreply</i>	(Optional)

Command Mode

- /exec

show ip ospf virtual-links brief

```
show ip ospf [ <tag> ] virtual-links brief [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
TABLE_ctx <ptag> <cname> <vlink_count> [ TABLE_vlink <nbr_rid> <vlink_num> <transit_area> <cost>
<if_state> ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
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
virtual-links	Virtual link information
brief	Display summary of OSPF virtual links
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>vlink_count</i>	(Optional)
TABLE_vlink	(Optional)
<i>nbr_rid</i>	(Optional)
<i>vlink_num</i>	(Optional)
<i>transit_area</i>	(Optional)
<i>cost</i>	(Optional)
<i>if_state</i>	(Optional)

Command Mode

- /exec

<i>mem-error</i>	(Optional)
<i>found</i>	(Optional)
TABLE_BSR	(Optional)
<i>rp-cand-count</i>	(Optional)
<i>rp-cand-interface</i>	(Optional)
<i>rp-cand-error</i>	(Optional)
<i>bsr-cand-count</i>	(Optional)
<i>bsr-cand-interface</i>	(Optional)
<i>bsr-cand-error</i>	(Optional)
TABLE_AUTORP	(Optional)
<i>rp-cand-count</i>	(Optional)
<i>rp-cand-interface</i>	(Optional)
<i>rp-cand-error</i>	(Optional)
<i>auto-cand-count</i>	(Optional)
<i>auto-cand-interface</i>	(Optional)
<i>auto-cand-error</i>	(Optional)

Command Mode

- /exec

TABLE_iod	(Optional)
<i>if-name</i>	(Optional)
<i>df-winner</i>	(Optional)
<i>df-state</i>	(Optional)
<i>winner-metric-pref</i>	(Optional)
<i>winner-metric</i>	(Optional)
<i>uptime</i>	(Optional)
<i>is-rpf</i>	(Optional)

Command Mode

- /exec

show ip pim fabric info

```
show ip pim fabric info [ __readonly__ <switch_role> <fabric_ctrl_addr> <peer_fabric_ctrl_infra>
<vpc_domain_id> <peer_fabric_ctrl_addr> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
fabric	Fabric functionality
info	show the fabric info
<i>__readonly__</i>	(Optional)
<i>switch_role</i>	(Optional)
<i>fabric_ctrl_addr</i>	(Optional)
<i>peer_fabric_ctrl_infra</i>	(Optional)
<i>vpc_domain_id</i>	(Optional)
<i>peer_fabric_ctrl_addr</i>	(Optional)

Command Mode

- /exec

show ip pim fabric legacy-vlans

show ip pim fabric legacy-vlans [__readonly__ TABLE_legacy_vlan <vlan_id>]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
fabric	Fabric functionality
legacy-vlans	Show legacy VLANs on this switch
__readonly__	(Optional)
TABLE_legacy_vlan	(Optional)
<i>vlan_id</i>	(Optional)

Command Mode

- /exec

show ip pim group-range

```
show ip pim group-range [ <group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [
TABLE_vrf <out-context> [ { TABLE_group <grp-addr> [ <invalid-grp> ] [ <action> ] [ <mode> ] [ <rp-addr>
] [ <sh-tree-only-range> ] [ <origin> ] } ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
group-range	Display the various group-ranges
<i>group</i>	(Optional) IP address of group to display
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>out-context</i>	(Optional)
TABLE_group	(Optional)
<i>invalid-grp</i>	(Optional)
<i>grp-addr</i>	(Optional)
<i>mode</i>	(Optional)
<i>rp-addr</i>	(Optional)
<i>sh-tree-only-range</i>	(Optional)
<i>action</i>	(Optional)
<i>origin</i>	(Optional)

Command Mode

- /exec

show ip pim host-proxy

show ip pim host-proxy [__readonly__ TABLE_intf <intf-name> <proxy-type>]

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
host-proxy	host-proxy
__readonly__	(Optional)
TABLE_intf	(Optional)
<i>intf-name</i>	(Optional)
<i>proxy-type</i>	(Optional)

Command Mode

- /exec

show ip pim interface

```
show ip pim interface [ <interface> ] [ brief ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ] [
serialize ] [ __readonly__ [ <is-pim-enabled> ] [ TABLE_vrf [ <out-context> ] [ TABLE_brief [ <if-name>
] [ <if-addr> ] [ <if-dr> ] [ <if-nbr-count> ] [ <if-is-border> ] ] [ TABLE_iod [ <if-name> ] [ <if-status> ] [
<cached_if_status> ] [ <if-addr-summary> ] [ <pim-dr-address> ] [ <dr-priority> ] [ <no-dr-priority> ] [
<nbr-cnt> ] [ <hello-interval-sec> ] [ <hello-interval-msec> ] [ <hello-timer> ] [ <holdtime-msec> ] [
<holdtime-sec> ] [ <if-conf-dr-priority> ] [ <if-conf-delay> ] [ <is-border> ] [ <genid> ] [ <isauth-config> ]
] [ <nbr-policy-name> ] [ <jp-in-policy-name> ] [ <jp-out-policy-name> ] [ <jp-interval> ] [ <jp-next-send> ]
] [ <pim-bfd-enabled> ] [ <is-passive> ] [ <is-pim-vpc-svi> ] [ <is-auto-enabled> ] [ <vpc-peer-nbr> ] [
<last-cleared> ] [ <hello-sent> ] [ <hello-rcvd> ] [ <hello-early-sent> ] [ <jp-sent> ] [ <jp-rcvd> ] [ <assert-sent>
] [ <assert-rcvd> ] [ <graft-sent> ] [ <graft-rcvd> ] [ <graft-ack-sent> ] [ <graft-ack-rcvd> ] [ <df-offer-sent>
] [ <df-offer-rcvd> ] [ <df-winner-sent> ] [ <df-winner-rcvd> ] [ <df-backoff-sent> ] [ <df-backoff-rcvd> ] [
<pass-sent> ] [ <pass-rcvd> ] [ <cksum-errors> ] [ <invalid-errors> ] [ <invalid-df-errors> ] [ <auth-failed>
] [ <pak-len-errors> ] [ <ver-errors> ] [ <pkts-self> ] [ <pkts-non-nbr> ] [ <pkts-on-passive> ] [ <jp-rcvd-on-rpf>
] [ <jp-rcvd-no-rp> ] [ <jp-rcvd-wrong-rp> ] [ <jp-rcvd-for-ssm> ] [ <jp-rcvd-for-bidir> ] [ <jp-in-policy-filter>
] [ <jp-out-policy-filter> ] [ <ecmp-redirect-sent> ] [ <ecmp-redirect-rcv> ] [ <is-border-router> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
interface	Display PIM interface related information
<i>interface</i>	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per interface
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
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
<i>is-pim-enabled</i>	(Optional)
TABLE_vrf	(Optional)
<i>out-context</i>	(Optional)
TABLE_brief	(Optional)

<i>if-name</i>	(Optional)
<i>if-addr</i>	(Optional)
<i>if-dr</i>	(Optional)
<i>if-nbr-count</i>	(Optional)
<i>if-is-border</i>	(Optional)
TABLE_iod	(Optional)
<i>if-name</i>	(Optional)
<i>if-status</i>	(Optional)
<i>cached_if_status</i>	(Optional)
<i>if-addr-summary</i>	(Optional)
<i>pim-dr-address</i>	(Optional)
<i>dr-priority</i>	(Optional)
<i>no-dr-priority</i>	(Optional)
<i>nbr-cnt</i>	(Optional)
<i>hello-interval-sec</i>	(Optional)
<i>hello-interval-msec</i>	(Optional)
<i>hello-timer</i>	(Optional)
<i>holdtime-msec</i>	(Optional)
<i>holdtime-sec</i>	(Optional)
<i>if-conf-dr-priority</i>	(Optional)
<i>if-conf-delay</i>	(Optional)
<i>is-border</i>	(Optional)
<i>genid</i>	(Optional)
<i>isauth-config</i>	(Optional)
<i>nbr-policy-name</i>	(Optional)
<i>jp-in-policy-name</i>	(Optional)
<i>jp-out-policy-name</i>	(Optional)
<i>jp-interval</i>	(Optional)
<i>jp-next-send</i>	(Optional)

<i>pim-bfd-enabled</i>	(Optional)
<i>is-passive</i>	(Optional)
<i>is-pim-vpc-svi</i>	(Optional)
<i>is-auto-enabled</i>	(Optional)
<i>vpc-peer-nbr</i>	(Optional)
<i>last-cleared</i>	(Optional)
<i>hello-sent</i>	(Optional)
<i>hello-rcvd</i>	(Optional)
<i>hello-early-sent</i>	(Optional)
<i>jp-sent</i>	(Optional)
<i>jp-rcvd</i>	(Optional)
<i>assert-sent</i>	(Optional)
<i>assert-rcvd</i>	(Optional)
<i>graft-sent</i>	(Optional)
<i>graft-rcvd</i>	(Optional)
<i>graft-ack-sent</i>	(Optional)
<i>graft-ack-rcvd</i>	(Optional)
<i>df-offer-sent</i>	(Optional)
<i>df-offer-rcvd</i>	(Optional)
<i>df-winner-sent</i>	(Optional)
<i>df-winner-rcvd</i>	(Optional)
<i>df-backoff-sent</i>	(Optional)
<i>df-backoff-rcvd</i>	(Optional)
<i>pass-sent</i>	(Optional)
<i>pass-rcvd</i>	(Optional)
<i>cksum-errors</i>	(Optional)
<i>invalid-errors</i>	(Optional)
<i>invalid-df-errors</i>	(Optional)
<i>auth-failed</i>	(Optional)

<i>pak-len-errors</i>	(Optional)
<i>ver-errors</i>	(Optional)
<i>pkts-self</i>	(Optional)
<i>pkts-non-nbr</i>	(Optional)
<i>pkts-on-passive</i>	(Optional)
<i>jp-rcvd-on-rpf</i>	(Optional)
<i>jp-rcvd-no-rp</i>	(Optional)
<i>jp-rcvd-wrong-rp</i>	(Optional)
<i>jp-rcvd-for-ssm</i>	(Optional)
<i>jp-rcvd-for-bidir</i>	(Optional)
<i>jp-in-policy-filter</i>	(Optional)
<i>jp-out-policy-filter</i>	(Optional)
<i>ecmp-redirect-sent</i>	(Optional)
<i>ecmp-redirect-rcv</i>	(Optional)
<i>is-border-router</i>	(Optional)

Command Mode

- /exec

show ip pim mdt

```
show ip pim mdt [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf <out_context>
<mti> <mti_status> <default_mdt_grp> <grp_mode> <asm_shared_tree> <mti_config_mtu> <mti_active_mtu>
<cfg_tunnel_src_if> <bgp_update_src_if> <hello_interval> <jp_interval> <data_mdt_join_interval>
<data_switchover_interval> <data_holddown_interval> <data_timeout_interval> <mdt_src> <mdt_src_if>
<bgp_rd> <bgp_rd_set> <send_join_count> <rcvd_join_count> [ { TABLE_data_mdt <grange_prefix>
<grange_mask_len> <data_grp_mode> <threshold> [ <policy_name> } ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
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>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
<i>mti</i>	(Optional)
<i>mti_status</i>	(Optional)
<i>default_mdt_grp</i>	(Optional)
<i>grp_mode</i>	(Optional)
<i>asm_shared_tree</i>	(Optional)
<i>mti_config_mtu</i>	(Optional)
<i>mti_active_mtu</i>	(Optional)
<i>cfg_tunnel_src_if</i>	(Optional)
<i>bgp_update_src_if</i>	(Optional)
<i>hello_interval</i>	(Optional)
<i>jp_interval</i>	(Optional)

<i>data_mdt_join_interval</i>	(Optional)
<i>data_switchover_interval</i>	(Optional)
<i>data_holddown_interval</i>	(Optional)
<i>data_timeout_interval</i>	(Optional)
<i>mdt_src</i>	(Optional)
<i>mdt_src_if</i>	(Optional)
<i>bgp_rd</i>	(Optional)
<i>bgp_rd_set</i>	(Optional)
<i>send_join_count</i>	(Optional)
<i>rcvd_join_count</i>	(Optional)
TABLE_data_mdt	(Optional)
<i>grange_prefix</i>	(Optional)
<i>grange_mask_len</i>	(Optional)
<i>data_grp_mode</i>	(Optional)
<i>threshold</i>	(Optional)
<i>policy_name</i>	(Optional)

Command Mode

- /exec

show ip pim mdt bgp

```
show ip pim mdt bgp [ mdt-source <src-addr> ] [ __readonly__ { TABLE_entry <bgp_rd> <mdt_src>
<mdt_grp> <local> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
bgp	Display BGP related information
mdt-source	(Optional) Source address of MVPN neighbor
<i>src-addr</i>	(Optional) Source Address
<i>__readonly__</i>	(Optional)
TABLE_entry	(Optional)
<i>bgp_rd</i>	(Optional)
<i>mdt_src</i>	(Optional)
<i>mdt_grp</i>	(Optional)
<i>local</i>	(Optional)

Command Mode

- /exec

show ip pim mdt history interval

```
show ip pim mdt history interval <min> [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
TABLE_vrf <out_context> [ { TABLE_entry <csrc> <cgrp> <psrc> <pgrp> <uptime> <send_count> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
history	Display MDT Data Join Send Histoy
interval	Display in specified interval
<i>min</i>	Minutes
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_entry	(Optional)
<i>csrc</i>	(Optional)
<i>cgrp</i>	(Optional)
<i>psrc</i>	(Optional)
<i>pgrp</i>	(Optional)
<i>uptime</i>	(Optional)
<i>send_count</i>	(Optional)

Command Mode

- /exec

show ip pim mdt receive

```
show ip pim mdt receive [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
[ <out_context> ] [ TABLE_entry [ <csrc> ] [ <cgrp> ] [ <psrc> ] [ <pgrp> ] [ <uptime> ] [ <expires> ] [
<recv_count> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
receive	Display Received Data Joins Information
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
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_entry	(Optional)
<i>csrc</i>	(Optional)
<i>cgrp</i>	(Optional)
<i>psrc</i>	(Optional)
<i>pgrp</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>recv_count</i>	(Optional)

Command Mode

- /exec

show ip pim mdt send

```
show ip pim mdt send [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<out_context> [ { TABLE_entry <csrc> <cgrp> <psrc> <pgrp> <uptime> <send_count> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
send	Display MDT Data Join Send Information
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
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_entry	(Optional)
<i>csrc</i>	(Optional)
<i>cgrp</i>	(Optional)
<i>psrc</i>	(Optional)
<i>pgrp</i>	(Optional)
<i>uptime</i>	(Optional)
<i>send_count</i>	(Optional)

Command Mode

- /exec

show ip pim neighbor

```
show ip pim neighbor { [ <interface> ] [ <address> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
detail | internal ] [ serialize ] [ __readonly__ [ TABLE_vrf <out-context> [ TABLE_neighbor
<nbr-addr><if-name><uptime><expires> [ <dr-priority> ] <bidir-capable><bfd-state> [
<longest-hello-intvl><non-hello-pkts> ] [ <ecmp-redirect-capable> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
neighbor	Display PIM neighbor related information
<i>interface</i>	(Optional) Display neighbors on single interface name
<i>address</i>	(Optional) IP address of single neighbor to display
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
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out-context</i>	(Optional)
TABLE_neighbor	(Optional)
<i>dr-priority</i>	(Optional)
<i>ecmp-redirect-capable</i>	(Optional)

Command Mode

- /exec

TABLE_timeoutlist	(Optional)
<i>timeoutoif-name</i>	(Optional)
<i>immediate-list-count</i>	(Optional)
TABLE_immediatelist	(Optional)
<i>immediateoif-name</i>	(Optional)
<i>immediate-timeout-list-count</i>	(Optional)
TABLE_immediatetimeoutlist	(Optional)
<i>immediatetimeoutoif-name</i>	(Optional)
<i>sgr-prune-list-count</i>	(Optional)
TABLE_sgrprunelist	(Optional)
<i>sgrprunelistoif-name</i>	(Optional)

Command Mode

- /exec

show ip pim policy statistics

```
show ip pim policy statistics { register-policy | allow-rp-policy | bsr { bsr-policy | rp-candidate-policy } |
auto-rp { rp-candidate-policy | mapping-agent-policy } } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
__readonly__ [ TABLE_vrf [ <vrf_name_stats> ] [ TABLE_routemap [ <name> ] [ <action> ] [ <seq_num>
] [ TABLE_cmd [ <command> ] [ <compare_count> ] [ <match_count> ] ] ] [ <total_accept_count> ] [
<total_reject_count> ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
register-policy	Statistics for Register policy
allow-rp-policy	Statistics for Allow RP policy
bsr	Bootstrap protocol RP-distribution policy
bsr-policy	Statistics for filtered BSR messages
rp-candidate-policy	Statistics for filtered RP candidate messages
auto-rp	Statistics for auto-rp messages
rp-candidate-policy	Statistics for filtered RP candidate messages
mapping-agent-policy	Statistics for filtered mapping agent messages
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>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf_name_stats</i>	(Optional)
TABLE_routemap	(Optional)
<i>name</i>	(Optional)
<i>action</i>	(Optional)

<i>seq_num</i>	(Optional)
TABLE_cmd	(Optional)
<i>command</i>	(Optional)
<i>compare_count</i>	(Optional)
<i>match_count</i>	(Optional)
<i>total_accept_count</i>	(Optional)
<i>total_reject_count</i>	(Optional)

Command Mode

- /exec

show ip pim policy statistics jp

```
show ip pim policy statistics { jp-policy | neighbor-policy } <interface> [ __readonly__ { TABLE_routemap
<name> <action> <seq_num> [ { TABLE_cmd <command> <compare_count> <match_count> } ] }
<total_accept_count> <total_reject_count> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
<i>interface</i>	Interface to display policy statistics for
<i>__readonly__</i>	(Optional)
TABLE_routemap	(Optional)
<i>name</i>	(Optional)
<i>action</i>	(Optional)
<i>seq_num</i>	(Optional)
TABLE_cmd	(Optional)
<i>command</i>	(Optional)
<i>compare_count</i>	(Optional)
<i>match_count</i>	(Optional)
<i>total_accept_count</i>	(Optional)
<i>total_reject_count</i>	(Optional)

Command Mode

- /exec

show ip pim route

```
show ip pim route [ [ <source> [ <group> ] ] | [ <group> [ <source> ] ] ] [ bitfield ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ serialize ] [ __readonly__ [ TABLE_vrf [ <context-name> ] [ <route-count> ] [
TABLE_one_route [ <mcast-addr> ] [ <rp-addr> ] [ <rp-local> ] [ <bidir> ] [ <sgexpire> ] [ <sgexpire> ]
[ <timeleft> ] [ <rp-bit> ] [ <register> ] [ <intf-name> ] [ <rpf-nbr-1> ] [ <rpf-nbr-addr> ] [ <oif-count> ] [
<oif-bf-str> ] [ <timeout-count> ] [ <timeout-bf-str> ] [ <immediate-count> ] [ <immediate-bf-str> ] [
<immediate-timeout-count> ] [ <immediate-timeout-bf-str> ] [ <sgr-prune-list-count> ] [ <sgr-prune-list-bf-str>
] [ <timeout-interval> ] [ <jp-holdtime-rndup> ] [ <mdt-encap-index> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
route	Display PIM specific route information
<i>group</i>	(Optional) Group address to display
<i>source</i>	(Optional) Source address to display
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>context-name</i>	(Optional)
<i>route-count</i>	(Optional)
TABLE_one_route	(Optional)
<i>mcast-addr</i>	(Optional)
<i>rp-addr</i>	(Optional)
<i>rp-local</i>	(Optional)
<i>bidir</i>	(Optional)
<i>sgexpire</i>	(Optional)

<i>sgrexpire</i>	(Optional)
<i>timeleft</i>	(Optional)
<i>rp-bit</i>	(Optional)
<i>register</i>	(Optional)
<i>intf-name</i>	(Optional)
<i>rpf-nbr-1</i>	(Optional)
<i>rpf-nbr-addr</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>oif-bf-str</i>	(Optional)
<i>timeout-count</i>	(Optional)
<i>timeout-bf-str</i>	(Optional)
<i>immediate-count</i>	(Optional)
<i>immediate-bf-str</i>	(Optional)
<i>immediate-timeout-count</i>	(Optional)
<i>immediate-timeout-bf-str</i>	(Optional)
<i>sgr-prune-list-count</i>	(Optional)
<i>sgr-prune-list-bf-str</i>	(Optional)
<i>timeout-interval</i>	(Optional)
<i>jp-holdtime-rndup</i>	(Optional)
<i>mdt-encap-index</i>	(Optional)

Command Mode

- /exec

show ip pim rp-hash

```
show ip pim rp-hash <group> [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ <out-context>
[ <rp-found> ] [ <is-rp-bsr-learnt> ] [ <out-group1> <rp-addr1> ] [ <out-group> <hash-length> <out-bsr> ]
[ { TABLE_rp <rp-addr> <hash> <isbest_hash> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
rp-hash	Display RP hash value for group
<i>group</i>	Group address for RP lookup
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
__readonly__	(Optional)
<i>out-context</i>	(Optional)
<i>rp-found</i>	(Optional)
<i>is-rp-bsr-learnt</i>	(Optional)
<i>out-group1</i>	(Optional)
<i>rp-addr1</i>	(Optional)
<i>out-group</i>	(Optional)
<i>hash-length</i>	(Optional)
<i>out-bsr</i>	(Optional)
TABLE_rp	(Optional)
<i>rp-addr</i>	(Optional)
<i>hash</i>	(Optional)
<i>isbest_hash</i>	(Optional)

Command Mode

- /exec

<i>is-bsr-local</i>	(Optional)
<i>bsr-is-local</i>	(Optional)
<i>bsr-priority</i>	(Optional)
<i>bsr-hash-masklen</i>	(Optional)
<i>bs-timer</i>	(Optional)
<i>bsr-uptime</i>	(Optional)
<i>bsr-expires</i>	(Optional)
<i>is-autorp-enabled</i>	(Optional)
<i>is-autorp-listen-only</i>	(Optional)
<i>is-autorp-forward-only</i>	(Optional)
<i>auto-rp-addr</i>	(Optional)
<i>autorp-cand-address</i>	(Optional)
<i>is-autorp-local</i>	(Optional)
<i>autorp-dis-timer</i>	(Optional)
<i>autorp-up-time</i>	(Optional)
<i>autorp-expire-time</i>	(Optional)
<i>rp-cand-policy-name</i>	(Optional)
<i>bsr-policy-name</i>	(Optional)
<i>rp-announce-policy-name</i>	(Optional)
<i>rp-discovery-policy-name</i>	(Optional)
TABLE_anycast_rp	(Optional)
<i>anycast-rp-addr</i>	(Optional)
TABLE_arp_rp	(Optional)
<i>arp-rp-addr</i>	(Optional)
<i>is-rpaddr-local</i>	(Optional)
TABLE_rp	(Optional)
<i>rp-addr</i>	(Optional)
<i>is-rp-local</i>	(Optional)
<i>df-ordinal</i>	(Optional)

<i>rp-uptime</i>	(Optional)
<i>rp-priority</i>	(Optional)
<i>is_autorp_source</i>	(Optional)
<i>is_bsr_source</i>	(Optional)
<i>is_static_source</i>	(Optional)
<i>rp-source</i>	(Optional)
<i>static-rp-group-map</i>	(Optional)
TABLE_grange	(Optional)
<i>grange-grp</i>	(Optional)
<i>grange-masklen</i>	(Optional)
<i>grange-is-deny</i>	(Optional)
<i>is-bidir-grp</i>	(Optional)
<i>autorp-expires</i>	(Optional)
<i>bsr-rp-expires</i>	(Optional)
<i>rp-owner-flags</i>	(Optional)
<i>bidir-ordinal</i>	(Optional)
<i>df-bits-recovered</i>	(Optional)
<i>rpf-nbr-address</i>	(Optional)
<i>metric</i>	(Optional)
<i>metric-preference</i>	(Optional)

Command Mode

- /exec

show ip pim statistics

```
show ip pim statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ serialize ] [ __readonly__ TABLE_vrf
<vrf-name> [ <uptime> <reg-sent> <reg-rcvd> <null-reg-sent> <null-reg-rcvd> <reg-stop-sent> <reg-stop-rcvd>
<reg-rcvd-not-rp> <reg-rcvd-for-ssm> <reg-rcvd-for-bidir> <bootstrap-sent> <bootstrap-rcvd> <cand-rp-sent>
<cand-rp-rcvd> <bs-no-nbr> <bs-border-deny> <bs-len-errors> <bs-rpf-failed> <bs-no-listen>
<candrp-border-deny> <candrp-no-listen> <autorp-announce-sent> <autorp-announce-rcvd>
<autorp-discovery-sent> <autorp-discovery-rcvd> <autorp-rpf-failed> <autorp-border-deny>
<autorp-invalid-type> <autorp-ttl-expired> <autorp-no-listen> <ctrl-no-route> <data-no-route> <no-state>
<create-state> ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
statistics	Packet counter statistics
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
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>reg-sent</i>	(Optional)
<i>reg-rcvd</i>	(Optional)
<i>null-reg-sent</i>	(Optional)
<i>null-reg-rcvd</i>	(Optional)
<i>reg-stop-sent</i>	(Optional)
<i>reg-stop-rcvd</i>	(Optional)
<i>reg-rcvd-not-rp</i>	(Optional)
<i>reg-rcvd-for-ssm</i>	(Optional)

<i>reg-rcvd-for-bidir</i>	(Optional)
<i>bootstrap-sent</i>	(Optional)
<i>bootstrap-rcvd</i>	(Optional)
<i>cand-rp-sent</i>	(Optional)
<i>cand-rp-rcvd</i>	(Optional)
<i>bs-no-nbr</i>	(Optional)
<i>bs-border-deny</i>	(Optional)
<i>bs-len-errors</i>	(Optional)
<i>bs-rpf-failed</i>	(Optional)
<i>bs-no-listen</i>	(Optional)
<i>candrp-border-deny</i>	(Optional)
<i>candrp-no-listen</i>	(Optional)
<i>autorp-announce-sent</i>	(Optional)
<i>autorp-announce-rcvd</i>	(Optional)
<i>autorp-discovery-sent</i>	(Optional)
<i>autorp-discovery-rcvd</i>	(Optional)
<i>autorp-rpf-failed</i>	(Optional)
<i>autorp-border-deny</i>	(Optional)
<i>autorp-invalid-type</i>	(Optional)
<i>autorp-ttl-expired</i>	(Optional)
<i>autorp-no-listen</i>	(Optional)
<i>ctrl-no-route</i>	(Optional)
<i>data-no-route</i>	(Optional)
<i>no-state</i>	(Optional)
<i>create-state</i>	(Optional)

Command Mode

- /exec

show ip pim vrf

```
show ip pim vrf [ { <vrf-name> | <vrf-known-name> | all } ] [ detail | internal ] [ __readonly__ {
TABLE_context <out-context> <context-id> <count> <table-id> <bfd> <mvpn> [ <strict_rfc_compliant> ]
[ <global-mcast-bndry> ] } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
vrf	Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs PIM is configured for
detail	(Optional) Display detailed information
internal	(Optional) VRF related internal information
__readonly__	(Optional)
TABLE_context	(Optional)
<i>out-context</i>	(Optional)
<i>context-id</i>	(Optional)
<i>table-id</i>	(Optional)
<i>count</i>	(Optional)
<i>bfd</i>	(Optional)
<i>mvpn</i>	(Optional)
<i>strict_rfc_compliant</i>	(Optional)
<i>global-mcast-bndry</i>	(Optional)

Command Mode

- /exec

show ip ping source-interface

```
show ip ping source-interface [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ [ { TABLE_ippingvrf
<vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ping	Display ping client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_ippingvrf	(Optional) source interface of ping
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip ping source-interface vrf all

```
show ip ping source-interface vrf all [ __readonly__ [ { TABLE_ipping <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ping	Display ping client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_ipping	(Optional) source interface of ping
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip policy

```
show ip policy [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ detail ] [ __readonly__ { TABLE_pbr [
<interface> ] [ <rmap> ] [ <status> ] [ <vrf_name> ] } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
policy	Policy routing
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
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_pbr	(Optional)
<i>interface</i>	(Optional)
<i>rmap</i>	(Optional)
<i>status</i>	(Optional)
<i>vrf_name</i>	(Optional)

Command Mode

- /exec

show ip prefix-list

```
show ip prefix-list { { [ detail | summary ] [ <ipv4-pfl-name> | <ipv4-pfl-cfg-name> ] } | { { <ipv4-pfl-name>
| <ipv4-pfl-cfg-name> } seq <seq-no> } | { { <ipv4-pfl-name> | <ipv4-pfl-cfg-name> } <prefix> [ first-match
| longer ] } } [ __readonly__ TABLE_ip_pfl <name> <seq> <action> <rule> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
prefix-list	List IP prefix lists
<i>ipv4-pfl-name</i>	(Optional) Name of prefix-list
<i>ipv4-pfl-cfg-name</i>	(Optional) Known prefix-list name
seq	Sequence number
<i>seq-no</i>	Sequence number
<i>prefix</i>	IP prefix network/length, e.g., 35.0.0.0/8
first-match	(Optional) Find the first match
longer	(Optional) Find the more specific entries
<i>__readonly__</i>	(Optional)
TABLE_ip_pfl	(Optional)
<i>name</i>	(Optional)
<i>seq</i>	(Optional)
<i>action</i>	(Optional)
<i>rule</i>	(Optional)

Command Mode

- /exec

show ip process

```
show ip process [ api ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_ip_pro_vrf
[ { <pro-cntxt-name> <pro-cntxt-id> <pro-base-tid> <pro-auto-disc> <pro-atuo-add> <pro-null-bcast>
<auto-punt-bcast> <static-disc> <static-def-route> <ip-unreach> } ] [ TABLE_pro_api [ <api-vrf>
<api-cntxt-id> <api-base-tid> <api-ip-addr> <api-rtr-id-iod> ] ] [ TABLE_iod [ { <entry-iod> } ] ] [
TABLE_local_addr [ { <local-addr> } ] ] ] [ TABLE_ip_pro_all { <all-pro-cntxt-name> <all-pro-cntxt-id>
} ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
process	Display IP global information
api	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_ip_pro_vrf	(Optional)
<i>pro-cntxt-name</i>	(Optional)
<i>pro-cntxt-id</i>	(Optional)
<i>pro-base-tid</i>	(Optional)
<i>pro-auto-disc</i>	(Optional)
<i>pro-atuo-add</i>	(Optional)
<i>pro-null-bcast</i>	(Optional)
<i>auto-punt-bcast</i>	(Optional)
<i>static-disc</i>	(Optional)
<i>static-def-route</i>	(Optional)
<i>ip-unreach</i>	(Optional)
TABLE_pro_api	(Optional)
<i>api-vrf</i>	(Optional)

<i>api-cntxt-id</i>	(Optional)
<i>api-base-tid</i>	(Optional)
<i>api-ip-addr</i>	(Optional)
<i>api-rtr-id-iod</i>	(Optional)
TABLE_iod	(Optional)
<i>entry-iod</i>	(Optional)
TABLE_local_addr	(Optional)
<i>local-addr</i>	(Optional)
TABLE_ip_pro_all	(Optional)
<i>all-pro-cntxt-name</i>	(Optional)
<i>all-pro-cntxt-id</i>	(Optional)

Command Mode

- /exec

show ip rip

```
show { ipv6 | ip } rip [ instance <inst> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
TABLE_mode <isolate-mode> <mmode> [ TABLE_inst <inst-name> TABLE_vrf [ <vrf> ]
<rip-shut-globally-in-this-vrf> <port> <mcast-grp> <admin-dist> <update-tmr> <expire-tmr> <garbage-tmr>
<def-metric> <max-paths> <def-rt-distrib> <def-distrib-always> <process-disabled> <out-of-mem> TABLE_afi
<afi> [ TABLE_interface <if-name> ] TABLE_redistrib <redistributing> [ TABLE_clients <pibName> <policy>
] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
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
<u>__readonly__</u>	(Optional)
TABLE_mode	(Optional)
<i>isolate-mode</i>	(Optional)
<i>mmode</i>	(Optional)
TABLE_inst	(Optional)
<i>inst-name</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
<i>rip-shut-globally-in-this-vrf</i>	(Optional)
<i>port</i>	(Optional)
<i>mcast-grp</i>	(Optional)
<i>admin-dist</i>	(Optional)

<i>update-tmr</i>	(Optional)
<i>expire-tmr</i>	(Optional)
<i>garbage-tmr</i>	(Optional)
<i>def-metric</i>	(Optional)
<i>max-paths</i>	(Optional)
<i>def-rt-distrib</i>	(Optional)
<i>def-distrib-always</i>	(Optional)
<i>process-disabled</i>	(Optional)
<i>out-of-mem</i>	(Optional)
TABLE_afi	(Optional)
<i>af</i>	(Optional)
TABLE_interface	(Optional)
<i>if-name</i>	(Optional)
TABLE_redistrib	(Optional)
<i>redistributing</i>	(Optional)
TABLE_clients	(Optional)
<i>pibname</i>	(Optional)
<i>policy</i>	(Optional)

Command Mode

- /exec

show ip rip interface

```
show { ipv6 | ip } rip [ instance <inst> ] interface [ <interface> ] [ detail ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ [ TABLE_inst <inst-name> TABLE_vrf [ <vrf> ] [ TABLE_inter
<if-name> <if-status> <protocol-up> <local-only> <no-addr-conf> [ <if-addr> <if-mask> ] <if-metric>
<poison-reverse> <if-passive> <route-dist-filter> [ <in-policy> ] [ <out-policy> ] { TABLE_auth <auth-ena>
[ <auth-type> <auth-keychain> } ] [ TABLE_detail <import-routes> [ <periodic-updates> <trigger-updates>
<out-mcast-request> <out-ucast-update> <out-ucast-request> <in-mcast-update> <in-mcast-request>
<in-ucast-update> <in-ucast-request> <bad-pkt> <bad-route> } ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
interface	RIP interface
<i>interface</i>	(Optional) RIP interface
detail	(Optional) Detailed information
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
__readonly__	(Optional)
TABLE_inst	(Optional)
<i>inst-name</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
TABLE_inter	(Optional)
<i>if-name</i>	(Optional)
<i>if-status</i>	(Optional)
<i>protocol-up</i>	(Optional)

<i>local-only</i>	(Optional)
<i>no-addr-conf</i>	(Optional)
<i>if-addr</i>	(Optional)
<i>if-mask</i>	(Optional)
<i>if-metric</i>	(Optional)
<i>poison-reverse</i>	(Optional)
<i>if-passive</i>	(Optional)
<i>route-dist-filter</i>	(Optional)
<i>in-policy</i>	(Optional)
<i>out-policy</i>	(Optional)
TABLE_auth	(Optional)
<i>auth-ena</i>	(Optional)
<i>auth-type</i>	(Optional)
<i>auth-keychain</i>	(Optional)
TABLE_detail	(Optional)
<i>import-routes</i>	(Optional)
<i>periodic-updates</i>	(Optional)
<i>trigger-updates</i>	(Optional)
<i>out-mcast-request</i>	(Optional)
<i>out-ucast-update</i>	(Optional)
<i>out-ucast-request</i>	(Optional)
<i>in-mcast-update</i>	(Optional)
<i>in-mcast-request</i>	(Optional)
<i>in-ucast-update</i>	(Optional)
<i>in-ucast-request</i>	(Optional)
<i>bad-pkt</i>	(Optional)
<i>bad-route</i>	(Optional)

Command Mode

- /exec

show ip rip neighbor

```
show { ipv6 | ip } rip [ instance <inst> ] neighbor [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> |
all } ] [ __readonly__ [ TABLE_inst <inst-name> TABLE_vrf [ <vrf> ] <numberof-adj> <dead-timer-seconds>
[ TABLE_adj <adj-addr> <if-name> [ <last-response-sent-state> ] [ <last-response-sent> ] [
<last-response-rcvd-state> ] [ <last-response-rcvd> ] [ <last-request-sent-state> ] [ <last-request-sent> ] [
<last-request-rcvd-state> ] [ <last-request-rcvd> ] <in-bad-packets> <in-bad-routes> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP status and configuration
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
neighbor	RIP neighbor
<i>interface</i>	(Optional) RIP interface
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>__readonly__</i>	(Optional)
TABLE_inst	(Optional)
<i>inst-name</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
<i>numberof-adj</i>	(Optional)
<i>dead-timer-seconds</i>	(Optional)
TABLE_adj	(Optional)
<i>adj-addr</i>	(Optional)
<i>if-name</i>	(Optional)
<i>last-response-sent-state</i>	(Optional)

<i>last-response-sent</i>	(Optional)
<i>last-response-rcvd-state</i>	(Optional)
<i>last-response-rcvd</i>	(Optional)
<i>last-request-sent-state</i>	(Optional)
<i>last-request-sent</i>	(Optional)
<i>last-request-rcvd-state</i>	(Optional)
<i>last-request-rcvd</i>	(Optional)
<i>in-bad-packets</i>	(Optional)
<i>in-bad-routes</i>	(Optional)

Command Mode

- /exec

show ip rip policy statistics redistribute

```
show ip rip [ instance <inst> ] policy statistics redistribute { bgp <as> | { eigrp | isis | <src-rip> | ospf } <tag>
| direct | static } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_asn <asn> TABLE_vrf
<vrf> [ TABLE_rmap [ <name> <action> <seq_num> ] [ TABLE_cmd <command> [ <compare_count> ]
<match_count> ] ] <total_accept_count> <total_reject_count> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>as</i>	Autonomous system number
isis	Intermediate-to-intermediate (ISIS)
src-rip	Routing Information Protocol (RIP)
ospf	Open Shortest Path First (OSPFv2)
<i>tag</i>	Process tag
direct	Directly connected routes
static	Static routes
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
__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_rmap	(Optional) Routemap table
<i>name</i>	(Optional) Route-map Name
<i>action</i>	(Optional) Route-map action
<i>seq_num</i>	(Optional) Sequence number of the rule in route-map
TABLE_cmd	(Optional) Route-map command table
<i>command</i>	(Optional) Route-map command
<i>compare_count</i>	(Optional) Number of comparisons
<i>match_count</i>	(Optional) Number of matches
<i>total_accept_count</i>	(Optional) Total number of packets accepted by the policy
<i>total_reject_count</i>	(Optional) Total number of packets rejected by the policy

Command Mode

- /exec

show ip rip route

```
show { ipv6 | ip } rip [ instance <inst> ] route [ { <ipv6-prefix> | <ip-prefix> } [ { longer-prefixes |
shorter-prefixes } ] ] [ summary ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_inst
<inst-name> TABLE_vrf [ <vrf> ] TABLE_issummary <is-summary> [ TABLE_route <rt-prefix> <rt-mask>
<rt-numnh> <best-route> [ TABLE_nexthop [ <nh-addr> ] [ <nh-interface> ] [ <nh-metric> ] [ <nh-tag> ] [
<nh-direct> ] [ <nh-redistrib> ] [ <nh-state> ] [ <nh-state-timer> ] ] ] [ TABLE_summary <total-num-rts>
<total-best-rts> <total-paths> [ TABLE_rtspermask <mask-length> <rts-per-mask> ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
route	RIP routes
summary	(Optional) route counts
<i>ip-prefix</i>	(Optional) Exact prefix
longer-prefixes	(Optional) exact match and more specific routes
shorter-prefixes	(Optional) exact match and less specific routes
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
__readonly__	(Optional)
TABLE_inst	(Optional)
<i>inst-name</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
TABLE_issummary	(Optional)
<i>is-summary</i>	(Optional)

TABLE_route	(Optional)
<i>rt-prefix</i>	(Optional)
<i>rt-mask</i>	(Optional)
<i>rt-numnh</i>	(Optional)
<i>best-route</i>	(Optional)
TABLE_nextthop	(Optional)
<i>nh-addr</i>	(Optional)
<i>nh-interface</i>	(Optional)
<i>nh-metric</i>	(Optional)
<i>nh-tag</i>	(Optional)
<i>nh-direct</i>	(Optional)
<i>nh-redistrib</i>	(Optional)
<i>nh-state</i>	(Optional)
<i>nh-state-timer</i>	(Optional)
TABLE_summary	(Optional)
<i>total-num-rts</i>	(Optional)
<i>total-best-rts</i>	(Optional)
<i>total-paths</i>	(Optional)
TABLE_rtspermask	(Optional)
<i>mask-length</i>	(Optional)
<i>rts-per-mask</i>	(Optional)

Command Mode

- /exec

show ip rip statistics

```
show { ipv6 | ip } rip [ instance <inst> ] statistics [ * | <interface> ] [ __readonly__ [ TABLE_inst <inst-name>
TABLE_interface <if-name> [ <periodic-updates> <trigger-updates> <out-mcast-request> <out-ucast-update>
<out-ucast-request> <in-mcast-update> <in-mcast-request> <in-ucast-update> <in-ucast-request> <bad-pkt>
<bad-route> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP status and configuration
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
statistics	RIP statistics
<i>interface</i>	(Optional) RIP interface
*	(Optional) RIP statistics for all interfaces
__readonly__	(Optional)
TABLE_inst	(Optional)
<i>inst-name</i>	(Optional)
TABLE_interface	(Optional)
<i>if-name</i>	(Optional)
<i>periodic-updates</i>	(Optional)
<i>trigger-updates</i>	(Optional)
<i>out-mcast-request</i>	(Optional)
<i>out-ucast-update</i>	(Optional)
<i>out-ucast-request</i>	(Optional)
<i>in-mcast-update</i>	(Optional)
<i>in-mcast-request</i>	(Optional)
<i>in-ucast-update</i>	(Optional)
<i>in-ucast-request</i>	(Optional)

<i>bad-pkt</i>	(Optional)
<i>bad-route</i>	(Optional)

Command Mode

- /exec

show ip route

```
show ip route [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr> | {
<ip-prefix> [ { longer-prefixes | shorter-prefixes } ] ] [ { <protocol> [ all ] } | { bind-label <bind-lbl> |
next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [ since <stime>
] [ until <utime> ] } } ] + [ summary [ cached ] | detail | summary-counter-consistency-check ] [ vrf {
<vrf-name> | <vrf-known-name> | <vrf-all> } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf
<addrf> [ TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [ <ipnexthop>
] [ <ipv6nexthop> ] [ <nexthop-vrf-name> ] [ <ifname> ] [ <bindlbl> ] <uptime> <pref> <metric> <clientname>
[ <linkbw> ] [ <type> ] [ <tag> ] [ <stale> ] [ <unres> ] [ <hidden> ] [ <stale-label> ] [ <bgpbackuppath> ] [
<type2> ] [ <remote-sid> ] [ <src-ip> ] [ <sid-fct> ] [ <bsid> ] [ <ubest> ] [ <mbest> ] ] [ TABLE_summary
<routes> <paths> [ <multicast_paths> ] [ TABLE_unicast [ <clientnameuni> ] [ <best-paths> ] [ <backup-paths>
] ] [ TABLE_multicast [ <clientnamemulti> ] [ <best-paths> ] [ <backup-paths> ] ] [ TABLE_route_count [
<mask_len> ] [ <count> ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
route	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
<i>ip-addr</i>	(Optional) Display single route longest match lookup
<i>ip-prefix</i>	(Optional) Display single exact match route
longer-prefixes	(Optional) Display matching routes with mask-lengths \geq prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths \leq prefix
<i>protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too

bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
<i>next-hop</i>	(Optional) Next hop address
next-hop-v6	(Optional) Display routes with this V6 next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
detail	(Optional) Display routes in full detail
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<u>__readonly__</u>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_addrf	(Optional)
<i>addrf</i>	(Optional)
TABLE_prefix	(Optional)
<i>iprefix</i>	(Optional)
<i>ucast-nhops</i>	(Optional)
<i>mcast-nhops</i>	(Optional)
<i>attached</i>	(Optional)
TABLE_path	(Optional)
<i>ipnexthop</i>	(Optional)
<i>nexthop-vrf-name</i>	(Optional)

<i>ifname</i>	(Optional)
<i>bindlbl</i>	(Optional)
<i>uptime</i>	(Optional)
<i>pref</i>	(Optional)
<i>metric</i>	(Optional)
<i>clientname</i>	(Optional)
<i>linkbw</i>	(Optional)
<i>type</i>	(Optional)
<i>tag</i>	(Optional)
<i>stale</i>	(Optional)
<i>unres</i>	(Optional)
<i>hidden</i>	(Optional)
<i>stale-label</i>	(Optional)
<i>bgpbackuppath</i>	(Optional)
<i>type2</i>	(Optional)
<i>remote-sid</i>	(Optional)
<i>sid-<i>fc</i></i>	(Optional)
<i>ubest</i>	(Optional)
<i>mbest</i>	(Optional)
TABLE_summary	(Optional)
<i>routes</i>	(Optional)
<i>paths</i>	(Optional)
<i>multicast_paths</i>	(Optional)
TABLE_unicast	(Optional)
<i>clientnameuni</i>	(Optional)
<i>best-paths</i>	(Optional)
<i>backup-paths</i>	(Optional)
TABLE_multicast	(Optional)
<i>clientnamemulti</i>	(Optional)

<i>best-paths</i>	(Optional)
<i>backup-paths</i>	(Optional)
TABLE_route_count	(Optional)
<i>mask_len</i>	(Optional)
<i>count</i>	(Optional)

Command Mode

- /exec

show ip sla application

```
show ip sla application [ __readonly__ <version> [ <line-length> ] <type-name> <feature-name>
<lowmemorymark> <max-entries> <probe-cap> <entries-config> <entries-active> <entries-pending>
<entries-inactive> <last-change-time> <rttMonApplReset> [ <rttMonApplTimeOfLastSet> ] ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
application	IP SLAs Application
<i>__readonly__</i>	(Optional)
<i>version</i>	(Optional)
<i>line-length</i>	(Optional)
<i>type-name</i>	(Optional)
<i>feature-name</i>	(Optional)
<i>lowmemorymark</i>	(Optional)
<i>max-entries</i>	(Optional)
<i>probe-cap</i>	(Optional)
<i>entries-config</i>	(Optional)
<i>entries-active</i>	(Optional)
<i>entries-pending</i>	(Optional)
<i>entries-inactive</i>	(Optional)
<i>last-change-time</i>	(Optional)
<i>rttMonApplReset</i>	(Optional) Appl Reset
<i>rttMonApplTimeOfLastSet</i>	(Optional)

Command Mode

- /exec

show ip sla configuration

```
show ip sla configuration [ <entry-num> ] [ dynamic ] [ __readonly__ { TABLE_configuration [ <index> ]
[ <owner> ] [ <tag> ] [ <timeout> ] [ <oper-type> ] [ <dest-ip> ] [ <source-int> ] [ <source-ip> ] [ <dest-port> ]
[ <source-port> ] [ <dns-source-port> ] [ <traffic-class> ] [ <tos> ] [ <dns-name-server> ] [ <flow-label> ]
[ <switch-id> ] [ <profile-id> ] [ <interface> ] [ <packet-size> ] [ <packet-interval> ] [ <num-packets> ] [
<codec-type> ] [ <codec-num-packets> ] [ <codec-packet-size> ] [ <codec-packet-interval> ] [
<codec-adv-factor> ] [ <verify-data> ] [ <data-pattern> ] [ <precision> ] [ <packet-priority> ] [
<ntp-sync-tolerance> ] [ <ntp-sync-toltype> ] [ <vrf-name> ] [ <control-enabled> ] [ <http-oper> ] [
<http-version> ] [ <url> ] [ <proxy> ] [ <raw-strings> ] [ <cache-control> ] [ <http-vrf-name> ] [ <http-owner> ]
] [ <http-tag> ] [ <http-timeout> ] [ <frequency> ] [ <frequency-in-ms> ] [ <secondary-freq-timeout> ] [
<secondary-freq-loss> ] [ <next-start-time> ] [ <group-scheduled> ] [ <randomly-scheduled> ] [
<low-frequency> ] [ <high-frequency> ] [ <life> ] [ <ageout> ] [ <recurring> ] [ <status-of-entry> ] [
<threshold> ] [ <hours> ] [ <buckets> ] [ <interval> ] [ <einterval> ] [ <ebuckets> ] [ <lives> ] [ <hsbuckets> ]
] [ <filter> ] [ <ingressifidx> ] [ <egressifidx> ] }
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
configuration	IP SLA configurtaion
<i>entry-num</i>	(Optional) Entry Number
dynamic	(Optional) Entries programmed by clients
<i>__readonly__</i>	(Optional)
TABLE_configuration	(Optional) show ip sla configuration information
<i>index</i>	(Optional)
<i>owner</i>	(Optional)
<i>tag</i>	(Optional)
<i>timeout</i>	(Optional)
<i>oper-type</i>	(Optional)
<i>dest-ip</i>	(Optional)
<i>source-int</i>	(Optional)
<i>source-ip</i>	(Optional)
<i>dest-port</i>	(Optional)
<i>source-port</i>	(Optional)

<i>dns-source-port</i>	(Optional)
<i>traffic-class</i>	(Optional)
<i>tos</i>	(Optional)
<i>dns-name-server</i>	(Optional)
<i>flow-label</i>	(Optional)
<i>profile-id</i>	(Optional)
<i>switch-id</i>	(Optional)
<i>interface</i>	(Optional)
<i>packet-size</i>	(Optional)
<i>packet-interval</i>	(Optional)
<i>num-packets</i>	(Optional)
<i>codec-type</i>	(Optional)
<i>codec-num-packets</i>	(Optional)
<i>codec-packet-size</i>	(Optional)
<i>codec-packet-interval</i>	(Optional)
<i>codec-adv-factor</i>	(Optional)
<i>verify-data</i>	(Optional)
<i>data-pattern</i>	(Optional)
<i>precision</i>	(Optional)
<i>packet-priority</i>	(Optional)
<i>ntp-sync-tolerance</i>	(Optional)
<i>ntp-sync-toctype</i>	(Optional)
<i>vrf-name</i>	(Optional)
<i>control-enabled</i>	(Optional)
<i>http-oper</i>	(Optional)
<i>http-version</i>	(Optional)
<i>url</i>	(Optional)
<i>proxy</i>	(Optional)
<i>raw-strings</i>	(Optional)

<i>cache-control</i>	(Optional)
<i>http-vrf-name</i>	(Optional)
<i>http-owner</i>	(Optional)
<i>http-tag</i>	(Optional)
<i>http-timeout</i>	(Optional)
<i>frequency</i>	(Optional)
<i>frequency-in-ms</i>	(Optional)
<i>secondary-freq-timeout</i>	(Optional)
<i>secondary-freq-loss</i>	(Optional)
<i>next-start-time</i>	(Optional)
<i>group-scheduled</i>	(Optional)
<i>randomly-scheduled</i>	(Optional)
<i>low-frequency</i>	(Optional)
<i>high-frequency</i>	(Optional)
<i>life</i>	(Optional)
<i>ageout</i>	(Optional)
<i>recurring</i>	(Optional)
<i>status-of-entry</i>	(Optional)
<i>threshold</i>	(Optional)
<i>hours</i>	(Optional)
<i>buckets</i>	(Optional)
<i>interval</i>	(Optional)
<i>einterval</i>	(Optional)
<i>ebuckets</i>	(Optional)
<i>lives</i>	(Optional)
<i>hsbuckets</i>	(Optional)
<i>filter</i>	(Optional)
<i>ingressifidx</i>	(Optional)
<i>egressifidx</i>	(Optional)

Command Mode

- /exec

show ip sla enhanced-history collection-statistics

```
show ip sla enhanced-history collection-statistics [ <operation-number> [ interval <interval-in-secs> ] ] [
__readonly__ [ { TABLE_generic [ <entry-num> ] [ <aggregate-interval> ] [ { TABLE_bkt [ <bkt-index> ]
[ <agg-sti> ] [ <tgt-addr> ] [ <oper-type> ] [ <nofod> ] [ <nofot> ] [ <nofob> ] [ <nofonc> ] [ <nofoie> ] [
<nofose> ] [ <nofove> ] [ <ntp-state> ] [ <icpif> ] [ <mos-score> ] [ <rtt-values> ] [ <num-rtt> ] [ <rtt-avg>
] [ <rtt-min> ] [ <rtt-max> ] [ <rtt-sum> ] [ <rtt-sum2> ] [ <num-out-sync-rtt> ] [ <plsd> ] [ <plds> ] [ <pos>
] [ <pl-mia> ] [ <pla> ] [ <int-err> ] [ <busies> ] [ <pkt-skipped> ] [ <jitter-value-precision> ] [ <min-pos-sd>
] [ <max-pos-sd> ] [ <num-pos-sd> ] [ <sum-pos-sd> ] [ <sum2-pos-sd> ] [ <min-neg-sd> ] [ <max-neg-sd>
] [ <num-neg-sd> ] [ <sum-neg-sd> ] [ <sum2-neg-sd> ] [ <min-pos-ds> ] [ <max-pos-ds> ] [ <num-pos-ds>
] [ <sum-pos-ds> ] [ <sum2-pos-ds> ] [ <min-neg-ds> ] [ <max-neg-ds> ] [ <num-neg-ds> ] [ <sum-neg-ds>
] [ <sum2-neg-ds> ] [ <jitter-avg> ] [ <jitter-sd-avg> ] [ <jitter-ds-avg> ] [ <inter-jit-out> ] [ <inter-jit-in> ]
[ <ow-precision> ] [ <num-ow> ] [ <ow-min-sd> ] [ <ow-max-sd> ] [ <ow-sum-sd> ] [ <ow-sum2-sd> ] [
<ow-min-ds> ] [ <ow-max-ds> ] [ <ow-sum-ds> ] [ <ow-sum2-ds> ] [ <avg-ow-sd> ] [ <avg-ow-ds> ] } ] [
<outstring> ] } ] ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
enhanced-history	IP SLAs Enhanced History
collection-statistics	IP SLAs Collection Statistics
<i>operation-number</i>	(Optional) Entry Number
interval	(Optional) Aggregation Interval
<i>interval-in-secs</i>	(Optional) Interval in seconds
<i>__readonly__</i>	(Optional)
TABLE_generic	(Optional) Show History Information
<i>entry-num</i>	(Optional)
<i>aggregate-interval</i>	(Optional)
TABLE_bkt	(Optional) Show bucket History Information
<i>bkt-index</i>	(Optional)
<i>agg-sti</i>	(Optional)
<i>tgt-addr</i>	(Optional)
<i>oper-type</i>	(Optional)
<i>nofod</i>	(Optional)

<i>nofot</i>	(Optional)
<i>nofob</i>	(Optional)
<i>nofonc</i>	(Optional)
<i>nofoie</i>	(Optional)
<i>nofose</i>	(Optional)
<i>nofove</i>	(Optional)
<i>ntp-state</i>	(Optional)
<i>icpif</i>	(Optional)
<i>mos-score</i>	(Optional)
<i>rtt-values</i>	(Optional)
<i>num-rtt</i>	(Optional)
<i>rtt-avg</i>	(Optional)
<i>rtt-min</i>	(Optional)
<i>rtt-max</i>	(Optional)
<i>rtt-sum</i>	(Optional)
<i>rtt-sum2</i>	(Optional)
<i>num-out-sync-rtt</i>	(Optional)
<i>plsd</i>	(Optional)
<i>plds</i>	(Optional)
<i>pos</i>	(Optional)
<i>pl-mia</i>	(Optional)
<i>pla</i>	(Optional)
<i>int-err</i>	(Optional)
<i>busies</i>	(Optional)
<i>pkt-skipped</i>	(Optional)
<i>jitter-value-precision</i>	(Optional)
<i>min-pos-sd</i>	(Optional)
<i>max-pos-sd</i>	(Optional)
<i>num-pos-sd</i>	(Optional)

<i>sum-pos-sd</i>	(Optional)
<i>sum2-pos-sd</i>	(Optional)
<i>min-neg-sd</i>	(Optional)
<i>max-neg-sd</i>	(Optional)
<i>num-neg-sd</i>	(Optional)
<i>sum-neg-sd</i>	(Optional)
<i>sum2-neg-sd</i>	(Optional)
<i>min-pos-ds</i>	(Optional)
<i>max-pos-ds</i>	(Optional)
<i>num-pos-ds</i>	(Optional)
<i>sum-pos-ds</i>	(Optional)
<i>sum2-pos-ds</i>	(Optional)
<i>min-neg-ds</i>	(Optional)
<i>max-neg-ds</i>	(Optional)
<i>num-neg-ds</i>	(Optional)
<i>sum-neg-ds</i>	(Optional)
<i>sum2-neg-ds</i>	(Optional)
<i>jitter-avg</i>	(Optional)
<i>jitter-sd-avg</i>	(Optional)
<i>jitter-ds-avg</i>	(Optional)
<i>inter-jit-out</i>	(Optional)
<i>inter-jit-in</i>	(Optional)
<i>ow-precision</i>	(Optional)
<i>num-ow</i>	(Optional)
<i>ow-min-sd</i>	(Optional)
<i>ow-max-sd</i>	(Optional)
<i>ow-sum-sd</i>	(Optional)
<i>ow-sum2-sd</i>	(Optional)
<i>ow-min-ds</i>	(Optional)

<i>ow-max-ds</i>	(Optional)
<i>ow-sum-ds</i>	(Optional)
<i>ow-sum2-ds</i>	(Optional)
<i>avg-ow-sd</i>	(Optional)
<i>avg-ow-ds</i>	(Optional)
<i>outstring</i>	(Optional)

Command Mode

- /exec

show ip sla enhanced-history distribution-statistics

```
show ip sla enhanced-history distribution-statistics [ <operation-number> [ interval <interval-in-secs> ] ] [
__readonly__ [ <hdr> ] [ { TABLE_generic [ <col1> ] [ <col2> ] [ <col3> ] } ] ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
enhanced-history	IP SLAs Enhanced History
distribution-statistics	IP SLAs Distribution Statistics
<i>operation-number</i>	(Optional) Entry Number
interval	(Optional) Aggregation Interval
<i>interval-in-secs</i>	(Optional) Interval in seconds
<i>__readonly__</i>	(Optional)
<i>hdr</i>	(Optional)
TABLE_generic	(Optional) Show History Information
<i>col1</i>	(Optional)
<i>col2</i>	(Optional)
<i>col3</i>	(Optional)

Command Mode

- /exec

show ip sla group schedule

```
show ip sla group schedule [ <group-operation-number> ] [ __readonly__ [ <entry-number> ] [ <probe-list>
] [ <num-probes> ] [ <sched-period> ] [ <mode> ] [ <low-freq> ] [ <high-freq> ] [ <freq> ] [ <snmp-status>
] [ <next-start-time> ] [ <life> ] [ <ageout> ] ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
group	IP SLAs Group Scheduling/Configuration
schedule	Group Scheduling
<i>group-operation-number</i>	(Optional) Group Schedule Entry Number
<i>__readonly__</i>	(Optional)
<i>entry-number</i>	(Optional)
<i>probe-list</i>	(Optional)
<i>num-probes</i>	(Optional)
<i>sched-period</i>	(Optional)
<i>mode</i>	(Optional)
<i>low-freq</i>	(Optional)
<i>high-freq</i>	(Optional)
<i>freq</i>	(Optional)
<i>snmp-status</i>	(Optional)
<i>next-start-time</i>	(Optional)
<i>life</i>	(Optional)
<i>ageout</i>	(Optional)

Command Mode

- /exec

show ip sla history

```
show ip sla history [ <operation-number> ] [ tabular | full | interval-statistics ] [ __readonly__ [ <outstring> ] ] [ { TABLE_generic [ <index> ] [ <life-index> ] [ <bucket-index> ] [ <col1> ] [ <addr> ] [ <dest-id> ] [ <nsr> ] [ <st> ] [ <latest-rtt> ] [ <latest-ret-code> ] [ <col2> } } ] [ <error> ] ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
history	IP SLAs History
<i>operation-number</i>	(Optional) Entry Number
tabular	(Optional) Compact Output
full	(Optional) Listed Output
interval-statistics	(Optional) Interval statistics output
<i>__readonly__</i>	(Optional)
<i>outstring</i>	(Optional)
TABLE_generic	(Optional) Show History Information
<i>index</i>	(Optional)
<i>life-index</i>	(Optional)
<i>bucket-index</i>	(Optional)
<i>col1</i>	(Optional)
<i>addr</i>	(Optional)
<i>dest-id</i>	(Optional)
<i>nsr</i>	(Optional)
<i>st</i>	(Optional)
<i>latest-rtt</i>	(Optional)
<i>latest-ret-code</i>	(Optional)
<i>col2</i>	(Optional)
<i>error</i>	(Optional)

Command Mode

- /exec

show ip sla reaction-configuration

```
show ip sla reaction-configuration [ <entry-num> ] [ __readonly__ { TABLE_reaction [ <entry-number> ] [ <index> ] [ <reaction> ] [ <threshold-type> ] [ <rising-value> ] [ <falling-value> ] [ <threshold-countX> ] [ <threshold-countY> ] [ <action-type> ] [ <unconfigured> ] } ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
reaction-configuration	IP SLAs Reaction Configuration
<i>entry-num</i>	(Optional) Entry Number
<i>__readonly__</i>	(Optional)
<i>TABLE_reaction</i>	(Optional)
<i>entry-number</i>	(Optional)
<i>index</i>	(Optional)
<i>reaction</i>	(Optional)
<i>threshold-type</i>	(Optional)
<i>rising-value</i>	(Optional)
<i>falling-value</i>	(Optional)
<i>threshold-countX</i>	(Optional)
<i>threshold-countY</i>	(Optional)
<i>action-type</i>	(Optional)
<i>unconfigured</i>	(Optional)

Command Mode

- /exec

show ip sla reaction-trigger

```
show ip sla reaction-trigger [ <entry-num> ] [ __readonly__ { TABLE_trigger [ <entry-number> ] [ <index>
] [ <target-entry> ] [ <snmp-status> ] [ <operational-state> ] [ <unconfigured> } } ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
reaction-trigger	IP SLAs Reaction Trigger
<i>entry-num</i>	(Optional) Entry Number
<i>__readonly__</i>	(Optional)
<i>TABLE_trigger</i>	(Optional)
<i>entry-number</i>	(Optional)
<i>index</i>	(Optional)
<i>target-entry</i>	(Optional)
<i>snmp-status</i>	(Optional)
<i>operational-state</i>	(Optional)
<i>unconfigured</i>	(Optional)

Command Mode

- /exec

show ip sla responder

```
show ip sla responder [ __readonly__ <rttMonApplResponder> <gen-enabled> [ <ctrl-msg-count> ] [ <errors>
] [ <print-recent-hdr> ] [ { TABLE_recent [ <recent-addr> ] [ <recent-time> ] } ] [ <print-recent-err-hdr> ] [
{ TABLE_recent_error [ <recent-error> ] } ] <perm-enabled> [ { TABLE_permanent_udp [ <print-udp-hdr>
] [ <address> ] [ <port> ] } ] [ { TABLE_permanent_tcp [ <print-tcp-hdr> ] [ <address> ] [ <port> ] } ] ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
responder	IP SLAs Responder Information
<i>__readonly__</i>	(Optional)
<i>rttMonApplResponder</i>	(Optional) rttMonApplResponder
<i>gen-enabled</i>	(Optional)
<i>ctrl-msg-count</i>	(Optional)
<i>errors</i>	(Optional)
<i>print-recent-hdr</i>	(Optional)
TABLE_recent	(Optional) Show recent control message information
<i>recent-addr</i>	(Optional)
<i>recent-time</i>	(Optional)
<i>print-recent-err-hdr</i>	(Optional)
TABLE_recent_error	(Optional) Show recent control error information
<i>recent-error</i>	(Optional)
<i>perm-enabled</i>	(Optional)
TABLE_permanent_udp	(Optional) Show UDP permanent port/address information
<i>print-udp-hdr</i>	(Optional)
<i>address</i>	(Optional)
<i>port</i>	(Optional)
TABLE_permanent_tcp	(Optional) Show TCP permanent port/address information
<i>print-tcp-hdr</i>	(Optional)

<i>address</i>	(Optional)
<i>port</i>	(Optional)

Command Mode

- /exec

<i>top</i>	(Optional)
TABLE_detail	(Optional) Show ip sla statistics detail information
<i>sti</i>	(Optional)
<i>operation-type</i>	(Optional)
<i>MINICPIF</i>	(Optional)
<i>MAXICPIF</i>	(Optional)
<i>MINMOS</i>	(Optional)
<i>MAXMOS</i>	(Optional)
<i>update-count</i>	(Optional)
<i>micro-accuracy</i>	(Optional)
<i>nano-accuracy</i>	(Optional)
<i>latest-RTT</i>	(Optional)
<i>latest-return-code</i>	(Optional)
<i>latest-start-time</i>	(Optional)
<i>http-dns-rtt</i>	(Optional)
<i>http-tcp-rtt</i>	(Optional)
<i>http-ttfb</i>	(Optional)
<i>http-rtt</i>	(Optional)
<i>http-status</i>	(Optional)
<i>http-recvlen</i>	(Optional)
<i>http-bodysize</i>	(Optional)
<i>http-dns-timeout</i>	(Optional)
<i>http-tcp-timeout</i>	(Optional)
<i>http-t-timeout</i>	(Optional)
<i>http-dns-error</i>	(Optional)
<i>http-tcp-error</i>	(Optional)
<i>http-t-error</i>	(Optional)
<i>ntp-sync-state</i>	(Optional)
<i>rtt-count</i>	(Optional)

<i>rtt-min</i>	(Optional)
<i>rtt-avg</i>	(Optional)
<i>rtt-max</i>	(Optional)
<i>lat-ow-samples</i>	(Optional)
<i>sd-lat-ow-min</i>	(Optional)
<i>sd-lat-ow-avg</i>	(Optional)
<i>sd-lat-ow-max</i>	(Optional)
<i>ds-lat-ow-min</i>	(Optional)
<i>ds-lat-ow-avg</i>	(Optional)
<i>ds-lat-ow-max</i>	(Optional)
<i>sd-lat-sum</i>	(Optional)
<i>sd-lat-sum2</i>	(Optional)
<i>ds-lat-sum</i>	(Optional)
<i>ds-lat-sum2</i>	(Optional)
<i>sd-jitter-count</i>	(Optional)
<i>ds-jitter-count</i>	(Optional)
<i>sd-jitter-min</i>	(Optional)
<i>sd-jitter-avg</i>	(Optional)
<i>sd-jitter-max</i>	(Optional)
<i>ds-jitter-min</i>	(Optional)
<i>ds-jitter-avg</i>	(Optional)
<i>ds-jitter-max</i>	(Optional)
<i>sd-pos-jitter-min</i>	(Optional)
<i>sd-pos-jitter-avg</i>	(Optional)
<i>sd-pos-jitter-max</i>	(Optional)
<i>sd-pos-jitter-num</i>	(Optional)
<i>sd-pos-jitter-sum</i>	(Optional)
<i>sd-pos-jitter-sum2</i>	(Optional)
<i>sd-neg-jitter-min</i>	(Optional)

<i>sd-neg-jitter-avg</i>	(Optional)
<i>sd-neg-jitter-max</i>	(Optional)
<i>sd-neg-jitter-num</i>	(Optional)
<i>sd-neg-jitter-sum</i>	(Optional)
<i>sd-neg-jitter-sum2</i>	(Optional)
<i>ds-pos-jitter-min</i>	(Optional)
<i>ds-pos-jitter-avg</i>	(Optional)
<i>ds-pos-jitter-max</i>	(Optional)
<i>ds-pos-jitter-num</i>	(Optional)
<i>ds-pos-jitter-sum</i>	(Optional)
<i>ds-pos-jitter-sum2</i>	(Optional)
<i>ds-neg-jitter-min</i>	(Optional)
<i>ds-neg-jitter-avg</i>	(Optional)
<i>ds-neg-jitter-max</i>	(Optional)
<i>ds-neg-jitter-num</i>	(Optional)
<i>ds-neg-jitter-sum</i>	(Optional)
<i>ds-neg-jitter-sum2</i>	(Optional)
<i>pkt-unprocessed</i>	(Optional)
<i>pkt-loss</i>	(Optional)
<i>pkt-loss-per</i>	(Optional)
<i>pkt-loss-min</i>	(Optional)
<i>pkt-loss-max</i>	(Optional)
<i>pkt-loss-inter-min</i>	(Optional)
<i>pkt-loss-inter-max</i>	(Optional)
<i>inter-jitter-out</i>	(Optional)
<i>inter-jitter-in</i>	(Optional)
<i>jitter-avg</i>	(Optional)
<i>pkt-loss-sd</i>	(Optional)
<i>pkt-loss-sd-per</i>	(Optional)

<i>pkt-loss-sd-min</i>	(Optional)
<i>pkt-loss-sd-max</i>	(Optional)
<i>pkt-loss-sd-inter-min</i>	(Optional)
<i>pkt-loss-sd-inter-max</i>	(Optional)
<i>pkt-loss-ds</i>	(Optional)
<i>pkt-loss-ds-per</i>	(Optional)
<i>pkt-loss-ds-min</i>	(Optional)
<i>pkt-loss-ds-max</i>	(Optional)
<i>pkt-loss-ds-inter-min</i>	(Optional)
<i>pkt-loss-ds-inter-max</i>	(Optional)
<i>pkt-oos</i>	(Optional)
<i>pkt-oos-sd</i>	(Optional)
<i>pkt-oos-ds</i>	(Optional)
<i>pkt-oos-both</i>	(Optional)
<i>pkt-mia</i>	(Optional)
<i>pkt-late</i>	(Optional)
<i>pkt-skipped</i>	(Optional)
<i>voice-icpif</i>	(Optional)
<i>voice-mos</i>	(Optional)
<i>dnobs</i>	(Optional)
<i>dmam</i>	(Optional)
<i>dtoo</i>	(Optional)
<i>dmin</i>	(Optional)
<i>dmax</i>	(Optional)
<i>pnobs</i>	(Optional)
<i>pmam</i>	(Optional)
<i>ptoo</i>	(Optional)
<i>pmin</i>	(Optional)
<i>pmax</i>	(Optional)

<i>nnobs</i>	(Optional)
<i>nmam</i>	(Optional)
<i>ntoo</i>	(Optional)
<i>nmin</i>	(Optional)
<i>nmax</i>	(Optional)
<i>outstring1</i>	(Optional)
<i>outstring2</i>	(Optional)
<i>nos</i>	(Optional)
<i>nof</i>	(Optional)
<i>noot</i>	(Optional)
<i>nofo1</i>	(Optional)
<i>nofo2</i>	(Optional)
TABLE_br	(Optional) Bin range related info
<i>br</i>	(Optional)
<i>avg-lat</i>	(Optional)
<i>potc</i>	(Optional)
<i>noc-by-lat</i>	(Optional)
<i>sorthigh-by-low</i>	(Optional)
<i>operot</i>	(Optional)
<i>life-left</i>	(Optional)
<i>oper-state</i>	(Optional)
<i>reset-time</i>	(Optional)
<i>nob</i>	(Optional)
<i>bbh</i>	(Optional)
<i>bbv</i>	(Optional)

Command Mode

- /exec

show ip sla twamp connection detail

```
show ip sla twamp connection detail [ __readonly__ [ { TABLE_twamp-connection-detail <Connection-Id>
<Client-Addr> <Client-Port> <Client-VRF> <Mode> <Connection-state> <Control-state>
<Number-Of-Test-requests> } ] ]
```

Syntax Description

show	
ip	
sla	
twamp	
connection	
detail	
<i>__readonly__</i>	(Optional)
<i>TABLE_twamp-connection-detail</i>	(Optional) connection related info
<i>Connection-Id</i>	(Optional)
<i>Client-Addr</i>	(Optional)
<i>Client-Port</i>	(Optional)
<i>Client-VRF</i>	(Optional)
<i>Mode</i>	(Optional)
<i>Connection-state</i>	(Optional)
<i>Control-state</i>	(Optional)
<i>Number-Of-Test-requests</i>	(Optional)

Command Mode

- /exec

show ip sla twamp connection requests

```
show ip sla twamp connection requests [ __readonly__ [ { TABLE_twamp-connection-request <Connection-Id>
<Client-Addr> <Client-Port> <Client-VRF> } ] [ <Total-Connections> ] ]
```

Syntax Description

show	
ip	
sla	
twamp	
connection	
requests	
<i>__readonly__</i>	(Optional)
<i>TABLE_twamp-connection-request</i>	(Optional) connection requests related info
<i>Connection-Id</i>	(Optional)
<i>Client-Addr</i>	(Optional)
<i>Client-Port</i>	(Optional)
<i>Client-VRF</i>	(Optional)
<i>Total-Connections</i>	(Optional)

Command Mode

- /exec

show ip sla twamp session

```
show ip sla twamp session [ __readonly__ <twamp-resp-status> [ { TABLE_twamp-session [ <recv-addr> ]
[ <recv-port> ] [ <send-addr> ] [ <send-port> ] [ <send-vrf> ] [ <sess-id> ] [ <conn-id> ] } ] ]
```

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
twamp	IP SLAs Twamp Information
session	Display TWAMP Sessions
<i>__readonly__</i>	(Optional)
<i>twamp-resp-status</i>	(Optional)
TABLE_twamp-session	(Optional) session related information
<i>recv-addr</i>	(Optional)
<i>recv-port</i>	(Optional)
<i>send-addr</i>	(Optional)
<i>send-port</i>	(Optional)
<i>send-vrf</i>	(Optional)
<i>sess-id</i>	(Optional)
<i>conn-id</i>	(Optional)

Command Mode

- /exec

show ip sla twamp standards

```
show ip sla twamp standards [ __readonly__ [ { TABLE_twamp-standards <twamp-standard-feature>
<twamp-standard-org> <twamp-standard> } ] ]
```

Syntax Description

show	
ip	
sla	
twamp	
standards	
<i>__readonly__</i>	(Optional)
TABLE_twamp-standards	(Optional) twamp standards for each supported feature
<i>twamp-standard-feature</i>	(Optional)
<i>twamp-standard-org</i>	(Optional)
<i>twamp-standard</i>	(Optional)

Command Mode

- /exec

show ip ssh source-interface

```
show ip ssh source-interface [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ [ { TABLE_ipsshvrf
<vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ssh	Display SSH client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_ipsshvrf	(Optional) source interface of ssh given vrf
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip ssh source-interface vrf all

```
show ip ssh source-interface vrf all [ __readonly__ [ { TABLE_ipssh <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ssh	Display SSH client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_ipssh	(Optional) source interface of ssh
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip static-route

```
show ip static-route [ multicast ] [ internal ] [ track-table ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
__readonly__ [ <count> <unres-count> ] [ TABLE_vrf_all { <cntxt_name> <cntxt_id> [ TABLE_each_vrf
{ <prefix_addr_msk> <nhop_addr_msk> <nhop_vrf_info> <nhop_intr_info> <urib_stat> [ <seg_id> ] [
<tunnel_id> <urib_encap_type> ] [ <nhop_urib_stat> ] [ <track_obj_num> <track_obj_state> ] } ] ] [
TABLE_multicast <multicast> ] [ TABLE_track-table ] [ TABLE_route <prefix> <masklen> <nhop>
<nhop-masklen> <intf> <real-nhop> <iod> <pref> <tag> <unres> ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
static-route	Display configured static routes
multicast	(Optional) Display only multicast routes
internal	(Optional) Display internal data structure info
track-table	(Optional) Display track object details associated with static routes
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_vrf_all	(Optional)
<i>cntxt_name</i>	(Optional)
<i>cntxt_id</i>	(Optional)
TABLE_each_vrf	(Optional)
<i>prefix_addr_msk</i>	(Optional)
<i>nhop_addr_msk</i>	(Optional)
<i>nhop_vrf_info</i>	(Optional)
<i>nhop_intr_info</i>	(Optional)
<i>urib_stat</i>	(Optional)
<i>seg_id</i>	(Optional)
<i>tunnel_id</i>	(Optional)

<i>urib_encap_type</i>	(Optional)
<i>nhop_urib_stat</i>	(Optional)
<i>track_obj_num</i>	(Optional)
<i>track_obj_state</i>	(Optional)
TABLE_multicast	(Optional)
<i>multicast</i>	(Optional)
TABLE_track-table	(Optional)
TABLE_route	(Optional)
<i>prefix</i>	(Optional)
<i>masklen</i>	(Optional)
<i>nhop</i>	(Optional)
<i>nhop-masklen</i>	(Optional)
<i>intf</i>	(Optional)
<i>real-nhop</i>	(Optional)
<i>iod</i>	(Optional)
<i>pref</i>	(Optional)
<i>tag</i>	(Optional)
<i>unres</i>	(Optional)
<i>count</i>	(Optional)
<i>unres-count</i>	(Optional)

Command Mode

- /exec

show ip tcp mss

```
show ip tcp mss [ __readonly__ { <tcp-mss-value> } ]
```

Syntax Description

show	Show running system information
ip	Configure IP features
tcp	Global TCP parameters
mss	Maximum segment size for TCP connections in bytes
__readonly__	(Optional)
<i>tcp-mss-value</i>	(Optional) TCP Maximum Segment Size Value

Command Mode

- /exec

show ip telnet source-interface

```
show ip telnet source-interface [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ [ {
TABLE_iptelnetvrf <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
telnet	Display telnet information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_iptelnetvrf	(Optional) source interface of telnet given vrf
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip telnet source-interface vrf all

```
show ip telnet source-interface vrf all [ __readonly__ [ { TABLE_ip telnet <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
telnet	Display telnet information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_ip telnet	(Optional) source interface of telnet
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip tftp source-interface

```
show ip tftp source-interface [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ [ { TABLE_ipftpvrf
<vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
tftp	Display TFTP client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_ipftpvrf	(Optional) source interface of tftp given vrf
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip tftp source-interface vrf all

```
show ip tftp source-interface vrf all [ __readonly__ [ { TABLE iptftp <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
tftp	Display TFTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE iptftp	(Optional) source interface of tftp
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip traceroute source-interface

```
show ip traceroute source-interface [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ [ {
TABLE_iptraceroutevrf <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
traceroute	Display traceroute client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_iptraceroutevrf	(Optional) source interface of traceroute
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

show ip traceroute source-interface vrf all

```
show ip traceroute source-interface vrf all [ __readonly__ [ { TABLE_iptraceroute <vrfname> <ifname> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
traceroute	Display traceroute client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_iptraceroute	(Optional) source interface of traceroute
<i>vrfname</i>	(Optional) vrfname
<i>ifname</i>	(Optional) ifname

Command Mode

- /exec

TABLE_ip_soft_processed_traffic	(Optional)
TABLE_trans_and_reception	(Optional)
<i>rcvd</i>	(Optional)
<i>sent</i>	(Optional)
<i>consumed</i>	(Optional)
<i>fwd-ucast</i>	(Optional)
<i>fwd-mcast</i>	(Optional)
<i>fwd-label</i>	(Optional)
<i>ingress-mcecfwd</i>	(Optional)
TABLE_opts	(Optional)
<i>opts-end</i>	(Optional)
<i>opts-nop</i>	(Optional)
<i>opts-bsec</i>	(Optional)
<i>opts-loosesrc-route</i>	(Optional)
<i>opts-timestamp</i>	(Optional)
<i>opts-esec</i>	(Optional)
<i>opts-record-route</i>	(Optional)
<i>opts-ump</i>	(Optional)
<i>opts-stid</i>	(Optional)
<i>opts-strsrc-route</i>	(Optional)
<i>opts-alert</i>	(Optional)
<i>opts-cipso</i>	(Optional)
<i>opts-other</i>	(Optional)
TABLE_errors	(Optional)
<i>bad-csum</i>	(Optional)
<i>too-small</i>	(Optional)
<i>bad-ver</i>	(Optional)
<i>bad-hlen</i>	(Optional)
<i>bad-len</i>	(Optional)

<i>bad-dest</i>	(Optional)
<i>bad-ttl</i>	(Optional)
<i>cant-fwd</i>	(Optional)
<i>out-drop</i>	(Optional)
<i>bad-encap</i>	(Optional)
<i>no-route</i>	(Optional)
<i>no-proto</i>	(Optional)
<i>bad-options</i>	(Optional)
<i>vinci</i>	(Optional)
<i>snoop</i>	(Optional)
<i>svi</i>	(Optional)
<i>restart-recovery</i>	(Optional)
<i>mbuf-fail</i>	(Optional)
<i>bad-context</i>	(Optional)
<i>rpf-drops</i>	(Optional)
<i>bad-gw-mac</i>	(Optional)
<i>ing-ips-option-fail</i>	(Optional)
<i>nat-in-drop</i>	(Optional)
<i>nat-out-drop</i>	(Optional)
<i>ing-option-proc-fail</i>	(Optional)
<i>ing-mfrwd-fail</i>	(Optional)
<i>ing-lisp-drop</i>	(Optional)
<i>ing-lisp-decap-drop</i>	(Optional)
<i>ing-lisp-encap-drop</i>	(Optional)
<i>ing-lisp-encap</i>	(Optional)
<i>ing-mfwd-copy-drop</i>	(Optional)
<i>ing-ra-reass-drop</i>	(Optional)
<i>ing-icmp-redirect</i>	(Optional)
<i>ing-drop-ifmgr-init</i>	(Optional)

<i>ing-drop-invld-filter</i>	(Optional)
<i>ing-drop-invld-l2-msg</i>	(Optional)
<i>ingress</i>	(Optional)
<i>egrees</i>	(Optional)
<i>directed_bdcast</i>	(Optional)
TABLE_fragment	(Optional)
<i>frag</i>	(Optional)
<i>fragmented</i>	(Optional)
<i>out-frag</i>	(Optional)
<i>frag-drop</i>	(Optional)
<i>cant-frag</i>	(Optional)
<i>reasm</i>	(Optional)
<i>frag-to</i>	(Optional)
TABLE_icmp_software_proc_traffic	(Optional)
TABLE_transmission	(Optional)
<i>tx-redirect</i>	(Optional)
<i>tx-unreach</i>	(Optional)
<i>tx-echo-req</i>	(Optional)
<i>tx-echo-reply</i>	(Optional)
<i>tx-mask-req</i>	(Optional)
<i>tx-mask-rep</i>	(Optional)
<i>tx-info-req</i>	(Optional)
<i>tx-info-reply</i>	(Optional)
<i>tx-param-prob</i>	(Optional)
<i>tx-source-quench</i>	(Optional)
<i>tx-tstamp-req</i>	(Optional)
<i>tx-tstamp-reply</i>	(Optional)
<i>tx-time-exceeded</i>	(Optional)
<i>tx-router-solicit</i>	(Optional)

<i>tx-router-advert</i>	(Optional)
<i>out-drop-badlen</i>	(Optional)
<i>encap-fail</i>	(Optional)
<i>xmit-fail</i>	(Optional)
<i>icmp-originate</i>	(Optional)
<i>redirect-originate-req</i>	(Optional)
<i>originate-deny</i>	(Optional)
<i>short-ip</i>	(Optional)
<i>old-icmp</i>	(Optional)
<i>error-drop</i>	(Optional)
TABLE_reception	(Optional)
<i>rx-redir</i>	(Optional)
<i>rx-unreach</i>	(Optional)
<i>rx-echo-req</i>	(Optional)
<i>rx-echo-reply</i>	(Optional)
<i>rx-mask-req</i>	(Optional)
<i>rx-mask-rep</i>	(Optional)
<i>rx-info-req</i>	(Optional)
<i>rx-info-reply</i>	(Optional)
<i>rx-param-prob</i>	(Optional)
<i>rx-source-quench</i>	(Optional)
<i>rx-tstamp-req</i>	(Optional)
<i>rx-tstamp-reply</i>	(Optional)
<i>rx-time-exceeded</i>	(Optional)
<i>rx-router-solicit</i>	(Optional)
<i>rx-router-advert</i>	(Optional)
<i>rx-format-errors</i>	(Optional)
<i>rx-csum-errors</i>	(Optional)
<i>lisp-processed</i>	(Optional)

<i>lisp-noclient</i>	(Optional)
<i>lisp-consumed</i>	(Optional)
<i>icmp-replies</i>	(Optional)
<i>icmp-reply-drop</i>	(Optional)
<i>icmp-inactive-addr</i>	(Optional)
TABLE_stat_last_never	(Optional)
<i>stat-last-never</i>	(Optional)
TABLE_rfc4293_ip_soft_proc_traffic	(Optional)
TABLE_rfc_reception	(Optional)
<i>inrcv</i>	(Optional)
<i>inoctet</i>	(Optional)
<i>inhdrrr</i>	(Optional)
<i>innoroutes</i>	(Optional)
<i>inaddrerr</i>	(Optional)
<i>innoproto</i>	(Optional)
<i>intruncated</i>	(Optional)
<i>inforw</i>	(Optional)
<i>reasmreqds</i>	(Optional)
<i>reasmoks</i>	(Optional)
<i>reasmfails</i>	(Optional)
<i>indiscards</i>	(Optional)
<i>indelivers</i>	(Optional)
<i>inmcastpkts</i>	(Optional)
<i>inmcastbytes</i>	(Optional)
<i>inbaspkts</i>	(Optional)
TABLE_rfc_transmission	(Optional)
<i>out-req</i>	(Optional)
<i>out-no-route</i>	(Optional)
<i>out-forwdgrams</i>	(Optional)

<i>out-discards</i>	(Optional)
<i>out-frag-req</i>	(Optional)
<i>out-frag-oks</i>	(Optional)
<i>out-frag-fails</i>	(Optional)
<i>out-frag-create</i>	(Optional)
<i>out-transmits</i>	(Optional)
<i>byte-sent</i>	(Optional)
<i>out-mcast-pkts</i>	(Optional)
<i>out-mcast-bytes</i>	(Optional)
<i>out-bcast-pkts</i>	(Optional)
<i>out-bcast-bytes</i>	(Optional)

Command Mode

- /exec

show ip traffic pps

```
show ip traffic pps [ __readonly__ [ { TABLE_ip_pps [ <ip_pps_type> ] <ip_pps_threshold_size>
<ip_pps_threshold_log_interval> } ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
traffic	Display IP software processed traffic statistics
pps	Display packets per second threshold config information
<i>__readonly__</i>	(Optional)
<i>TABLE_ip_pps</i>	(Optional) Show ip traffic pps type
<i>ip_pps_type</i>	(Optional) IP PPS type
<i>ip_pps_threshold_size</i>	(Optional) Show IP PPS limit
<i>ip_pps_threshold_log_interval</i>	(Optional) Show IP PPS log interval

Command Mode

- /exec

show ip udp relay

```
show ip udp relay [ __readonly__ <udp_relay_service_enable> <udp_relay_hdr> [ { TABLE_default_ports
<port_name> <udp_relay_port_enable> } ] <udp_ports_hdr> [ TABLE_ports <udp_port_num> ]
<udp_intf_hdr> [ TABLE_intf <udp_intf_idx> <udp_sub_bcast> <udp_objgrp> ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
<i>__readonly__</i>	(Optional) Read only
<i>udp_relay_service_enable</i>	(Optional)
<i>udp_relay_hdr</i>	(Optional)
TABLE_default_ports	(Optional)
<i>port_name</i>	(Optional) UDP Port Name
<i>udp_relay_port_enable</i>	(Optional)
<i>udp_ports_hdr</i>	(Optional)
TABLE_ports	(Optional)
<i>udp_port_num</i>	(Optional)
<i>udp_intf_hdr</i>	(Optional)
TABLE_intf	(Optional)
<i>udp_intf_idx</i>	(Optional) UDP relay interfaces
<i>udp_sub_bcast</i>	(Optional)
<i>udp_objgrp</i>	(Optional) Object-group

Command Mode

- /exec

show ip udp relay interface

```
show ip udp relay interface [ <intf_range> ] [ __readonly__ <udp_intf_hdr> [ TABLE_intf <udp_intf_idx>
<udp_sub_bcast> <udp_objgrp> ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
interface	Interface ID
<i>intf_range</i>	(Optional) interface
<i>__readonly__</i>	(Optional) Read only
<i>udp_intf_hdr</i>	(Optional)
TABLE_intf	(Optional)
<i>udp_intf_idx</i>	(Optional) UDP relay interfaces
<i>udp_sub_bcast</i>	(Optional)
<i>udp_objgrp</i>	(Optional) Object-group

Command Mode

- /exec

show ip udp relay object-group

```
show ip udp relay object-group [ <obj-grp-name> ] [ __readonly__ [ TABLE_objgrp_list [ <udp_objgrp> ]
[ TABLE_objgrp [ <host_addr> ] [ <net_addr> <net_mask> ] [ <prefix_addr> <prefix_len> ] ] <udp_intf_hdr>
[ TABLE_intf <udp_intf_idx> ] ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
object-group	Object-group
<i>obj-grp-name</i>	(Optional) object-group name
<i>__readonly__</i>	(Optional) Read only
TABLE_objgrp_list	(Optional)
<i>udp_objgrp</i>	(Optional) Object-group
TABLE_objgrp	(Optional)
<i>host_addr</i>	(Optional) Host Address
<i>net_addr</i>	(Optional) Network Address
<i>net_mask</i>	(Optional) Network Mask
<i>prefix_addr</i>	(Optional) Network Address
<i>prefix_len</i>	(Optional) IP Prefix Length
<i>udp_intf_hdr</i>	(Optional)
TABLE_intf	(Optional)
<i>udp_intf_idx</i>	(Optional) UDP relay interfaces

Command Mode

- /exec

show ip verify source

```
show ip verify source [ interface <intf6> ] [ __readonly__ [ <verify_ipsg_exclude_vlans> ] [
<verify_intf_ipsg_val> | <verify_ipsg_enable_intf> ] [ TABLE_verified_intf<verified_ipsg_enable_intf>
] [ <verify_hdr> ] [ { TABLE_verify_entry <verify_intf> [ <verify_intf_ipsg_val> ] [ {
TABLE_verify_entry_intf<verify_ipsg_enable_intf> } ] <verify_filter_mode> [ <verify_ip_addr> ] [
<verify_mac_addr> ] [ <verify_vlan> ] } ] ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
verify	Verify IPSG information
source	IPSG source
interface	(Optional) Interface
<i>intf6</i>	(Optional) interface
<i>__readonly__</i>	(Optional) Read only
<i>verify_ipsg_exclude_vlans</i>	(Optional)
<i>verify_hdr</i>	(Optional) IP source guard operational entries
<i>verify_intf_ipsg_val</i>	(Optional) IP source guard value (enabled or disable)
<i>verify_ipsg_enable_intf</i>	(Optional) IP source guard enabled interfaces names
TABLE_verified_intf	(Optional)
<i>verified_ipsg_enable_intf</i>	(Optional)
TABLE_verify_entry	(Optional)
<i>verify_filter_mode</i>	(Optional)
<i>verify_intf</i>	(Optional)
TABLE_verify_entry_intf	(Optional)
<i>verify_ip_addr</i>	(Optional) verify ip address
<i>verify_mac_addr</i>	(Optional) verify mac address
<i>verify_vlan</i>	(Optional) vlan for interface

Command Mode

- /exec

show ipt details

```
show ipt details [ __readonly__ <probe_marker> [ { TABLE_source_monitor <source_monitor> [
<source_monitor_properties> ] } ] [ { TABLE_sink_monitor <sink_monitor> [ <sink_monitor_properties>
] } ] [ { TABLE_source_record <source_record> [ <source_record_properties> + ] } ] [ { TABLE_sink_record
<sink_record> [ <sink_record_properties> + ] } ] [ { TABLE_sink_collector <sink_collector> [
<collector_properties> + ] } ] ] ]
```

Syntax Description

ipt	Display IPT information
details	Show IPT details
<i>__readonly__</i>	(Optional)
<i>probe_marker</i>	(Optional) Probe Marker applied
TABLE_source_monitor	(Optional) Source Monitor Table
<i>source_monitor</i>	(Optional) Source Monitor Information
<i>source_monitor_properties</i>	(Optional) Attributes under the source monitor
TABLE_sink_monitor	(Optional) Sink Monitor Table
<i>sink_monitor</i>	(Optional) Sink Monitor Information
<i>sink_monitor_properties</i>	(Optional) Attributes under the source monitor
TABLE_source_record	(Optional) Source Monitor Table
<i>source_record</i>	(Optional) Source Monitor Information
<i>source_record_properties</i>	(Optional) Attributes under the source record
TABLE_sink_record	(Optional) Sink Monitor Table
<i>sink_record</i>	(Optional) Sink Monitor Information
<i>sink_record_properties</i>	(Optional) Attributes under the source record
TABLE_sink_collector	(Optional) Sink Collector Table
<i>sink_collector</i>	(Optional) Sink Collector Information
<i>collector_properties</i>	(Optional) Attributes under the sink collector

Command Mode

- /exec

show ipv6 adjacency

```
show ipv6 { adjacency | neighbor } [ <interface> [ summary ] | <ipv6-addr> [ detail ] | detail | summary |
non-best | [ throttle ] statistics ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [
<invalid_pkt_cnt> ] [ <invalid_byte_cnt> ] [ <global_drop_pkt_cnt> ] [ <global_drop_byte_cnt> ] [
<global_punt_pkt_cnt> ] [ <global_punt_byte_cnt> ] [ <global_glean_pkt_cnt> ] [ <global_glean_byte_cnt>
] [ <glean_pkt_cnt> ] [ <glean_byte_cnt> ] [ <normal_pkt_cnt> ] [ <normal_byte_cnt> ] [ <last_updated> ]
[ <count-static> ] [ <count-dynamic> ] [ <count-others> ] [ <count-throttle> ] [ <count-total> ] [ TABLE_vrf
<vrf-name-out> [ TABLE_afi <afi> <count> [ TABLE_adj <intf-out> <ipv6-addr> [ <phy-intf> ] <time-stamp>
<mac> <pref> <owner> [ <pkt-count> ] [ <byte-count> ] [ <mobility> ] [ <is-best> ] [ <is-thrld> ] ] ] ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
neighbor	Show IPv6 neighbor entry
<i>interface</i>	(Optional) Display specific interface adjacencies only
detail	(Optional) Show detail information of adjacency entries
summary	(Optional) Show adjacency summary
non-best	(Optional) Show both best/non-best entries
throttle	(Optional) Throttle
statistics	(Optional) Show adjacency statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Show adjacency entries for all vrfs
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name-out</i>	(Optional) VRF name
<i>invalid_pkt_cnt</i>	(Optional) Invalid packet count
<i>invalid_byte_cnt</i>	(Optional) Invalid byte count
<i>global_drop_pkt_cnt</i>	(Optional) Global drop packet count
<i>global_drop_byte_cnt</i>	(Optional) Global drop byte count

<i>global_punt_pkt_cnt</i>	(Optional) Global punt packet count
<i>global_punt_byte_cnt</i>	(Optional) Global punt byte count
<i>global_glean_pkt_cnt</i>	(Optional) Global glean packet count
<i>global_glean_byte_cnt</i>	(Optional) Global glean byte count
<i>glean_pkt_cnt</i>	(Optional) Glean packet count
<i>glean_byte_cnt</i>	(Optional) Glean byte count
<i>normal_pkt_cnt</i>	(Optional) Packet count
<i>normal_byte_cnt</i>	(Optional) Byte count
<i>last_updated</i>	(Optional) Lat updated
<i>count-static</i>	(Optional) Static count
<i>count-dynamic</i>	(Optional) Dynamic count
<i>count-others</i>	(Optional) Others count
<i>count-throttle</i>	(Optional) Throttled count
<i>count-total</i>	(Optional) Total count
TABLE_afi	(Optional) AFI table
<i>afi</i>	(Optional) AFI
<i>count</i>	(Optional) Count
TABLE_adj	(Optional) Adjacency table for IPV6
<i>intf-out</i>	(Optional) Interface
<i>phy-intf</i>	(Optional) Physical interface
<i>time-stamp</i>	(Optional) Age
<i>mac</i>	(Optional) MAC address
<i>pref</i>	(Optional) Preference
<i>owner</i>	(Optional) Owner
<i>pkt-count</i>	(Optional) Packet count
<i>byte-count</i>	(Optional) Byte count
<i>mobility</i>	(Optional) Mobility
<i>is-best</i>	(Optional) Best
<i>is-thrtld</i>	(Optional) Throttled

Command Mode

- /exec

show ipv6 adjacency aggregate-prefix

```
show ipv6 adjacency aggregate-prefix [ [ vlan <vlan-id> ] [ summary ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] ] [ __readonly__ [ TABLE_vlan <vlan-id> { <ipv6-agg-prefix-vlan-count> | <ipv6-agg-prefix>
<ref-count> } ] <ipv6-agg-prefix-total-count> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
aggregate-prefix	aggregate-prefix PT info
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Vlan
summary	(Optional) Show aggregate-prefix summary
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 AM entries for all vrfs
__readonly__	(Optional)
<i>ipv6-agg-prefix-total-count</i>	(Optional) ipv6 aggregate-prefix total count
TABLE_vlan	(Optional) TABLR vlan
<i>vlan-id</i>	(Optional) vlan id
<i>ipv6-agg-prefix-vlan-count</i>	(Optional) show ipv6 aggregate-prefix summary
<i>ipv6-agg-prefix</i>	(Optional) Ipv6 aggregate prefix
<i>ref-count</i>	(Optional) reference-hop count

Command Mode

- /exec

show ipv6 adjacency subnet-prefix

```
show ipv6 adjacency subnet-prefix [ [ vlan <vlan-id> ] [ summary ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] ] [ __readonly__ [ TABLE_vlan <vlan-id> { <ipv6-subnet-prefix-vlan-count> | <ipv6-subnet-prefix>
<agg-len> <nh-count> } ] <ipv6-subnet-prefix-total-count> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
subnet-prefix	subnet-prefix PT info
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Vlan
summary	(Optional) Show subnet-prefix summary
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 ARP entries for all vrfs
<i>__readonly__</i>	(Optional)
<i>ipv6-subnet-prefix-total-count</i>	(Optional) ipv6 subnet-prefix total count
TABLE_vlan	(Optional) TABLE vlan
<i>vlan-id</i>	(Optional) vlan id
<i>ipv6-subnet-prefix-vlan-count</i>	(Optional) show ipv6 subnet-prefix summary
<i>ipv6-subnet-prefix</i>	(Optional) Ipv6 subnet prefix
<i>agg-len</i>	(Optional) aggregate-length
<i>nh-count</i>	(Optional) next-hop count

Command Mode

- /exec

show ipv6 amt tunnel

```
show ipv6 amt tunnel [ <address6> <port> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__
TABLE_vrf <vrf> <tc6> { TABLE_tunnel <gwa> <gwp> <ut> <ld> <lr> <rc> <exp> { TABLE_route
<source> <group> <rexp> } } ]
```

Syntax Description

show	Show running system information
amt	AMT show commands
ipv6	Display IPv6 information
tunnel	Display tunnel information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>port</i>	(Optional) UDP port number of gateway
detail	(Optional) Display routes joined by tunnel endpoint
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
<i>tc6</i>	(Optional)
TABLE_tunnel	(Optional)
<i>gwa</i>	(Optional)
<i>gwp</i>	(Optional)
<i>ut</i>	(Optional)
<i>ld</i>	(Optional)
<i>lr</i>	(Optional)
<i>rc</i>	(Optional)
<i>exp</i>	(Optional)
TABLE_route	(Optional)
<i>source</i>	(Optional)
<i>group</i>	(Optional)

<i>rexp</i>	(Optional)
-------------	------------

Command Mode

- /exec

show ipv6 bgp

```
show ipv6 { bgp | mbgp } { route-map { <rmap-name> | <rmap-name> } | prefix-list { <prfxlist-name> |
<test_pol_name> } | filter-list { <fltrlist-name> | <test_pol_name> } | community-list { <commlist-name> |
<test_pol_name> } | extcommunity-list { <extcommlist-name> | <test_pol_name> } [ exact-match ] }
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list
community-list	Display routes matching the community-list
<i>commlist-name</i>	Name of community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>extcommlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ipv6 bgp

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [
<ipv6-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234
} ]
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
longer-prefixes	(Optional) Display route and more specific routes

Command Mode

- /exec

show ipv6 bgp community

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
community { <regex-str> | { { <comm-id> | <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv6	Display BGP information for IPv6 address family
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
community	Display routes matching the BGP communities
<i>regex-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ipv6 bgp dampening

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
dampening { dampened-paths [ regexp <regexp-str> ] | history-paths [ regexp <regexp-str> ] | parameters |
flap-statistics } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
parameters	Display dampening parameters
dampened-paths	Display all dampened paths
history-paths	Display all history paths
flap-statistics	Display flap statistics for routes
ipv6	Display BGP information for IPv6 address family
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show ipv6 bgp extcommunity

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
extcommunity { <regexp-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>regexp-str</i>	Regular expression to match the extcommunities
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show ipv6 bgp flap-statistics

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
flap-statistics [ <ipv6-prefix> ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
flap-statistics	Display route flap statistics
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 bgp neighbors

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
neighbors { [ { <neighbor-id> | <ipv6-neighbor-id> } [ routes [ advertised | received | dampened ] |
advertised-routes | paths | received-routes | flap-statistics ] ] | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id>
} [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
neighbors	Display all configured BGP neighbors
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	Display details for a prefix peering
ipv6	Display BGP information for IPv6 address family
routes	(Optional) Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
advertised-routes	(Optional) Display all the routes advertised to this peer
received-routes	(Optional) Display all the routes received from this peer
flap-statistics	(Optional) Display flap statistics for routes received from this peer
paths	(Optional) Display AS paths learned from this peer

Command Mode

- /exec

show ipv6 bgp nexthop-database

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
nexthop-database [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop-database	Display nexthop database
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 bgp nexthop

```
show ipv6 { bgp | mbgp } nexthop <ipv6nexthop>
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
nexthop	Display routes matching the nexthop

Command Mode

- /exec

show ipv6 bgp received-paths

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
received-paths [ private ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 bgp regexp

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] regexp
<regexp-str> [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv6	Display BGP information for IPv6 address family
regexp	Display routes matching the AS path regular expression
<i>regexp-str</i>	Regular expression to match the AS paths

Command Mode

- /exec

show ipv6 bgp summary

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 client

```
show ipv6 client [ <client-name> ] [ __readonly__ { TABLE_ipv6_client { <cli-name> <cli-stat> <cli-pid>
<cli-ext-pid> [ <protocol> ] <pib-index> <cli-uuid> <rou-vrf> <rou-flg> <ctrl-sap> <data-sap> <ipc-ctrl-mq>
<ipc-ctrl-fail> <ipc-data-mq> <ipc-data-fail> [ <if-ext-ind> ] [ <recv-fn> <recv-hex> ] } } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
client	Display clients registered with the IPv6 process
<i>client-name</i>	(Optional) Display information for a single IPv6 client
<i>__readonly__</i>	(Optional)
TABLE_ipv6_client	(Optional) IPV6 client table
<i>cli-name</i>	(Optional) client name
<i>cli-stat</i>	(Optional) client state
<i>cli-pid</i>	(Optional) client pid
<i>cli-ext-pid</i>	(Optional) client ext-pid
<i>protocol</i>	(Optional) ipv6 client protocol
<i>pib-index</i>	(Optional) client pib-index
<i>cli-uuid</i>	(Optional) client uuid
<i>rou-vrf</i>	(Optional) client route vrf
<i>rou-flg</i>	(Optional) client route flag
<i>ctrl-sap</i>	(Optional) client control sap
<i>data-sap</i>	(Optional) client data sap
<i>ipc-ctrl-mq</i>	(Optional) client ipc control message queue
<i>ipc-ctrl-fail</i>	(Optional) client ipc control fail
<i>ipc-data-mq</i>	(Optional) client ipc data message queue
<i>ipc-data-fail</i>	(Optional) client ipc data fail
<i>if-ext-ind</i>	(Optional) client if ext indes
<i>recv-fn</i>	(Optional) client receive fn name
<i>recv-hex</i>	(Optional) receive-hexadecimal address

Command Mode

- /exec

show ipv6 dhcp guard policy

```
show ipv6 dhcp guard policy [ <pname> ] [ __readonly__ { TABLE_dhcp_guard_policy <name> <role> [ <target> ] [ <max_pref> ] [ <min_pref> ] [ <match_src_list> ] [ <match_prefix_list> ] } ]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>pname</i>	(Optional) Policy name for dhcp guard feature
<i>__readonly__</i>	(Optional)
TABLE_dhcp_guard_policy	(Optional) IPv6 DHCP guard policy
<i>name</i>	(Optional) Policy Name
<i>role</i>	(Optional) Role
<i>target</i>	(Optional) Target
<i>max_pref</i>	(Optional) Max preference
<i>min_pref</i>	(Optional) Min preference
<i>match_src_list</i>	(Optional) Source Address Match Access List
<i>match_prefix_list</i>	(Optional) Prefix List Match Prefix List

Command Mode

- /exec

show ipv6 dhcp relay

```
show ipv6 dhcp relay [ interface <intf-range> ] [ __readonly__ [ <relay_service_enable>
<v6_global_smart-relay_enable> [ <gbl_src_intf> ] <relay_vpn_enable> <relay_option79_state>
<relay_cisco_option_enable> <relay_prefix_delegation> ] [ TABLE_intf <interface-name> [ <intf_src_intf>
] <intf_header> [ TABLE_addr <relay_address> <dst_intf> <vrf_name> ] ] <v6_smart_relay_intf_hdr> [
TABLE_intf <v6_smart_relay_enabled_intf> ] ]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
interface	(Optional) DHCPv6 relay address of the interface
<i>intf-range</i>	(Optional) interface
<i>__readonly__</i>	(Optional) Read only
<i>relay_service_enable</i>	(Optional) is dhcpv6 relay service enabled
<i>v6_global_smart-relay_enable</i>	(Optional)
<i>gbl_src_intf</i>	(Optional) interface name
<i>relay_vpn_enable</i>	(Optional) is dhcpv6 relay insertion of vpn sub options enabled
<i>relay_option79_state</i>	(Optional) is dhcp relay option79 state
<i>relay_cisco_option_enable</i>	(Optional) is dhcpv6 relay cisco option enabled
<i>relay_prefix_delegation</i>	(Optional) is dhcpv6 relay prefix delegation route add enabled
TABLE_intf	(Optional)
<i>interface-name</i>	(Optional) interface name
<i>intf_src_intf</i>	(Optional) interface name
<i>intf_header</i>	(Optional) interface header
TABLE_addr	(Optional)
<i>dst_intf</i>	(Optional) interface name
<i>vrf_name</i>	(Optional) VRF name
<i>v6_smart_relay_intf_hdr</i>	(Optional) Smart relay interfaces header
TABLE_intf	(Optional)

<i>v6_smart_relay_enabled_intf</i>	(Optional) smart-relay enabled interfaces
------------------------------------	---

Command Mode

- /exec

show ipv6 dhcp relay prefix-delegation

```
show ipv6 dhcp relay prefix-delegation [ interface <intf> | client <ipv6-addr> | prefix <ipv6-prefix> ] [
__readonly__ [ TABLE_iapd_entry <dhcpv6_iapd_index> <client-addr> <intf> <lease> <prefix> ] ]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
prefix-delegation	Delegated prefix bindings
interface	(Optional) Display prefix bindings for an interface
<i>intf</i>	(Optional) interface
client	(Optional) Display prefix bindings for a client
prefix	(Optional) Display a specific prefix binding
__readonly__	(Optional) Read only
TABLE_iapd_entry	(Optional)
<i>dhcpv6_iapd_index</i>	(Optional) DHCPv6 iapd index
<i>intf</i>	(Optional) Connected Interface
<i>lease</i>	(Optional) Expiry time in sec

Command Mode

- /exec

show ipv6 dhcp relay prefix-delegation detail

```
show ipv6 dhcp relay prefix-delegation [ interface <intf> | client <ipv6-addr> | prefix <ipv6-prefix> ] detail
[ __readonly__ [ TABLE_iapd_entry <dhcpv6_iapd_index> <client-addr> <intf> <duid> <iaid> <prefix>
<validlife> <lease> ] ]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
prefix-delegation	Delegated prefix bindings
interface	(Optional) Display prefix bindings for an interface
<i>intf</i>	(Optional) interface
client	(Optional) Display prefix bindings for a client
prefix	(Optional) Display a specific prefix binding
detail	Display detailed information
<u>__readonly__</u>	(Optional) Read only
TABLE_iapd_entry	(Optional)
<i>dhcpv6_iapd_index</i>	(Optional) DHCPv6 iapd index
<i>intf</i>	(Optional) Connected Interface
<i>duid</i>	(Optional) Client DUID
<i>iaid</i>	(Optional) Client IAID
<i>validlife</i>	(Optional) Valid Lifetime
<i>lease</i>	(Optional) Expiry time in sec

Command Mode

- /exec

show ipv6 dhcp relay statistics

```
show ipv6 dhcp relay statistics [ interface <intf> [ [ server-ip <ip-addr-val> [ use-vrf <vrf-name> ] [ interface
<dest-interface> ] ] ] [ server-ip <ip-addr-val> [ interface <dest-interface> ] [ use-vrf <vrf-name> ] ] ] [
__readonly__ [ <msg_stats_hdr> <msg_type_str> <rx_pkts> <tx_pkts> <drops> <msg_type_str_advertise>
<rx_pkts_advertise> <tx_pkts_advertise> <drops_advertise> <msg_type_str_request> <rx_pkts_request>
<tx_pkts_request> <drops_request> <msg_type_str_confirm> <rx_pkts_confirm> <tx_pkts_confirm>
<drops_confirm> <msg_type_str_renew> <rx_pkts_renew> <tx_pkts_renew> <drops_renew>
<msg_type_str_rebind> <rx_pkts_rebind> <tx_pkts_rebind> <drops_rebind> <msg_type_str_reply>
<rx_pkts_reply> <tx_pkts_reply> <drops_reply> <msg_type_str_release> <rx_pkts_release> <tx_pkts_release>
<drops_release> <msg_type_str_decline> <rx_pkts_decline> <tx_pkts_decline> <drops_decline>
<msg_type_str_reconfigure> <rx_pkts_reconfigure> <tx_pkts_reconfigure> <drops_reconfigure>
<msg_type_str_inforeq> <rx_pkts_inforeq> <tx_pkts_inforeq> <drops_inforeq> <msg_type_str_relay_fwd>
<rx_pkts_relay_fwd> <tx_pkts_relay_fwd> <drops_relay_fwd> <msg_type_str_relay_reply>
<rx_pkts_relay_reply> <tx_pkts_relay_reply> <drops_relay_reply> <msg_type_str_unknown>
<rx_pkts_unknown> <tx_pkts_unknown> <drops_unknown> <msg_type_str_total> <rx_pkts_total>
<tx_pkts_total> <drops_total> ] [ <server_stats_hdr> [ TABLE_server <server_helper_addr> <server_vrf>
<server_intf> <server_requests> <server_responses> ] ] [ <drop_hdr> <drop_relay_disable> <drop_max_hops>
<drop_validation_fails> <drop_unknown_op_intf> <drop_bad_context> <drop_opt_insert_fail>
<drop_server_direct_reply> <drop_no_ipv6_addr> <drop_intf_error> <drop_vpn_disabled>
<drop_ipv6_extn_hdrs_presence> <drop_mct_drop> ] ]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show information about DHCPv6
relay	DHCPv6 Relay
statistics	Statistics related to DHCPv6
interface	(Optional) input interface
<i>intf</i>	(Optional) interface
server-ip	(Optional) Server address
use-vrf	(Optional) server address VRF membership
<i>vrf-name</i>	(Optional) VRF name
interface	(Optional) Destination interface for the server address
<i>dest-interface</i>	(Optional) Destination interface
<i>__readonly__</i>	(Optional) Read only
<i>msg_stats_hdr</i>	(Optional) dhcpv6 message statistics header
<i>msg_type_str</i>	(Optional) dhcpv6 message type

<i>rx_pkts</i>	(Optional) dhcpv6 received packets
<i>tx_pkts</i>	(Optional) dhcpv6 forwarded packets
<i>drops</i>	(Optional) dhcpv6 packet drops
<i>msg_type_str_advertise</i>	(Optional)
<i>rx_pkts_advertise</i>	(Optional)
<i>tx_pkts_advertise</i>	(Optional)
<i>drops_advertise</i>	(Optional)
<i>msg_type_str_request</i>	(Optional)
<i>rx_pkts_request</i>	(Optional)
<i>tx_pkts_request</i>	(Optional)
<i>drops_request</i>	(Optional)
<i>msg_type_str_confirm</i>	(Optional)
<i>rx_pkts_confirm</i>	(Optional)
<i>tx_pkts_confirm</i>	(Optional)
<i>drops_confirm</i>	(Optional)
<i>msg_type_str_renew</i>	(Optional)
<i>rx_pkts_renew</i>	(Optional)
<i>tx_pkts_renew</i>	(Optional)
<i>drops_renew</i>	(Optional)
<i>msg_type_str_rebind</i>	(Optional)
<i>rx_pkts_rebind</i>	(Optional)
<i>tx_pkts_rebind</i>	(Optional)
<i>drops_rebind</i>	(Optional)
<i>msg_type_str_reply</i>	(Optional)
<i>rx_pkts_reply</i>	(Optional)
<i>tx_pkts_reply</i>	(Optional)
<i>drops_reply</i>	(Optional)
<i>msg_type_str_release</i>	(Optional)
<i>rx_pkts_release</i>	(Optional)

<i>tx_pkts_release</i>	(Optional)
<i>drops_release</i>	(Optional)
<i>msg_type_str_decline</i>	(Optional)
<i>rx_pkts_decline</i>	(Optional)
<i>tx_pkts_decline</i>	(Optional)
<i>drops_decline</i>	(Optional)
<i>msg_type_str_reconfigure</i>	(Optional)
<i>rx_pkts_reconfigure</i>	(Optional)
<i>tx_pkts_reconfigure</i>	(Optional)
<i>drops_reconfigure</i>	(Optional)
<i>msg_type_str_inforeq</i>	(Optional)
<i>rx_pkts_inforeq</i>	(Optional)
<i>tx_pkts_inforeq</i>	(Optional)
<i>drops_inforeq</i>	(Optional)
<i>msg_type_str_relay_fwd</i>	(Optional)
<i>rx_pkts_relay_fwd</i>	(Optional)
<i>tx_pkts_relay_fwd</i>	(Optional)
<i>drops_relay_fwd</i>	(Optional)
<i>msg_type_str_relay_reply</i>	(Optional)
<i>rx_pkts_relay_reply</i>	(Optional)
<i>tx_pkts_relay_reply</i>	(Optional)
<i>drops_relay_reply</i>	(Optional)
<i>msg_type_str_unknown</i>	(Optional)
<i>rx_pkts_unknown</i>	(Optional)
<i>tx_pkts_unknown</i>	(Optional)
<i>drops_unknown</i>	(Optional)
<i>msg_type_str_total</i>	(Optional) total of all dhcpv6 message types
<i>rx_pkts_total</i>	(Optional)
<i>tx_pkts_total</i>	(Optional)

<i>drops_total</i>	(Optional)
<i>server_stats_hdr</i>	(Optional) per-server statistics header
TABLE_server	(Optional)
<i>server_vrf</i>	(Optional) dhcpv6 server vrf
<i>server_intf</i>	(Optional) interface name
<i>server_requests</i>	(Optional)
<i>server_responses</i>	(Optional)
<i>drop_hdr</i>	(Optional)
<i>drop_relay_disable</i>	(Optional)
<i>drop_max_hops</i>	(Optional)
<i>drop_validation_fails</i>	(Optional)
<i>drop_unknown_op_intf</i>	(Optional)
<i>drop_bad_context</i>	(Optional)
<i>drop_opt_insert_fail</i>	(Optional)
<i>drop_server_direct_reply</i>	(Optional)
<i>drop_no_ipv6_addr</i>	(Optional)
<i>drop_intf_error</i>	(Optional)
<i>drop_vpn_disabled</i>	(Optional)
<i>drop_ipv6_extn_hdrs_presence</i>	(Optional)
<i>drop_mct_drop</i>	(Optional) drops through mct

Command Mode

- /exec

show ipv6 fragments

```
show ipv6 fragments [ <source-addr> ] [ __readonly__ [ TABLE_ipv6_frag [ TABLE_ipv6_each_q {
<ipv6-src> <ipv6-dest> <frag-id> <frag-off> <m-flag> <nxt-header> <pay-load> <expires> } ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
fragments	Display queued fragments
__readonly__	(Optional)
TABLE_ipv6_frag	(Optional) IPV6 fragment table
TABLE_ipv6_each_q	(Optional) IPV6 each fragment queue table
<i>frag-id</i>	(Optional) fragment id
<i>frag-off</i>	(Optional) fragment offset
<i>m-flag</i>	(Optional) m flag
<i>nxt-header</i>	(Optional) next header
<i>pay-load</i>	(Optional) fargment payload
<i>expires</i>	(Optional) expiry time

Command Mode

- /exec

show ipv6 icmp

```
show ipv6 icmp { adjacency | neighbor | sync-entries } [ <interface> ] [ detail ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ { <icmpv6-vrftype> <icmpv6-cxt-name> } [ TABLE_icmpv6_all_int
{ TABLE_icmpv6_one_int { <icmpv6-ipv6-addr> <time-stamp-icmpv6> <icmpv6-mac> <icmpv6-state>
<icmpv6-short-name> [ <phy-int-short-name> ] } } ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
adjacency	Show IPv6 dynamic learnt adjacency entry
neighbor	Show IPv6 dynamic learnt neighbor entry
sync-entries	Show IPv6 table learnt only due to table sync
<i>interface</i>	(Optional) Interface name to display
detail	(Optional) Display detailed information
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>__readonly__</i>	(Optional)
<i>icmpv6-vrftype</i>	(Optional)
<i>icmpv6-cxt-name</i>	(Optional)
TABLE_icmpv6_all_int	(Optional)
TABLE_icmpv6_one_int	(Optional)
<i>time-stamp-icmpv6</i>	(Optional)
<i>icmpv6-mac</i>	(Optional)
<i>icmpv6-state</i>	(Optional)
<i>icmpv6-short-name</i>	(Optional)
<i>phy-int-short-name</i>	(Optional)

Command Mode

- /exec

show ipv6 icmp global traffic

```
show ipv6 { icmp | nd } global traffic [ __readonly__ [ { TABLE_icmpv6_global_stat [ <st-total> ] [ <rv-total> ] [ <st-rewrite> ] [ <st-drop-rewrite> ] [ <st-err> ] [ <rv-err> ] [ <st-int-drp-cnt> ] [ <rv-int-drp-cnt> ] [ <st-adj-nt-recov-am-ha> ] [ <rv-adj-nt-recov-am-ha> ] [ <st-pkt-allow-inv-ttl-vpc> ] [ <rv-pkt-allow-inv-ttl-vpc> ] [ <st-drp-src-mac-own> ] [ <rv-drp-src-mac-own> ] [ <st-drp-tgt-ip-not-own> ] [ <rv-drp-tgt-ip-not-own> ] [ <st-drp-src-ip-not-own> ] [ <rv-drp-src-ip-not-own> ] [ <st-dest-unreach> ] [ <rv-dest-unreach> ] [ <st-admin-prohibit> ] [ <rv-admin-prohibit> ] [ <st-time-exceed> ] [ <rv-time-exceed> ] [ <st-para-pbms> ] [ <rv-para-pbms> ] [ <st-echo-req> ] [ <rv-echo-req> ] [ <st-echo-reply> ] [ <rv-echo-reply> ] [ <st-redirect> ] [ <rv-redirect> ] [ <st-pkt-too-big> ] [ <rv-pkt-too-big> ] [ <st-rtr-adver> ] [ <rv-rtr-adver> ] [ <st-rtr-solicit> ] [ <rv-rtr-solicit> ] [ <st-nei-adver> ] [ <rv-nei-adver> ] [ <st-nei-solicit> ] [ <rv-nei-solicit> ] [ <fast-path-pkts> ] [ <fastpath-disable> ] [ <ign-fastpath-pkts> ] [ <dup-rtr-ra-recvd> ] [ <rv-dup-rtr-ra-recvd> ] [ <oc-dtx-req-rcv-cnt> ] [ <oc-dtx-resp-snt-cnt> ] [ <oc-dtx-session-drp-cnt> ] } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
global	Show ICMPv6/ND global variables
traffic	Display ICMPv6 software processed traffic statistics
__readonly__	(Optional)
TABLE_icmpv6_global_stat	(Optional) ICMPV6 global statistics
<i>st-total</i>	(Optional) total sent messages
<i>rv-total</i>	(Optional) total receive messages
<i>st-rewrite</i>	(Optional) total rewritten packets
<i>st-drop-rewrite</i>	(Optional) total dropped rewritten packets
<i>st-err</i>	(Optional) total sent error message
<i>rv-err</i>	(Optional) total receive error message
<i>st-int-drp-cnt</i>	(Optional) sent interface down drop count
<i>rv-int-drp-cnt</i>	(Optional) receive interface down drop count
<i>st-adj-nt-recov-am-ha</i>	(Optional) sent Adjacency not recovered from AM aft HA
<i>rv-adj-nt-recov-am-ha</i>	(Optional) receive Adjacency not recovered from AM aft HA
<i>st-pkt-allow-inv-ttl-vpc</i>	(Optional) sent Pkts allowed due to inv ttl on vPC-MCT

<i>rv-pkt-allow-inv-ttl-vpc</i>	(Optional) receive Pkts allowed due to inv ttl on vPC-MCT
<i>st-drp-src-mac-own</i>	(Optional) sent packet drop source mac address own
<i>rv-drp-src-mac-own</i>	(Optional) receive packet drop source mac address own
<i>st-drp-tgt-ip-not-own</i>	(Optional) sent drop tgt ip address not own
<i>rv-drp-tgt-ip-not-own</i>	(Optional) receive drop tgt ip address not own
<i>st-drp-src-ip-not-own</i>	(Optional) sent dropped source ip address
<i>rv-drp-src-ip-not-own</i>	(Optional) receive dropped source ip address
<i>st-dest-unreach</i>	(Optional) sent destination unreachable
<i>rv-dest-unreach</i>	(Optional) receive destination unreachable
<i>st-admin-prohibit</i>	(Optional) sent Administratively Prohibited
<i>rv-admin-prohibit</i>	(Optional) receive Administratively Prohibited
<i>st-time-exceed</i>	(Optional) sent time exceeded
<i>rv-time-exceed</i>	(Optional) receive time exceeded
<i>st-para-pbms</i>	(Optional) sent parameter problems
<i>rv-para-pbms</i>	(Optional) receive parameter problems
<i>st-echo-req</i>	(Optional) sent echo request
<i>rv-echo-req</i>	(Optional) receive echo request
<i>st-echo-reply</i>	(Optional) sent echo replies
<i>rv-echo-reply</i>	(Optional) receive echo replies
<i>st-redirect</i>	(Optional) sent redirects
<i>rv-redirect</i>	(Optional) receive redirects
<i>st-pkt-too-big</i>	(Optional) sent packet too big
<i>rv-pkt-too-big</i>	(Optional) receive packet too big
<i>st-rtr-adver</i>	(Optional) sent router advertisements
<i>rv-rtr-adver</i>	(Optional) receive router advertisements
<i>st-rtr-solicit</i>	(Optional) sent router solicitations
<i>rv-rtr-solicit</i>	(Optional) receive router solicitations
<i>st-nei-adver</i>	(Optional) sent neighbor advertisements
<i>rv-nei-adver</i>	(Optional) receive neighbor advertisements

<i>st-nei-solicit</i>	(Optional) sent neighbor solicitations
<i>rv-nei-solicit</i>	(Optional) receive neighbor solicitations
<i>fast-path-pkts</i>	(Optional) fastpath packets
<i>fastpath-disable</i>	(Optional) [fastpath disabled / others]
<i>ign-fastpath-pkts</i>	(Optional) Packets drop request ignore count
<i>dup-rtr-ra-recvd</i>	(Optional) Duplicate router RA sent
<i>rv-dup-rtr-ra-recvd</i>	(Optional) Duplicate router RA received
<i>oc-dtx-req-rcv-cnt</i>	(Optional) OC DTX Request Received Count
<i>oc-dtx-resp-snt-cnt</i>	(Optional) OC DTX Response Sent Count
<i>oc-dtx-session-drp-cnt</i>	(Optional) OC DTX Dropped Session Count

Command Mode

- /exec

show ipv6 icmp interface

```
{ show ipv6 { icmp | nd } interface [ <interface> ] { [ prefix [ full ] ] | [ route ] | [ detail ] } [ vrf { <vrf-name>
| <vrf-known-name> | all } ] } [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_intf <intf-name>
<proto-state> <link-state> <admin-state> [ TABLE_addr <addr> ] <subnet> <link-local-addr>
<icmpv6-disabled> <last-ns-sent> <last-na-sent> <last-ra-sent> <next-na-sent> <ra-min-interval> <ra-interval>
<set-m-flag> <set-o-flag> <current-hop-limit> <mtu> <router-lifetime> <reachable-time> <retrans-timer>
<ns-interval> <send-redirect> <send-unreachables> <ra-sent> <ra-rec> <rs-sent> <rs-rec> <na-sent> <na-rec>
<ns-sent> <ns-rec> <ns-drop-tent-state> <redirect-sent> <redirect-rec> <msg-sent> <msg-rec> <rewrite-sent>
<drop-rewrite-sent> <errors-sent> <erros-rec> <ifdown-sent> <ifdown-rec> <am-ha-not-ready> <allow-mct-ttl>
<our-own-mac> <tgt-not-us> <dest-unreachs-sent> <dest-unreachs-rec> <admin-prohibs-sent>
<admin-prohibs-rec> <time-excds-sent> <time-excds-rec> <parm-problems-sent> <parm-problems-rec>
<echos-sent> <echos-rec> <echo-replies-sent> <echo-replies-rec> <pkt-toobigs-sent> <pkt-toobigs-rec>
<fastpath-pkt-recv> <fastpath-disable-pkt-recv> <fastpath-ignore-pkt-recv> <uptime> <mld-config-il> [
TABLE_one_int <grp-id> <protocol-one-int> <client-uuid> <client-state-act> <client-in-use> TABLE_vip_list
<virt-ipv6> <virt-mac> <context_name> <context_id> <last-solocit-st> <last-nei-ad-st> <last-rtr-adv-st>
<nxt-rtr-ad-st> ] <max-dad-attempts> <current-dad-attempts> [ TABLE_route <route> <preference> <lifetime>
<info-option> <reachability-verify-enabled> <adv-route-info> <route-zero-lifetime> ] [ TABLE_prefix
<prefix> <enabled> <vlaidlife-time> <preferredlife-time> <on-link> <off-link> <autonomous> ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
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
nd	ICMPv6 Neighbor Discovery commands
interface	Display ICMPv6 related interface information
prefix	(Optional) Display List of ICMPv6 RA prefix
route	(Optional) Display List of ICMPv6 RA routes
full	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display ICMPv6 related interface information in detail
<i>interface</i>	(Optional) Interface name to show
__readonly__	(Optional)
TABLE_vrf	(Optional)

<i>vrf-name-out</i>	(Optional)
TABLE_intf	(Optional)
<i>intf-name</i>	(Optional)
<i>proto-state</i>	(Optional)
<i>link-state</i>	(Optional)
<i>admin-state</i>	(Optional)
TABLE_addr	(Optional)
<i>icmpv6-disabled</i>	(Optional)
<i>last-ns-sent</i>	(Optional)
<i>last-na-sent</i>	(Optional)
<i>last-ra-sent</i>	(Optional)
<i>next-na-sent</i>	(Optional)
<i>ra-min-interval</i>	(Optional)
<i>ra-interval</i>	(Optional)
<i>set-m-flag</i>	(Optional)
<i>set-o-flag</i>	(Optional)
<i>current-hop-limit</i>	(Optional)
<i>mtu</i>	(Optional)
<i>router-lifetime</i>	(Optional)
<i>reachable-time</i>	(Optional)
<i>retrans-timer</i>	(Optional)
<i>ns-interval</i>	(Optional)
<i>send-redirect</i>	(Optional)
<i>send-unreachables</i>	(Optional)
<i>ra-sent</i>	(Optional)
<i>ra-rec</i>	(Optional)
<i>rs-sent</i>	(Optional)
<i>rs-rec</i>	(Optional)
<i>na-sent</i>	(Optional)

<i>na-rec</i>	(Optional)
<i>ns-sent</i>	(Optional)
<i>ns-rec</i>	(Optional)
<i>ns-drop-tent-state</i>	(Optional)
<i>redirect-sent</i>	(Optional)
<i>redirect-rec</i>	(Optional)
<i>msg-sent</i>	(Optional)
<i>msg-rec</i>	(Optional)
<i>rewrite-sent</i>	(Optional)
<i>drop-rewrite-sent</i>	(Optional)
<i>errors-sent</i>	(Optional)
<i>erros-rec</i>	(Optional)
<i>ifdown-sent</i>	(Optional)
<i>ifdown-rec</i>	(Optional)
<i>am-ha-not-ready</i>	(Optional)
<i>allow-mct-ttl</i>	(Optional)
<i>our-own-mac</i>	(Optional)
<i>tgt-not-us</i>	(Optional)
<i>dest-unreachs-sent</i>	(Optional)
<i>dest-unreachs-rec</i>	(Optional)
<i>admin-prohibs-sent</i>	(Optional)
<i>admin-prohibs-rec</i>	(Optional)
<i>time-excds-sent</i>	(Optional)
<i>time-excds-rec</i>	(Optional)
<i>parm-problems-sent</i>	(Optional)
<i>parm-problems-rec</i>	(Optional)
<i>echos-sent</i>	(Optional)
<i>echos-rec</i>	(Optional)
<i>echo-replies-sent</i>	(Optional)

<i>echo-replies-rec</i>	(Optional)
<i>pkt-toobigs-sent</i>	(Optional)
<i>pkt-toobigs-rec</i>	(Optional)
<i>fastpath-pkt-recv</i>	(Optional)
<i>fastpath-disable-pkt-recv</i>	(Optional)
<i>fastpath-ignore-pkt-recv</i>	(Optional)
<i>uptime</i>	(Optional)
<i>mld-config-il</i>	(Optional)
TABLE_one_int	(Optional)
<i>grp-id</i>	(Optional)
<i>protocol-one-int</i>	(Optional)
<i>client-uuid</i>	(Optional)
<i>client-state-act</i>	(Optional)
<i>client-in-use</i>	(Optional)
TABLE_vip_list	(Optional)
<i>virt-mac</i>	(Optional)
<i>context_name</i>	(Optional)
<i>context_id</i>	(Optional)
<i>last-solicit-st</i>	(Optional)
<i>last-nei-ad-st</i>	(Optional)
<i>last-rtr-adv-st</i>	(Optional)
<i>nxt-rtr-ad-st</i>	(Optional)
<i>max-dad-attempts</i>	(Optional)
<i>current-dad-attempts</i>	(Optional)
TABLE_route	(Optional)
<i>preference</i>	(Optional)
<i>lifetime</i>	(Optional)
<i>info-option</i>	(Optional)
<i>reachability-verify-enabled</i>	(Optional)

<i>adv-route-info</i>	(Optional)
<i>route-zero-lifetime</i>	(Optional)
TABLE_prefix	(Optional)
<i>enabled</i>	(Optional)
<i>vlaidlifetime</i>	(Optional)
<i>preferredlifetime</i>	(Optional)
<i>on-link</i>	(Optional)
<i>off-link</i>	(Optional)
<i>autonomous</i>	(Optional)

Command Mode

- /exec

show ipv6 icmp l2 statistics

```
show ipv6 { icmp | nd } l2 statistics [ interface <interface> ] [ __readonly__ [ TABLE_intf { <intf_name>
<l2_stats> } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
interface	(Optional) Interface for which l2 stats to be shown
l2	Display ND info for layer-2 interface
statistics	Display ND statistics for layer 2 interface
<i>interface</i>	(Optional) interface
<i>__readonly__</i>	(Optional)
TABLE_intf	(Optional) Layer 2 Interface name
<i>intf_name</i>	(Optional) Interface name
<i>l2_stats</i>	(Optional) layer 2 ND stats on given interface

Command Mode

- /exec

show ipv6 icmp nd local-proxy stats

```
show ipv6 icmp nd local-proxy stats { <vlan-interface> [ <interface> ] } [ __readonly__ [ TABLE_vlan {
<vlan-name> [ TABLE_intf { <intf-name> <current-count> [ TABLE_hourly_stats { <hrs> <hrs-str> <stats>
} } ] ] } ] ] }
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
local-proxy	show nd local proxy stats
stats	statistics
<i>vlan-interface</i>	vlan interface
<i>interface</i>	(Optional) interface
<i>__readonly__</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-name</i>	(Optional)
TABLE_intf	(Optional)
<i>intf-name</i>	(Optional)
<i>current-count</i>	(Optional)
TABLE_hourly_stats	(Optional)
<i>hrs</i>	(Optional)
<i>hrs-str</i>	(Optional)
<i>stats</i>	(Optional)

Command Mode

- /exec

show ipv6 icmp off-list

```
show ipv6 icmp off-list [ vlan <vlan-id> ] [ __readonly__ [ <vlan-adj-cnt> ] [ <icmpv6-sync-adj-cnt> ] {
TABLE_icmpv6_vlan_list <adj-vlan-id> <off-adj-ip-addr> <icmpv6-time-stamp> <icmpv6-mac-addr>
<off-adj-flags> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
off-list	Show adjacencies in off-list icmpv6 database
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Show information for specified vlan
<i>__readonly__</i>	(Optional)
<i>vlan-adj-cnt</i>	(Optional) vlan adjacency count
<i>icmpv6-sync-adj-cnt</i>	(Optional) icmpv6 sync adjacency count
TABLE_icmpv6_vlan_list	(Optional) icmpv6 vlan list table
<i>adj-vlan-id</i>	(Optional) adjacency vlan id
<i>icmpv6-time-stamp</i>	(Optional) icmpv6 time stamp
<i>icmpv6-mac-addr</i>	(Optional) icmpv6 mac address
<i>off-adj-flags</i>	(Optional) offlist adjacency flags

Command Mode

- /exec

show ipv6 icmp vaddr

```
show ipv6 icmp vaddr { link-local [ detail ] | global | pt-tree } [ vrf { <vrf-name> | <vrf-known-name> | all }
] [ __readonly__ [ TABLE_pt_tree { <v-ipv6-addr> <v-mac-addr> <v-interface> <v-client-state> } ] [
TABLE_vrf_all [ TABLE_glo_vrf { <group-id> <protocol-vrf> <cli-uuid> <vaddr-action> <vrf-interface>
<v-ipv6-addr-one> <vaddr-mac> <cxt-name> <cxt-id> } ] [ TABLE_one_int [ <lcache-inter> <cxt-name-int>
<cxt_id-int> ] TABLE_one_group { <grp-id> <protocol-one-int> <client-uuid> <client-state-act>
<client-in-use> <client-state> TABLE_vip_list { <virt-ipv6> <virt-mac> <cxt_name> <cxt_id> [
<last-solicit-st> <last-nei-ad-st> <last-rtr-adv-st> <nxt-rtr-ad-st> <icmpv6-addr> <vmac-addr> <st-total>
<rv-total> <st-err> <rv-err> <st-int-dwn-drp> <rv-int-dwn-drp> <st-adj-nt-recov-am> <rv-adj-nt-recov-am>
<st-pkt-allow-inv-ttl> <rv-pkt-allow-inv-ttl> <st-pkt-drp-src-mac-own> <rv-pkt-drp-src-mac-own>
<st-pkt-drp-tgt-not-own> <rv-pkt-drp-tgt-not-own> <st-pkt-drp-src-not-own> <rv-pkt-drp-src-not-own>
<st-dest-unreach> <rv-dest-unreach> <st-admin-prohi> <rv-admin-prohi> <st-time-exceed> <rv-time-exceed>
<st-patr-pbm> <rv-patr-pbm> <st-echo-req> <rv-echo-req> <st-echo-reply> <rv-echo-reply> <st-dup-ra>
<rv-dup-ra> <st-redirect> <rv-redirect> <st-pkt-too-big> <rv-pkt-too-big> <st-rtr-adver> <rv-rtr-adver>
<st-rtr-solicit> <rv-rtr-solicit> <st-nei-adver> <rv-nei-adver> <st-nei-solicit> <rv-nei-solicit> } } ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vaddr	Show all virtual addresses configured
link-local	Display link-local virtual ipv6 addresses
detail	(Optional) Display detailed information
global	Display global virtual ipv6 addresses
pt-tree	Display link-local virtual ipv6 addresses pt-tree information
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>__readonly__</i>	(Optional)
TABLE_pt_tree	(Optional)
<i>v-mac-addr</i>	(Optional)
<i>v-interface</i>	(Optional)
<i>v-client-state</i>	(Optional)
TABLE_vrf_all	(Optional)

TABLE_glo_vrf	(Optional)
<i>group-id</i>	(Optional)
<i>protocol-vrf</i>	(Optional)
<i>cli-uuid</i>	(Optional)
<i>vaddr-action</i>	(Optional)
<i>vrf-interface</i>	(Optional)
<i>vaddr-mac</i>	(Optional)
<i>cxt-name</i>	(Optional)
<i>cxt-id</i>	(Optional)
TABLE_one_int	(Optional)
<i>lcache-inter</i>	(Optional)
<i>cxt-name-int</i>	(Optional)
<i>cxt_id-int</i>	(Optional)
<i>grp-id</i>	(Optional)
<i>protocol-one-int</i>	(Optional)
<i>client-uuid</i>	(Optional)
<i>client-state-act</i>	(Optional)
<i>client-in-use</i>	(Optional)
<i>client-state</i>	(Optional)
TABLE_one_group	(Optional)
TABLE_vip_list	(Optional)
<i>virt-mac</i>	(Optional)
<i>cxt_name</i>	(Optional)
<i>cxt_id</i>	(Optional)
<i>last-solocit-st</i>	(Optional)
<i>last-nei-ad-st</i>	(Optional)
<i>last-rtr-adv-st</i>	(Optional)
<i>nxt-rtr-ad-st</i>	(Optional)
<i>vmac-addr</i>	(Optional)

<i>st-total</i>	(Optional)
<i>rv-total</i>	(Optional)
<i>st-err</i>	(Optional)
<i>rv-err</i>	(Optional)
<i>st-int-dwn-drp</i>	(Optional)
<i>rv-int-dwn-drp</i>	(Optional)
<i>st-adj-nt-recov-am</i>	(Optional)
<i>rv-adj-nt-recov-am</i>	(Optional)
<i>st-pkt-allow-inv-ttl</i>	(Optional)
<i>rv-pkt-allow-inv-ttl</i>	(Optional)
<i>st-pkt-drp-src-mac-own</i>	(Optional)
<i>rv-pkt-drp-src-mac-own</i>	(Optional)
<i>st-pkt-drp-tgt-not-own</i>	(Optional)
<i>rv-pkt-drp-tgt-not-own</i>	(Optional)
<i>st-pkt-drp-src-not-own</i>	(Optional)
<i>rv-pkt-drp-src-not-own</i>	(Optional)
<i>st-dest-unreach</i>	(Optional)
<i>rv-dest-unreach</i>	(Optional)
<i>st-admin-prohi</i>	(Optional)
<i>rv-admin-prohi</i>	(Optional)
<i>st-time-exceed</i>	(Optional)
<i>rv-time-exceed</i>	(Optional)
<i>st-patr-pbm</i>	(Optional)
<i>rv-patr-pbm</i>	(Optional)
<i>st-echo-req</i>	(Optional)
<i>rv-echo-req</i>	(Optional)
<i>st-echo-reply</i>	(Optional)
<i>rv-echo-reply</i>	(Optional)
<i>st-dup-ra</i>	(Optional)

<i>rv-dup-ra</i>	(Optional)
<i>st-redirect</i>	(Optional)
<i>rv-redirect</i>	(Optional)
<i>st-pkt-too-big</i>	(Optional)
<i>rv-pkt-too-big</i>	(Optional)
<i>st-rtr-adver</i>	(Optional)
<i>rv-rtr-adver</i>	(Optional)
<i>st-rtr-solicit</i>	(Optional)
<i>rv-rtr-solicit</i>	(Optional)
<i>st-nei-adver</i>	(Optional)
<i>rv-nei-adver</i>	(Optional)
<i>st-nei-solicit</i>	(Optional)
<i>rv-nei-solicit</i>	(Optional)

Command Mode

- /exec

show ipv6 icmp vpc-statistics

```
show ipv6 icmp vpc-statistics [ __readonly__ [ { TABLE_icmpv6_vpc_stats [ <icmpv6-pro-drp-pull-disable>
] [ <icmpv6-pro-drp-push-msg-disable> ] [ <icmpv6-pro-ign-snd-pull-disabe> ] [
<icmpv6-ign-snd-push-disable> ] [ <icmpv6-drp-im-fail> ] [ <icmpv6-drp-mcecm-fail> ] [
<icmpv6-drp-invalid-pc-iod> ] [ <icmpv6-drp-pt-lookup-fail> ] [ <icmpv6-drp-resp-fail-no-mct> ] [
<icmpv6-drp-resp-fail> ] [ <icmpv6-vpc-id-ifindx-sending-pushmsg> ] [ <icmpv6-vpc-id-proc-cfs-payload>
] [ <icmpv6-resp-sent> ] [ <icmpv6-resp-recvd> ] [ <icmpv6-resp-recv-err> ] [ <icmpv6-rcvd-msg> ] [
<icmpv6-send-fail> ] [ <icmpv6-cfs-rel-dlvry-fail> ] [ <icmpv6-cfs-rel-dnvry-suc> ] [ <icmpv6-drp-pt-add-fail>
] [ <icmpv6-drp-no-mem> ] [ <icmpv6-drp-tmr-cre-fail> ] [ <icmpv6-drp-add-adj-fail> ] [
<icmpv6-off-drp-pt-lookup-fail> ] [ <icmpv6-dont-drp-vlan-mismat> ] [ <icmpv6-drp-svi-invalid> ] [
<icmpv6-dont-drop-sv-down> ] [ <icmpv6-drp-mct-down> ] [ <icmpv6-drp-ctxt-invalid> ] [
<icmpv6-drp-vrf-invalid> ] [ <icmpv6-drp-l3addr-invalid> ] [ <icmpv6-drp-l3addr-sanity-fail> ] [
<icmpv6-drp-mac-sanity-fail> ] [ <icmpv6-own-rtr-mac> ] [ <icmpv6-drp-own-ipv6addr> ] [
<icmpv6-drp-own-vipv6add> ] [ <icmpv6-drp-adj-fail> ] [ <icmpv6-drp-subnet-mismatch> ] [
<icmpv6-drp-adj-exist> ] [ <icmpv6-dont-drp-ip-not-enable> ] [ <icmpv6-drp-total-cnt> ] [
<icmpv6-dont-drop-total-cnt> ] [ <icmpv6-add-adj> ] [ <icmpv6-del-adj> ] [ <icmpv6-adj-already-exist> ] [
<icmpv6-vpc-id-periodic-sync> ] [ <icmpv6-vpc-id-cfs-payload-periodic-sync> ] } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vpc-statistics	Show vPC global statistics
__readonly__	(Optional)
TABLE_icmpv6_vpc_stats	(Optional) icmpv6 Vpc statistics
<i>icmpv6-pro-drp-pull-disable</i>	(Optional) icmpv6 protocol drop pull disable
<i>icmpv6-pro-drp-push-msg-disable</i>	(Optional) icmpv6 protocol drop push message disable
<i>icmpv6-pro-ign-snd-pull-disabe</i>	(Optional) icmpv6 protocol ignore send pull disable
<i>icmpv6-ign-snd-push-disable</i>	(Optional) icmpv6 ignore send push disable
<i>icmpv6-drp-im-fail</i>	(Optional) icmpv6 drop im fail
<i>icmpv6-drp-mcecm-fail</i>	(Optional) MCECM api failed while processing CFS payload
<i>icmpv6-drp-invalid-pc-iod</i>	(Optional) Invalid MCT port-channel iod while processing CFS payload
<i>icmpv6-drp-pt-lookup-fail</i>	(Optional) PT lookup failed while processing CFS payload
<i>icmpv6-drp-resp-fail-no-mct</i>	(Optional) invalid MCT iod while processing CFS payload
<i>icmpv6-drp-resp-fail</i>	(Optional) response failed while processing CFS payload
<i>icmpv6-vpc-id-ifindx-sending-pushmsg</i>	(Optional) Unable to retrieve VPC id ifindex while sending push message

<i>icmpv6-vpc-id-proc-cfs-payload</i>	(Optional) Unable to retrieve ifindex from vpc id
<i>icmpv6-vpc-id-periodic-sync</i>	(Optional) unable to retrieve vpc id ifindex for periodic sync
<i>icmpv6-vpc-id-cfs-payload-periodic-sync</i>	(Optional) unable to retrieve ifindex from vpc id while processing cfs payload for periodic sync
<i>icmpv6-resp-sent</i>	(Optional) Response sent via CFSOE
<i>icmpv6-resp-rcvd</i>	(Optional) Response received via CFSOE
<i>icmpv6-resp-rcv-err</i>	(Optional) Response received via CFSOE with errors
<i>icmpv6-rcvd-msg</i>	(Optional) Received message via CFSOE
<i>icmpv6-send-fail</i>	(Optional) Send message failed via CFSOE
<i>icmpv6-cfs-rel-dlvry-fail</i>	(Optional) MCECM send api failed via CFSOE
<i>icmpv6-cfs-rel-dmrvy-suc</i>	(Optional) Send message succeeded via CFSOE
<i>icmpv6-drp-pt-add-fail</i>	(Optional) PT add failed while processing offlist database
<i>icmpv6-drp-no-mem</i>	(Optional) Memory alloc failed while processing offlist database
<i>icmpv6-drp-tmr-cre-fail</i>	(Optional) Timer create failed while processing offlist database
<i>icmpv6-drp-add-adj-fail</i>	(Optional) Adjacency addition failed while processing offlist database
<i>icmpv6-off-drp-pt-lookup-fail</i>	(Optional) PT lookup failed while processing offlist database
<i>icmpv6-dont-drp-vlan-mismat</i>	(Optional) VLAN mismatch while processing offlist database
<i>icmpv6-drp-svi-invalid</i>	(Optional) SVI is invalid while processing offlist database
<i>icmpv6-dont-drop-sv-down</i>	(Optional) SVI is down while processing offlist database
<i>icmpv6-drp-mct-down</i>	(Optional) MCT is down while processing offlist database
<i>icmpv6-drp-ctxt-invalid</i>	(Optional) Ctxt_type is invalid while processing offlist database
<i>icmpv6-drp-vrf-invalid</i>	(Optional) VRF is invalid while processing offlist database
<i>icmpv6-drp-l3addr-invalid</i>	(Optional) IP address is invalid while processing offlist database
<i>icmpv6-drp-l3addr-sanity-fail</i>	(Optional) IP address sanity failed while processing offlist database
<i>icmpv6-drp-mac-sanity-fail</i>	(Optional) MAC address sanity failed while processing offlist database
<i>icmpv6-own-rtr-mac</i>	(Optional) Our own router mac while processing offlist database
<i>icmpv6-drp-own-ipv6addr</i>	(Optional) Our own ip address while processing offlist database
<i>icmpv6-drp-own-vipv6add</i>	(Optional) Our own virtual ip address while processing offlist database
<i>icmpv6-drp-adj-fail</i>	(Optional) Create adjacency failed while processing offlist database

<i>icmpv6-drp-subnet-mismatch</i>	(Optional) Subnet mismatch while processing offlist database
<i>icmpv6-drp-adj-exist</i>	(Optional) Entry exists while processing offlist database
<i>icmpv6-dont-drp-ip-not-enable</i>	(Optional) IPv6 not enabled on interface while processing offlist database
<i>icmpv6-drp-total-cnt</i>	(Optional) Total drop count while processing offlist database
<i>icmpv6-dont-drop-total-cnt</i>	(Optional) Total don't drop count while processing offlist database
<i>icmpv6-add-adj</i>	(Optional) Total adjacency additions in offlist database
<i>icmpv6-del-adj</i>	(Optional) Total adjacency deletions in offlist database
<i>icmpv6-adj-already-exist</i>	(Optional) Total adjacencies ignored as they already exists in offlist database

Command Mode

- /exec

show ipv6 interface

```
show ipv6 interface { [ brief [ include-secondary ] ] [ <interface> | <ipv6-addr> ] [ detail ] } [ vrf { <vrf-name>
| <vrf-known-name> | all } ] [ __readonly__ [ TABLE_intf <vrf-name-out> <intf-name> [ <iod> ] [
<proto-state> ] [ <link-state> ] [ <admin-state> ] [ TABLE_addr <addr> ] [ <prefix> ] [ { TABLE_sec_addr
[ <sec-prefix> } ] ] [ <linklocal-addr> ] [ <linklocal-configured> ] [ { TABLE_vaddr [ <v-addr> } ] ] [
<ipv6-disabled> ] [ <mrouting-enabled> ] [ <report-linklocal-enabled> ] [ <forwarding-enabled> ] [
<mgroup-locally-joined> ] [ { TABLE_maddr <m-addr> [ <m-addr-refcnt> } ] ] [ <mcast-sgentries-joined>
] [ { TABLE_sg [ <sg-saddr> ] [ <sg-maddr> ] [ <sg-refcnt> } ] ] [ <mtu> ] [ <global-in-pcl-configured> ] [
<global-in-pcl-name> ] [ <global-in-pcl-pending> ] [ <global-out-pcl-configured> ] [ <global-out-pcl-name>
] [ <global-out-pcl-pending> ] [ <in-pcl-configured> ] [ <in-pcl-name> ] [ <in-pcl-pending> ] [
<out-pcl-configured> ] [ <out-pcl-name> ] [ <out-pcl-pending> ] [ <urpf-mode> ] [ <ipv6-lstype> ] [
<stats-last-reset> ] [ <acl-in> ] [ <acl-out> ] [ <upkt-fwd> ] [ <upkt-orig> ] [ <upkt-consumed> ] [ <ubyte-fwd>
] [ <ubyte-orig> ] [ <ubyte-consumed> ] [ <mpkt-fwd> ] [ <mpkt-orig> ] [ <mpkt-consumed> ] [ <mbyte-fwd>
] [ <mbyte-orig> ] [ <mbyte-consumed> ] [ <upkt-in-acc> ] [ <upkt-in-rej> ] [ <ubyte-in-acc> ] [ <ubyte-in-rej>
] [ <mpkt-in-acc> ] [ <mpkt-in-rej> ] [ <mbyte-in-acc> ] [ <mbyte-in-rej> ] [ <upkt-out-acc> ] [ <upkt-out-rej>
] [ <ubyte-out-acc> ] [ <ubyte-out-rej> ] [ <mpkt-out-acc> ] [ <mpkt-out-rej> ] [ <mbyte-out-acc> ] [
<mbyte-out-rej> ] [ <hw-upkt-sent> ] [ <hw-upkt-recv> ] [ <hw-ubyte-sent> ] [ <hw-ubyte-recv> ] [
<hw-mpkt-sent> ] [ <hw-mpkt-recv> ] [ <hw-mbyte-sent> ] [ <hw-mbyte-recv> ] [ <hw-upkt-drop> ] [
<hw-ubyte-drop> ] [ <hw-mpkt-drop> ] [ <hw-mbyte-drop> ] [ <hw-mpkt-rpdrop> ] [ <hw-mbyte-rpdrop>
] [ <hw-mpkt-dfdrop> ] [ <hw-mbyte-dfdrop> ] [ <unspecified-src> ] [ <total-pkt-recv-tent-addr> ] [
<total-pkts-recv-invalid-addr-state> ] [ <total-pkt-recv-dup-state> ] [ <anycast-pkt-arrived-tcp> ] [
<deliver-intf-down> ] [ <nd-frag-drop> ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
interface	Display IPv6 related interface information
brief	(Optional) Display summary of IPv6 status and configuration
include-secondary	(Optional) Display summary of all IPv6 addresses
<i>interface</i>	(Optional) Interface name to display
detail	(Optional) Display detailed IPv6 interface information
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 all VRFs
__readonly__	(Optional)
TABLE_addr	(Optional)
<i>vrf-name-out</i>	(Optional)

TABLE_intf	(Optional)
<i>intf-name</i>	(Optional)
<i>proto-state</i>	(Optional)
<i>link-state</i>	(Optional)
<i>admin-state</i>	(Optional)
<i>iod</i>	(Optional)
<i>addr</i>	(Optional)
<i>prefix</i>	(Optional)
TABLE_sec_addr	(Optional)
<i>sec-prefix</i>	(Optional)
<i>linklocal-configured</i>	(Optional)
TABLE_vaddr	(Optional)
<i>ipv6-disabled</i>	(Optional)
<i>mrouting-enabled</i>	(Optional)
<i>report-linklocal-enabled</i>	(Optional)
<i>forwarding-enabled</i>	(Optional)
<i>mgroup-locally-joined</i>	(Optional)
TABLE_maddr	(Optional)
<i>m-addr-refcnt</i>	(Optional)
<i>mcast-sgentries-joined</i>	(Optional)
TABLE_sg	(Optional)
<i>sg-refcnt</i>	(Optional)
<i>mtu</i>	(Optional)
<i>global-in-pcl-configured</i>	(Optional)
<i>global-in-pcl-name</i>	(Optional)
<i>global-in-pcl-pending</i>	(Optional)
<i>global-out-pcl-configured</i>	(Optional)
<i>global-out-pcl-name</i>	(Optional)
<i>global-out-pcl-pending</i>	(Optional)

<i>in-pcl-configured</i>	(Optional)
<i>in-pcl-name</i>	(Optional)
<i>in-pcl-pending</i>	(Optional)
<i>out-pcl-configured</i>	(Optional)
<i>out-pcl-name</i>	(Optional)
<i>out-pcl-pending</i>	(Optional)
<i>urpf-mode</i>	(Optional)
<i>ipv6-lstype</i>	(Optional)
<i>stats-last-reset</i>	(Optional)
<i>acl-in</i>	(Optional)
<i>acl-out</i>	(Optional)
<i>upkt-fwd</i>	(Optional)
<i>upkt-orig</i>	(Optional)
<i>upkt-consumed</i>	(Optional)
<i>ubyte-fwd</i>	(Optional)
<i>ubyte-orig</i>	(Optional)
<i>ubyte-consumed</i>	(Optional)
<i>mpkt-fwd</i>	(Optional)
<i>mpkt-orig</i>	(Optional)
<i>mpkt-consumed</i>	(Optional)
<i>mbyte-fwd</i>	(Optional)
<i>mbyte-orig</i>	(Optional)
<i>mbyte-consumed</i>	(Optional)
<i>upkt-in-acc</i>	(Optional)
<i>upkt-in-rej</i>	(Optional)
<i>ubyte-in-acc</i>	(Optional)
<i>ubyte-in-rej</i>	(Optional)
<i>mpkt-in-acc</i>	(Optional)
<i>mpkt-in-rej</i>	(Optional)

<i>mbyte-in-acc</i>	(Optional)
<i>mbyte-in-rej</i>	(Optional)
<i>upkt-out-acc</i>	(Optional)
<i>upkt-out-rej</i>	(Optional)
<i>ubyte-out-acc</i>	(Optional)
<i>ubyte-out-rej</i>	(Optional)
<i>mpkt-out-acc</i>	(Optional)
<i>mpkt-out-rej</i>	(Optional)
<i>mbyte-out-acc</i>	(Optional)
<i>mbyte-out-rej</i>	(Optional)
<i>hw-upkt-sent</i>	(Optional)
<i>hw-upkt-recv</i>	(Optional)
<i>hw-ubyte-sent</i>	(Optional)
<i>hw-ubyte-recv</i>	(Optional)
<i>hw-mpkt-sent</i>	(Optional)
<i>hw-mpkt-recv</i>	(Optional)
<i>hw-mbyte-sent</i>	(Optional)
<i>hw-mbyte-recv</i>	(Optional)
<i>hw-upkt-drop</i>	(Optional)
<i>hw-ubyte-drop</i>	(Optional)
<i>hw-mpkt-drop</i>	(Optional)
<i>hw-mbyte-drop</i>	(Optional)
<i>hw-mpkt-rpdrop</i>	(Optional)
<i>hw-mbyte-rpdrop</i>	(Optional)
<i>hw-mpkt-dfdrop</i>	(Optional)
<i>hw-mbyte-dfdrop</i>	(Optional)
<i>unspecified-src</i>	(Optional)
<i>total-pkt-recv-tent-addr</i>	(Optional)
<i>total-pkts-recv-invalid-addr-state</i>	(Optional)

<i>total-pkt-recv-dup-state</i>	(Optional)
<i>anycast-pkt-arrived-tcp</i>	(Optional)
<i>deliver-intf-down</i>	(Optional)
<i>nd-frag-drop</i>	(Optional)

Command Mode

- /exec

show ipv6 lisp data-cache

```
show ipv6 lisp data-cache [ <eid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
lisp	LISP show commands
data-cache	Display EID-to-RLOC data cache mapping in this ITR
<i>eid</i>	(Optional) Display mapping for IPv6 destination EID
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ipv6 local policy

```
show ipv6 local policy [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ { TABLE_pbr [
<interface> ] [ <rmap> ] [ <status> ] [ <vrf_name> ] } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
local	IPv6 local options
policy	Policy routing
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
__readonly__	(Optional)
TABLE_pbr	(Optional)
<i>interface</i>	(Optional)
<i>rmap</i>	(Optional)
<i>status</i>	(Optional)
<i>vrf_name</i>	(Optional)

Command Mode

- /exec

show ipv6 mld global traffic

```
show ipv6 [ icmp ] mld global traffic [ __readonly__ [ { TABLE_icmpv6_mld_stat <st-v1-queries>
<rv-v1-queries> <st-v2-queries> <rv-v2-queries> <st-v1-reports> <rv-v1-reports> <st-v2-reports>
<rv-v2-reports> <st-v1-leaves> <rv-v1-leaves> } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
global	Show ICMPv6 global variables
traffic	Display ICMPv6 software processed traffic statistics
__readonly__	(Optional)
TABLE_icmpv6_mld_stat	(Optional) ICMPv6 MLD Statistics
<i>st-v1-queries</i>	(Optional) V1 Queries sent
<i>rv-v1-queries</i>	(Optional) V1 Queries received
<i>st-v2-queries</i>	(Optional) V2 Queries sent
<i>rv-v2-queries</i>	(Optional) V2 Queries received
<i>st-v1-reports</i>	(Optional) V1 Reports sent
<i>rv-v1-reports</i>	(Optional) V1 Reports received
<i>st-v2-reports</i>	(Optional) V2 Reports sent
<i>rv-v2-reports</i>	(Optional) V2 Reports received
<i>st-v1-leaves</i>	(Optional) V1 Leaves sent
<i>rv-v1-leaves</i>	(Optional) V1 Leaves received

Command Mode

- /exec

show ipv6 mld groups

```
show ipv6 [ icmp ] mld groups [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ <interface> ] [
summary ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf [ <if-name> ] [
<vrfname> ] [ <entry-count> ] [ <group-addr> ] [ <sourceaddress> ] [ TABLE_group [ <group-addr> ] [
<group-type> ] [ <if-name> ] [ <uptime> ] [ <expires> ] [ <reporter> ] [ TABLE_source [ <source-addr> ] [
<group-type> ] [ <translate> ] [ <if-name> ] [ <uptime> ] [ <expires> ] [ <reporter> ] ] ] [ <vrf-cntxt> ] [
<g-count> ] [ <sg-count> ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
groups	Display MLD attached group membership information
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>interface</i>	(Optional) Display group membership on interface name
summary	(Optional) Display group summary
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrfname</i>	(Optional)
<i>if-name</i>	(Optional)
<i>group-addr</i>	(Optional)
<i>entry-count</i>	(Optional)
<i>sourceaddress</i>	(Optional)
TABLE_group	(Optional)
<i>group-addr</i>	(Optional)
<i>group-type</i>	(Optional)
<i>if-name</i>	(Optional)

<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>reporter</i>	(Optional)
TABLE_source	(Optional)
<i>source-addr</i>	(Optional)
<i>group-type</i>	(Optional)
<i>translate</i>	(Optional)
<i>if-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>reporter</i>	(Optional)
<i>vrf-cntxt</i>	(Optional)
<i>g-count</i>	(Optional)
<i>sg-count</i>	(Optional)

Command Mode

- /exec

show ipv6 mld interface

```
show ipv6 [ icmp ] mld interface [ <interface> ] [ brief ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf <vrf> [ <entry-count> ] [ [ TABLE_brief [ <if-name> ] [ <addr> ] [ <querier> ] [ <mc> ] [ <ver> ] ] [ TABLE_if <if-name> [ <if-status> ] [ <ip-sum> ] [ <querier> ] [ <q-ver> ] [ <next-query> ] [ <expires> ] [ <mc> ] [ <ver> ] [ <host-ver> ] [ <qi> ] [ <cqi> ] [ <mrt> ] [ <cmrt> ] [ <sqi> ] [ <csqi> ] [ <sqc> ] [ <lmrt> ] [ <lmqc> ] [ <gt> ] [ <cgt> ] [ <qt> ] [ <cqt> ] [ <uri> ] [ <rv> ] [ <crv> ] [ <rll> ] [ <rc> ] [ <il> ] [ <report-policy> ] [ <join-group-map> ] [ <static-group-map> ] [ <v2qs> ] [ <v2qr> ] [ <v2rs> ] [ <v2rr> ] [ <v2ls> ] [ <v2lr> ] [ <v3qs> ] [ <v3qr> ] [ <v3rs> ] [ <v3rr> ] [ <v2gqdest> ] [ <v3gqdest> ] [ <cse> ] [ <ple> ] [ <lsip> ] [ <scf> ] [ <qnq> ] [ <rvm> ] [ <qvm> ] [ <uit> ] [ <v2gdam> ] [ <v3dai> ] [ <ra> ] ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
interface	Display ICMPv6 related interface information
detail	(Optional) Display ICMPv6 related interface information in detail
brief	(Optional) Display ICMPv6 related interface information in brief
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>interface</i>	(Optional) Interface name to show
<u>__readonly__</u>	(Optional)
TABLE_vrf	(Optional)
<i>vrf</i>	(Optional)
<i>entry-count</i>	(Optional)
TABLE_brief	(Optional)
<i>if-name</i>	(Optional)
<i>querier</i>	(Optional)
<i>mc</i>	(Optional)

<i>ver</i>	(Optional)
TABLE_if	(Optional)
<i>if-name</i>	(Optional)
<i>if-status</i>	(Optional)
<i>ip-sum</i>	(Optional)
<i>addr</i>	(Optional)
<i>querier</i>	(Optional)
<i>q-ver</i>	(Optional)
<i>next-query</i>	(Optional)
<i>expires</i>	(Optional)
<i>mc</i>	(Optional)
<i>ver</i>	(Optional)
<i>host-ver</i>	(Optional)
<i>qi</i>	(Optional)
<i>cqi</i>	(Optional)
<i>mrt</i>	(Optional)
<i>cmrt</i>	(Optional)
<i>sqi</i>	(Optional)
<i>csqi</i>	(Optional)
<i>sqc</i>	(Optional)
<i>lmmrt</i>	(Optional)
<i>lmqc</i>	(Optional)
<i>gt</i>	(Optional)
<i>cgt</i>	(Optional)
<i>qt</i>	(Optional)
<i>cqt</i>	(Optional)
<i>uri</i>	(Optional)
<i>rv</i>	(Optional)
<i>crv</i>	(Optional)

<i>rll</i>	(Optional)
<i>rc</i>	(Optional)
<i>il</i>	(Optional)
<i>report-policy</i>	(Optional)
<i>v2qs</i>	(Optional)
<i>v2qr</i>	(Optional)
<i>v2rs</i>	(Optional)
<i>v2rr</i>	(Optional)
<i>v2ls</i>	(Optional)
<i>v2lr</i>	(Optional)
<i>v3qs</i>	(Optional)
<i>v3qr</i>	(Optional)
<i>v3rs</i>	(Optional)
<i>v3rr</i>	(Optional)
<i>v2ggdest</i>	(Optional)
<i>v3ggdest</i>	(Optional)
<i>cse</i>	(Optional)
<i>ple</i>	(Optional)
<i>lsip</i>	(Optional)
<i>scf</i>	(Optional)
<i>qnq</i>	(Optional)
<i>rvm</i>	(Optional)
<i>qvm</i>	(Optional)
<i>uit</i>	(Optional)
<i>v2gdam</i>	(Optional)
<i>v3dai</i>	(Optional)
<i>ra</i>	(Optional)
<i>static-group-map</i>	(Optional)
<i>join-group-map</i>	(Optional)

Command Mode

- /exec

<i>host-proxy</i>	(Optional)
-------------------	------------

Command Mode

- /exec

show ipv6 mld snooping

```
show ipv6 mld snooping [ { vlan <vlan> | bridge-domain <bdid> } ] [ __readonly__ [ <vdc> ] [ <enabled> ]
[ <omf> ] [ <grepsup> ] [ <gv2repsup> ] [ <glinklocalgrpsup> ] { TABLE_vlan <vlan-id> [ <description> ]
[ <snoop-on> ] [ <qv> ] [ <qv> ] [ <qi> ] [ <qlmqi> ] [ <rv> ] [ <sq> ] [ <sqr> ] [ <eht> ] [ <fl> ] [ <repsup>
] [ <v2repsup> ] [ <vlinklocalgrpsup> ] [ <rpc> ] [ <gc> ] [ TABLE_active_ports [ <actvports> ] ] [ <lkupmode>
] [ <omf_enabled> ] [ <reportfloodenable> ] [ <reportfloodall> ] [ TABLE_intf <if-name> ] [
<leavegroupaddress> } } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
vlan	(Optional) Display VLAN MLD snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD MLD snooping membership information
<i>bdid</i>	(Optional) Specify BD
<i>__readonly__</i>	(Optional)
<i>vdc</i>	(Optional)
<i>enabled</i>	(Optional)
<i>omf</i>	(Optional)
<i>grepsup</i>	(Optional)
<i>gv2repsup</i>	(Optional)
<i>glinklocalgrpsup</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>description</i>	(Optional) description, if any
<i>snoop-on</i>	(Optional)
<i>qv</i>	(Optional)
<i>qi</i>	(Optional)
<i>qlmqi</i>	(Optional)

<i>rv</i>	(Optional)
<i>sq</i>	(Optional)
<i>sqr</i>	(Optional)
<i>eht</i>	(Optional)
<i>fl</i>	(Optional)
<i>repsup</i>	(Optional)
<i>v2repsup</i>	(Optional)
<i>vlinklocalgrpsup</i>	(Optional)
<i>rpc</i>	(Optional)
<i>gc</i>	(Optional)
TABLE_active_ports	(Optional)
<i>actyports</i>	(Optional)
<i>lkupmode</i>	(Optional)
<i>omf_enabled</i>	(Optional)
<i>reportfloodenable</i>	(Optional)
<i>reportfloodall</i>	(Optional)
TABLE_intf	(Optional)
<i>if-name</i>	(Optional)
<i>leavegroupaddress</i>	(Optional)

Command Mode

- /exec

<i>expires</i>	(Optional)
<i>version</i>	(Optional)
<i>num_of_reports</i>	(Optional)
<i>cfs-flag</i>	(Optional)
<i>native-flag</i>	(Optional)
<i>delete-pending</i>	(Optional)
<i>cfs-update-pending</i>	(Optional)

Command Mode

- /exec

show ipv6 mld snooping filter details

```
show ipv6 mld snooping filter [ vlan <vlan_id> ] details [ __readonly__ { TABLE_vlanid <vlan-id>
<access-group> <group-channels-limit> <mld-min-ver> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
filter	Shows filter policy configuration
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID
details	Shows different Filter configurations
<i>__readonly__</i>	(Optional)
TABLE_vlanid	(Optional)
<i>vlan-id</i>	(Optional)
<i>access-group</i>	(Optional)
<i>group-channels-limit</i>	(Optional)
<i>mld-min-ver</i>	(Optional)

Command Mode

- /exec

show ipv6 mld snooping groups

```
show ipv6 mld snooping [ otv | remote ] groups [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ vlan
<vlan> | bridge-domain <bdid> ] [ detail ] [ summary ] [ __readonly__ [ TABLE_vlan [ <vlan-id> ] [ <rports>
] [ <rtrPortFlag> ] [ TABLE_port <if-name> ] [ TABLE_rtrports <rport-if-name> ] [ <raddr> ] [ TABLE_source
<source> ] [ TABLE_group <addr> [ <g-mfdm> ] [ <ver> ] [ <old-host> ] [ <raddr> ] [ <static> ] [ <dynamic>
] [ TABLE_static_ports <static-if-name> ] [ TABLE_v2_ports <v2-if-name> [ <uptime> ] [ <expires> ] [
<gq-missed> ] ] [ TABLE_star_g_ports <star-g-if-name> [ <uptime> ] [ <expires> ] ] [ <g-vpc> ] [ <rsf> ] [
<js> ] [ TABLE_source <source> [ <srsf> ] [ <s-mfdm> ] [ <src-static> ] [ <src-dynamic> ] [
TABLE_src_static_ports <src-static-if-name> ] [ TABLE_src_dynamic [ <oifs> ] <dyn-if-name> [ <src-uptime>
] [ <src-expires> ] ] [ <s-vpc> ] ] ] [ <snoop-enabled> ] [ <omf-enabled> ] [ <group-count> ] [ <s-g-count>
] [ <total_star_g_count> ] [ <total_sg_count> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
otv	(Optional) MLD Snooping OTV information
remote	(Optional) MLD Snooping remote information
groups	Display snooping information for group address
summary	(Optional) Display snooping group summary
vlan	(Optional) Display VLAN MLD snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD MLD snooping membership information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information for the group
__readonly__	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>rports</i>	(Optional)
<i>rtrPortFlag</i>	(Optional)
<i>snoop-enabled</i>	(Optional)
<i>omf-enabled</i>	(Optional)

<i>group-count</i>	(Optional)
<i>s-g-count</i>	(Optional)
<i>total_star_g_count</i>	(Optional)
<i>total_sg_count</i>	(Optional)
TABLE_port	(Optional)
<i>if-name</i>	(Optional)
TABLE_rtrports	(Optional)
<i>rport-if-name</i>	(Optional)
<i>raddr</i>	(Optional)
TABLE_group	(Optional)
<i>addr</i>	(Optional)
<i>ver</i>	(Optional)
<i>raddr</i>	(Optional)
TABLE_source	(Optional)
<i>source</i>	(Optional)
<i>rsf</i>	(Optional)
<i>js</i>	(Optional)
<i>g-mfdm</i>	(Optional)
<i>old-host</i>	(Optional)
<i>g-vpc</i>	(Optional)
<i>static</i>	(Optional)
<i>dynamic</i>	(Optional)
TABLE_static_ports	(Optional)
<i>static-if-name</i>	(Optional)
TABLE_v2_ports	(Optional)
<i>v2-if-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>gq-missed</i>	(Optional)

TABLE_star_g_ports	(Optional)
<i>star-g-if-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
TABLE_source	(Optional)
<i>source</i>	(Optional)
<i>srsf</i>	(Optional)
<i>s-mfdm</i>	(Optional)
<i>s-vpc</i>	(Optional)
<i>src-static</i>	(Optional)
<i>src-dynamic</i>	(Optional)
TABLE_src_static_ports	(Optional)
<i>src-static-if-name</i>	(Optional)
TABLE_src_dynamic	(Optional)
<i>oifs</i>	(Optional)
<i>dyn-if-name</i>	(Optional)
<i>src-uptime</i>	(Optional)
<i>src-expires</i>	(Optional)

Command Mode

- /exec

show ipv6 mld snooping lookup-mode

```
show ipv6 mld snooping lookup-mode [ vlan <vlan> | bridge-domain <bdid> ] [ __readonly__ [ <configured> ] [ <operational> ] [ TABLE_vlan [ <vlan-id> ] [ <lookup> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
lookup-mode	MLD Snooping lkup mode information
vlan	(Optional) Display VLAN information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
<i>bdid</i>	(Optional) Specify BD
<i>__readonly__</i>	(Optional)
<i>configured</i>	(Optional)
<i>operational</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>lookup</i>	(Optional)

Command Mode

- /exec

show ipv6 mld snooping mrouter

```
show ipv6 mld snooping mrouter [ otv ] [ vlan <vlan> | bridge-domain <bdid> ] [ detail ] [ __readonly__
TABLE_vlan <vlan-id> TABLE_intf <if-name> <static> <dynamic> <vpc> <fabricpath-core-port>
<co-learned> <user-configured> <learnt-by-peer> <uptime> <expires> <internal> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
mrouter	Display multicast routers detected
otv	(Optional) MLD Snooping OTV information
vlan	(Optional) Display VLAN multicast router information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD multicast router information
<i>bdid</i>	(Optional) Specify BD
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
TABLE_intf	(Optional)
<i>if-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>static</i>	(Optional)
<i>dynamic</i>	(Optional)
<i>internal</i>	(Optional)
<i>vpc</i>	(Optional)
<i>fabricpath-core-port</i>	(Optional)
<i>co-learned</i>	(Optional)

<i>user-configured</i>	(Optional)
<i>learnt-by-peer</i>	(Optional)

Command Mode

- /exec

show ipv6 mld snooping otv vlan brief

show ipv6 mld snooping otv vlan brief [__readonly__ <vlan-id>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
otv	MLD Snooping OTV information
vlan	Display VLAN/BD information
brief	Brief output
__readonly__	(Optional)
<i>vlan-id</i>	(Optional)

Command Mode

- /exec

show ipv6 mld snooping pw vlan brief

show ipv6 mld snooping pw vlan brief [__readonly__ <vlan-id>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
pw	MLD Snooping PW information
vlan	Display VLAN/BD information
brief	Brief output
__readonly__	(Optional)
<i>vlan-id</i>	(Optional)

Command Mode

- /exec

show ipv6 mld snooping querier

```
show ipv6 mld snooping querier [ vlan <vlan> | bridge-domain <bidid> ] [ detail ] [ __readonly__ [ TABLE_vlan
<vlan-id> <qa> <qv> [ <expires> ] <qiod> <qname> <int> [ <last_member_query_count> ] [
<config_last_member_query_count> ] [ <snooping_version> ] [ <config_qv> ] [ <robust> ] [ <config_robust>
] [ <startup_query_count> ] [ <config_startup_query_count> ] [ <startup_query_interval> ] [
<config_startup_query_interval> ] [ <mbr_query_interval> ] [ <config_mbr_query_interval> ] [
<snooping_query_intvl> ] [ <config_snooping_query_intvl> ] [ <gquery_response_time> ] [
<config_gquery_response_time> ] [ <querier_timeout> ] [ <querier_timeout_flag> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
querier	Display snooping querier information
vlan	(Optional) Display VLAN MLD snooping querier information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD MLD snooping querier information
<i>bidid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>expires</i>	(Optional)
<i>qv</i>	(Optional)
<i>qiod</i>	(Optional)
<i>qname</i>	(Optional)
<i>int</i>	(Optional)
<i>last_member_query_count</i>	(Optional)
<i>config_last_member_query_count</i>	(Optional)
<i>snooping_version</i>	(Optional)
<i>config_qv</i>	(Optional)

<i>robust</i>	(Optional)
<i>config_robust</i>	(Optional)
<i>startup_query_count</i>	(Optional)
<i>config_startup_query_count</i>	(Optional)
<i>startup_query_interval</i>	(Optional)
<i>config_startup_query_interval</i>	(Optional)
<i>mbr_query_interval</i>	(Optional)
<i>config_mbr_query_interval</i>	(Optional)
<i>snooping_query_intvl</i>	(Optional)
<i>config_snooping_query_intvl</i>	(Optional)
<i>gquery_response_time</i>	(Optional)
<i>config_gquery_response_time</i>	(Optional)
<i>querier_timeout</i>	(Optional)
<i>querier_timeout_flag</i>	(Optional)

Command Mode

- /exec

show ipv6 mld snooping report statistics

```
show ipv6 mld snooping { report-policy | access-group } statistics [ vlan <vlan> ] [ __readonly__ [
TABLE_vlanid { <vlan-id> <rpm-type> <policy-name> } ] [ TABLE_filtervlanid { <filter-vlan-id>
<filter-policy-name> } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
report-policy	MLD report policy
access-group	MLD access-group
statistics	Policy statistics
vlan	(Optional) Display VLAN MLD snooping policy statistics information
<i>vlan</i>	(Optional) Specify VLAN
<i>__readonly__</i>	(Optional)
TABLE_vlanid	(Optional)
<i>vlan-id</i>	(Optional)
<i>rpm-type</i>	(Optional)
<i>policy-name</i>	(Optional)
TABLE_filtervlanid	(Optional)
<i>filter-vlan-id</i>	(Optional)
<i>filter-policy-name</i>	(Optional)

Command Mode

- /exec

show ipv6 mld snooping statistics

```
show ipv6 mld snooping statistics [ global | vlan <vlan> | bridge-domain <bdid> ] [ __readonly__ [ <pr> ] [
<inv_pkt> ] [ <inv_pkt_bd> ] [ <inv_pkt_no_fd_vxlan> ] [ <pnv> ] [ <loopbkpkt> ] [ <mrdloopbk> ] [ <pf>
] [ <vpcdrqs> ] [ <vpcdrqr> ] [ <vpcdrqf> ] [ <vpcdrus> ] [ <vpcdrur> ] [ <vpcdruf> ] [ <vpccfsf> ] [
<vpccfsrs> ] [ <vpccfsrr> ] [ <vpccfsrf> ] [ <vpccfsrfp> ] [ <vpccfsurls> ] [ <vpccfsurlr> ] [ <vpccfsurlf> ]
] [ <vpccfsrls> ] [ <vpccfsrlr> ] [ <vpccfsrlf> ] [ <stptcnr> ] [ <imapif> ] [ <mfreqr> ] [ <mfcmps> ] [ <inv_iod>
] [ <mfdbgmps> ] [ <bufsnt> ] [ <bufackr> ] [ <vpemismatch> ] [ { TABLE_vlan [ <vlan-id> ] [ <ut> ] [
<vpr> ] [ <v1rr> ] [ <v2rr> ] [ <v1qr> ] [ <v2qr> ] [ <v2lr> ] [ <phr> ] [ <irr> ] [ <illgr> ] [ <iqr> ] [ <v1rs>
] [ <v2rs> ] [ <v2ls> ] [ <v2lsv1> ] [ <v3gs> ] [ <qo> ] [ <v2ro> ] [ <v2lo> ] [ <v3ro> ] [ <vpsr> ] [ <str> ]
] [ <vmr> ] [ <upr> ] [ <cps> ] [ <cpr> ] [ <cpe> ] [ <mps> ] [ <mpr> ] [ <mpe> ] [ <repflooded> ] [ <repfwded>
] [ <agd> ] [ <egd> ] [ <lvd> ] [ <qd> ] [ <pmd> ] } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
statistics	Display packet/error counter statistics
global	(Optional) Display global statistics
vlan	(Optional) Display VLAN statistics
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD statistics
<i>bdid</i>	(Optional) Specify BD
<i>__readonly__</i>	(Optional)
<i>pr</i>	(Optional)
<i>inv_pkt</i>	(Optional)
<i>inv_pkt_bd</i>	(Optional)
<i>inv_pkt_no_fd_vxlan</i>	(Optional)
<i>pnv</i>	(Optional)
<i>loopbkpkt</i>	(Optional)
<i>mrdloopbk</i>	(Optional)
<i>pf</i>	(Optional)
<i>vpcdrqs</i>	(Optional)

<i>vpcdrqr</i>	(Optional)
<i>vpcdrqf</i>	(Optional)
<i>vpcdrus</i>	(Optional)
<i>vpcdrur</i>	(Optional)
<i>vpcdruf</i>	(Optional)
<i>vpccfssf</i>	(Optional)
<i>vpccfsrs</i>	(Optional)
<i>vpccfsrr</i>	(Optional)
<i>vpccfsrf</i>	(Optional)
<i>vpccfsrfp</i>	(Optional)
<i>vpccfsurls</i>	(Optional)
<i>vpccfsurlr</i>	(Optional)
<i>vpccfsurlf</i>	(Optional)
<i>vpccfsrls</i>	(Optional)
<i>vpccfsrlr</i>	(Optional)
<i>vpccfsrlf</i>	(Optional)
<i>stptcnr</i>	(Optional)
<i>imapif</i>	(Optional)
<i>mfreqr</i>	(Optional)
<i>mfcmps</i>	(Optional)
<i>inv_iod</i>	(Optional)
<i>mfdgcmps</i>	(Optional)
<i>bufsnt</i>	(Optional)
<i>bufackr</i>	(Optional)
<i>vpcmismatch</i>	(Optional)
TABLE_vlan	(Optional)
<i>vlan-id</i>	(Optional)
<i>ut</i>	(Optional)
<i>vpr</i>	(Optional)

<i>v1rr</i>	(Optional)
<i>v2rr</i>	(Optional)
<i>v1qr</i>	(Optional)
<i>v2qr</i>	(Optional)
<i>v2lr</i>	(Optional)
<i>phr</i>	(Optional)
<i>irr</i>	(Optional)
<i>illgr</i>	(Optional)
<i>iqr</i>	(Optional)
<i>v1rs</i>	(Optional)
<i>v2rs</i>	(Optional)
<i>v2ls</i>	(Optional)
<i>v2lsv1</i>	(Optional)
<i>v3gs</i>	(Optional)
<i>vmr</i>	(Optional)
<i>upr</i>	(Optional)
<i>qo</i>	(Optional)
<i>v2ro</i>	(Optional)
<i>v2lo</i>	(Optional)
<i>v3ro</i>	(Optional)
<i>vpsr</i>	(Optional)
<i>str</i>	(Optional)
<i>cps</i>	(Optional)
<i>cpr</i>	(Optional)
<i>cpe</i>	(Optional)
<i>mps</i>	(Optional)
<i>mpr</i>	(Optional)
<i>mpe</i>	(Optional)
<i>repflooded</i>	(Optional)

<i>repfwded</i>	(Optional)
<i>agd</i>	(Optional)
<i>egd</i>	(Optional)
<i>lvd</i>	(Optional)
<i>qd</i>	(Optional)
<i>pmd</i>	(Optional)

Command Mode

- /exec

show ipv6 mroute

```
show ipv6 mroute [ [ bitfield ] [ detail ] ] | sr | rp | [ summary [ count | software-forwarded | rpf-failed ] ] | {
[ [ <source> <group> ] ] [ <group> [ <source> ] ] ] [ shared-tree | source-tree | mofrr ] [ [ flags ] ] [ detail ] [
bitfield ] [ [ summary [ software-forwarded | rpf-failed ] ] ] } ] [ vrf { <vrf-name> | <vrf-known-name> | all
} ] [ __readonly__ TABLE_vrf <vrf-name> [ <expiry_timer> ] [ <route_count> ] [ <star_g_cnt> ] [ <sg_cnt>
] [ <star_g_prfx_cnt> ] [ TABLE_route_summary [ <total-num-routes> ] [ <star-g-route> ] [ <sg-route> ] [
<star-g-prfx> ] [ <group-count> ] [ <avg> ] [ <rem> ] [ <stats-pndg> ] ] [ TABLE_summary_source [
<group_addr> ] [ <group_mask_len> ] [ <source_count> ] [ TABLE_one_sg [ <source_addr> ] [ <packets>
] [ <bytes> ] [ <aps> ] [ <pps> ] [ <rate_buf> ] [ <oifs> ] [ <software_fwd> ] [ <rpf-failed-pkts> ] [
<rpf-failed-bytes> ] ] ] [ TABLE_one_route <mcast-addrs> [ <source_addrs> <group_addrs> ] [ <pending>
] [ <bidir> ] [ <uptime> ] [ <uptime_detailed> ] [ <mofrr> ] [ <vxlan-dci-core> ] [ <vxlan-src-dci-remote> ]
[ <vxlan-src-vipr> ] [ TABLE_mpib [ <mpib-name> ] [ <oif-count> ] [ <stale-route> ] ] [ <mdt-encap-index>
] [ <stats-pkts> ] [ <stats-bytes> ] [ <stats-rate-buf> ] [ <lisp-src-rloc> ] [ <nat-mode> ] [ <nat-route-type> ]
[ <route-iif> ] [ <rpf-nbr> ] [ <mofrr-iif> ] [ <mofrr-nbr> ] [ <internal> ] [ <oif-count> ] [ <fabric-oif> ] [
<fabric-loser> ] [ <num-vpc-svi-oifs> ] [ TABLE_oif [ <oif-name> ] [ <oif-uptime> ] [ <oif-uptime-detailed>
] [ TABLE_oif_mpib [ <oif-mpib-name> ] [ <stale-oif> ] [ <omd-vpc-svi> ] [ <core-interest> ] [
<fabric-interest> ] ] [ <rpf> ] ] [ <route-mdt-iod> ] [ <oif-list-bitfield> ] [ <sr-count> ] [ TABLE_sr [
<translated-route-src> ] [ <translated-route-grp> ] [ <udp-src-port> ] [ <udp-dst-port> ] [ <sr-oif> ] ] ] [
TABLE_extranet [ <extranet_vrf_name> ] [ <extranet_addr> ] [ <extranet_oif_count> ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
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
mroute	Display IP multicast routing table
summary	(Optional) Display route counts and packet rates
shared-tree	(Optional) Display route for *,G entries
source-tree	(Optional) Display route for S,G entries
software-forwarded	(Optional) Display software switched route counts only
rpf-failed	(Optional) Display RPF failure statistics
rp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mofrr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

count	(Optional) Display route counts only
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display detailed route attributes
flags	(Optional) Display detailed route attributes
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>expry_timer</i>	(Optional)
<i>route_count</i>	(Optional)
<i>star_g_cnt</i>	(Optional)
<i>sg_cnt</i>	(Optional)
<i>star_g_prfx_cnt</i>	(Optional)
TABLE_summary_source	(Optional)
<i>group_addr</i>	(Optional)
<i>group_mask_len</i>	(Optional)
<i>source_count</i>	(Optional)
TABLE_one_sg	(Optional)
<i>source_addr</i>	(Optional)
<i>packets</i>	(Optional)
<i>bytes</i>	(Optional)
<i>aps</i>	(Optional)
<i>pps</i>	(Optional)
<i>rate_buf</i>	(Optional)
<i>oifs</i>	(Optional)
<i>software_fwd</i>	(Optional)
<i>rpf-failed-pkts</i>	(Optional)
<i>rpf-failed-bytes</i>	(Optional)
TABLE_one_route	(Optional)
<i>mcast-addrs</i>	(Optional)

<i>source_addrs</i>	(Optional)
<i>group_addrs</i>	(Optional)
<i>bidir</i>	(Optional)
<i>pending</i>	(Optional)
<i>mofrr</i>	(Optional)
<i>uptime</i>	(Optional)
<i>vlan-dci-core</i>	(Optional)
<i>vlan-src-dci-remote</i>	(Optional)
<i>vlan-src-vipr</i>	(Optional)
<i>uptime_detailed</i>	(Optional)
TABLE_mpib	(Optional)
<i>mpib-name</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>stale-route</i>	(Optional)
<i>mdt-encap-index</i>	(Optional)
<i>stats-pkts</i>	(Optional)
<i>stats-bytes</i>	(Optional)
<i>stats-rate-buf</i>	(Optional)
<i>lisp-src-rloc</i>	(Optional)
<i>nat-mode</i>	(Optional)
<i>nat-route-type</i>	(Optional)
<i>route-iif</i>	(Optional)
<i>rpf-nbr</i>	(Optional)
<i>mofrr-iif</i>	(Optional)
<i>mofrr-nbr</i>	(Optional)
<i>internal</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>fabric-oif</i>	(Optional)
<i>fabric-loser</i>	(Optional)

<i>num-vpc-svi-oifs</i>	(Optional)
TABLE_oif	(Optional)
<i>oif-name</i>	(Optional)
<i>oif-uptime</i>	(Optional)
<i>oif-uptime-detailed</i>	(Optional)
TABLE_oif_mpib	(Optional)
<i>oif-mpib-name</i>	(Optional)
<i>stale-oif</i>	(Optional)
<i>omd-vpc-svi</i>	(Optional)
<i>core-interest</i>	(Optional)
<i>fabric-interest</i>	(Optional)
<i>rpf</i>	(Optional)
<i>route-mdt-iod</i>	(Optional)
<i>oif-list-bitfield</i>	(Optional)
TABLE_route_summary	(Optional)
<i>total-num-routes</i>	(Optional)
<i>star-g-route</i>	(Optional)
<i>sg-route</i>	(Optional)
<i>star-g-prfx</i>	(Optional)
<i>group-count</i>	(Optional)
<i>avg</i>	(Optional)
<i>rem</i>	(Optional)
<i>stats-pndg</i>	(Optional)
<i>sr-count</i>	(Optional)
TABLE_sr	(Optional)
<i>translated-route-src</i>	(Optional)
<i>translated-route-grp</i>	(Optional)
<i>udp-src-port</i>	(Optional)
<i>udp-dst-port</i>	(Optional)

<i>sr-oif</i>	(Optional)
TABLE_extranet	(Optional)
<i>extranet_vrf_name</i>	(Optional)
<i>extranet_addr</i>	(Optional)
<i>extranet_oif_count</i>	(Optional)

Command Mode

- /exec

show ipv6 mtu

```
show ipv6 mtu [ statistics | vrf { <vrf-name> | <vrf-known-name> | all [ detail ] } ] [ __readonly__ [
TABLE_mtu_stat <out-ent> <exp-ent> <purge-ent> <int-err> <pkt-too-big> <cache-miss> <cache-upd>
<mtu-small> <cache-no-upd> ] [ TABLE_mtu_vrf [ <tot-ipv6-mtu> ] [ TABLE_one_mtu [ <pmtu-entxt> ]
[ { <mtu-ipv6> <mtu-cache> <up-time> <iod-lcache> } ] ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mtu	Display IPV6 Path MTU Cache
statistics	(Optional) Display non-TCP Path MTU Statistics
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_mtu_stat	(Optional) mtu statistic table
<i>out-ent</i>	(Optional) outstanding entries
<i>exp-ent</i>	(Optional) expired entries
<i>purge-ent</i>	(Optional) purge entries
<i>int-err</i>	(Optional) internal entries
<i>pkt-too-big</i>	(Optional) packets too big meassages received
<i>cache-miss</i>	(Optional) cache misses
<i>cache-upd</i>	(Optional) cache updates
<i>mtu-small</i>	(Optional) too small mtu advertised
<i>cache-no-upd</i>	(Optional) cache no update
TABLE_mtu_vrf	(Optional) MTU vrf table
<i>tot-ipv6-mtu</i>	(Optional) total ipv6 mtu messages
TABLE_one_mtu	(Optional) MTU table

<i>pmtu-cntxt</i>	(Optional) pmtu context
<i>mtu-cache</i>	(Optional) mtu cache
<i>up-time</i>	(Optional) up time
<i>iod-lcache</i>	(Optional) iod lcache

Command Mode

- /exec

show ipv6 multicast vrf

```
show ipv6 multicast vrf [ <vrf-name> | <vrf-known-name> | all ] [ detail ] [ __readonly__ <vrf-count> [ {
TABLE_vrf <vrf-name> <cid> <tid> <rc> <gc> <sc> <star_gc> <state> [ <multipath-configuration> ] [
<mrrib-cc-timer-left> ] [ <mrrib-stats-timer-left> ] [ <mrrib-mfdm-timer-left> ] [ <mrrib-lisp-timer-left> ] [
<sr-interface> ] [ <resilient> ] [ TABLE_RPF_SELECT <rpf-ip> <rpf-ip-mask> <rpf-vrf> ] [
<global-mcast-bndry> ] [ <dc1-mcast> ] } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
multicast	Display multicast routing info
vrf	Display information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
<i>vrf-count</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>cid</i>	(Optional)
<i>tid</i>	(Optional)
<i>rc</i>	(Optional)
<i>gc</i>	(Optional)
<i>sc</i>	(Optional)
<i>star_gc</i>	(Optional)
<i>state</i>	(Optional)
<i>multipath-configuration</i>	(Optional)
<i>mrrib-cc-timer-left</i>	(Optional)
<i>mrrib-stats-timer-left</i>	(Optional)
<i>mrrib-mfdm-timer-left</i>	(Optional)

<i>mrrib-lisp-timer-left</i>	(Optional)
<i>sr-interface</i>	(Optional)
<i>resilient</i>	(Optional)
TABLE_RPF_SELECT	(Optional)
<i>rpf-ip</i>	(Optional)
<i>rpf-ip-mask</i>	(Optional)
<i>rpf-vrf</i>	(Optional)
<i>global-mcast-bndry</i>	(Optional)
<i>dci-mcast</i>	(Optional)

Command Mode

- /exec

show ipv6 nd ra dns search-list

```
show ipv6 nd ra dns search-list [ interface <interface> ] [ __readonly__ { TABLE_intf <intf_name>
<dns_supress_server_list> [ { TABLE_list <list_no> <list_name> [ { <finite> | <infinite> } ] <seq_no> } ]
} ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
search-list	DNS Search List
interface	(Optional) Display DNS Search List information on interface
<i>interface</i>	(Optional) Interface name to display
<i>__readonly__</i>	(Optional)
TABLE_intf	(Optional) IPV6 Interface name
<i>intf_name</i>	(Optional) Interface name
<i>dns_supress_server_list</i>	(Optional) DNS Supress server list
TABLE_list	(Optional) Search list
<i>list_no</i>	(Optional) Search list number
<i>list_name</i>	(Optional) Search list name
<i>finite</i>	(Optional) Search list life time
<i>infinite</i>	(Optional) Search list infinte time
<i>seq_no</i>	(Optional) Search list sequence number

Command Mode

- /exec

show ipv6 nd ra dns server

```
show ipv6 nd ra dns server [ interface <interface> ] [ __readonly__ [ { TABLE_intf_name [ <inf-name> ] } ] ] [ { TABLE_intf [ <dns-recursion-server-list> ] [ <dns-suppression-server-list> ] [ { TABLE_dns_server [ <dns-server-index> ] [ <dns-server-list> ] [ <lifetime> ] [ <second-seqno> ] } ] [ { TABLE_dns_seq [ <dns-server> ] [ <dns-addr> ] [ <infinite-seq-no> ] } ] } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
server	Domain Name System Server
interface	(Optional) Display Recursive DNS Server List information on interface
<i>interface</i>	(Optional) Interface name to display
<i>__readonly__</i>	(Optional)
TABLE_intf_name	(Optional) interface table
<i>inf-name</i>	(Optional) interface name
TABLE_intf	(Optional)
<i>dns-recursion-server-list</i>	(Optional) DNS recursion server list
<i>dns-suppression-server-list</i>	(Optional) DNS suppression server list
TABLE_dns_server	(Optional) DNS server table
<i>dns-server-index</i>	(Optional) dns server index
<i>dns-server-list</i>	(Optional) dns server list
<i>lifetime</i>	(Optional) server lifetime
<i>second-seqno</i>	(Optional) second sequence number
TABLE_dns_seq	(Optional) DNS sequence table
<i>dns-server</i>	(Optional) dns server
<i>dns-addr</i>	(Optional) dns address
<i>infinite-seq-no</i>	(Optional) infinite sequence number

Command Mode

- /exec

show ipv6 nd rguard policy

```
show ipv6 nd rguard policy [ <name> ] [ __readonly__ { TABLE_rguard_policy <policy> [ <port_type>
] <device_role> [ <min_hop_limit> ] [ <max_hop_limit> ] [ <mgd_conf_flag> ] [ <other_conf_flag> ] [
<rtr_pref_max> ] [ <ra_prefix_list> ] [ <ipv6_acl> ] [ { TABLE_rguard_targets <target> <target_type>
<target_policy> <feature> <target_range> } ] } ]
```

Syntax Description

<i>name</i>	(Optional) Policy name for feature RA guard
<i>__readonly__</i>	(Optional)
TABLE_rguard_policy	(Optional) IPv6 RA guard policy
<i>policy</i>	(Optional) Policy Name
<i>port_type</i>	(Optional) Port type
<i>device_role</i>	(Optional) Device role
<i>min_hop_limit</i>	(Optional) Minimum hop limit
<i>max_hop_limit</i>	(Optional) Minimum hop limit
<i>mgd_conf_flag</i>	(Optional) Check managed config flag
<i>other_conf_flag</i>	(Optional) Check other config flag
<i>rtr_pref_max</i>	(Optional) Router-preference maximum
<i>ra_prefix_list</i>	(Optional) Match RA prefix list
<i>ipv6_acl</i>	(Optional) Match IPv6 access list
TABLE_rguard_targets	(Optional) RA Guard Targets table
<i>target</i>	(Optional) Target Name
<i>target_type</i>	(Optional) Target Type
<i>target_policy</i>	(Optional) Policy Name
<i>feature</i>	(Optional) Feature
<i>target_range</i>	(Optional) Target Range

Command Mode

- /exec

show ipv6 nd suppression-cache

```
show ipv6 nd suppression-cache { detail [ vlan <vlan_id> ] | summary | statistics | vlan <vlan_id> | local [
vlan <vlan_id> ] | remote [ vlan <vlan_id> ] } [ __readonly__ TABLE_nd-suppression [ TABLE_entries
<ipv6-addr> <age> <mac> <vlan> <physical-iod> <flag> [ <remote-vtep-addr> | <remote-vtep-v6addr> ] ]
[ TABLE_summary <remote-count> <local-count> <total-count> ] [ TABLE_statistics <total-suppressed>
<requests> <replies> <ns-flood-to-bd> <total-recv> <recv-ns> <recv-nonlocal-ns> <recv-nonlocal-na>
<total-mobility> <remote-to-local> <local-to-remote> <remote-to-remote> <signal-refresh> <adds> <dels>
] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
suppression-cache	nd-suppression-cache
detail	show details
summary	show summary
statistics	show statistics
local	show local entries
remote	show remote entries
vlan	(Optional) L2vlan
<i>vlan_id</i>	(Optional) Vlan
<i>__readonly__</i>	(Optional)
TABLE_nd-suppression	(Optional) IPv6 ND suppression-cache
TABLE_entries	(Optional) IPv6 ND suppression entries
<i>age</i>	(Optional) Age
<i>mac</i>	(Optional) MAC address
<i>vlan</i>	(Optional) vlan id
<i>physical-iod</i>	(Optional) Physical iod
<i>flag</i>	(Optional) Flags
<i>remote-vtep-addr</i>	(Optional) Remote Vtep Address
TABLE_summary	(Optional) IP ND suppression-cache Summary
<i>remote-count</i>	(Optional) Remote count

<i>local-count</i>	(Optional) Local count
<i>total-count</i>	(Optional) Total count
TABLE_statistics	(Optional) IP ND suppression-cache Statistics
<i>total-suppressed</i>	(Optional) ND suppression Suppressed
<i>requests</i>	(Optional) ND suppression Requests
<i>replies</i>	(Optional) ND suppression Replies
<i>ns-flood-to-bd</i>	(Optional) ND suppression NS flood to bd
<i>total-recv</i>	(Optional) Total
<i>recv-ns</i>	(Optional) ND suppression recv ns
<i>recv-nonlocal-ns</i>	(Optional) ND suppression recv nonlocal ns
<i>recv-nonlocal-na</i>	(Optional) ND suppression recv nonlocal na
<i>total-mobility</i>	(Optional) Total
<i>remote-to-local</i>	(Optional) ND suppression remote to local
<i>local-to-remote</i>	(Optional) ND suppression local to remote
<i>remote-to-remote</i>	(Optional) ND suppression remote to remote
<i>signal-refresh</i>	(Optional) ND suppression RARP signal refresh
<i>adds</i>	(Optional) Adds
<i>dels</i>	(Optional) Deletes

Command Mode

- /exec

show ipv6 neighbor binding

```
show ipv6 neighbor binding [ { { vlan <vlanid> [ details ] } | { { address { <ipv6-addr> | all } } { interface <intfid> vlan <vlanid> [ details ] }
```

Syntax Description

<i>intfid</i>	(Optional) [details]
show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	(Optional) Vlan number

Command Mode

- /exec

show ipv6 neighbor binding mac

```
show ipv6 neighbor binding mac <macaddr> { interface <intfid> vlan <vlanid> [ details ] |
```

Syntax Description

<i>intfid</i>	[details]
show	Show running system information
ipv6	Show the IPv6 features of the system
<i>macaddr</i>	48-bit hardware address
<i>vlanid</i>	Vlan number

Command Mode

- /exec

show ipv6 neighbor static

```
show ipv6 neighbor static [ interface <interface> ] [ __readonly__ [ TABLE_i6_nei { <nei-ipv6> <nei-mac>
<nei-iod> <nei-if-iod> } ] [ <tot-nei-ent> ] [ TABLE_nei_cnt { <nei-ipv6-tot> <nei-mac-tot> <nei-iod-tot>
<nei-if-iod-tot> } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
neighbor	Show IPv6 neighbor entry
static	Displays only static neighbors
interface	(Optional) Display IPv6 related interface information
<i>interface</i>	(Optional) Interface name to display
<i>__readonly__</i>	(Optional)
TABLE_i6_nei	(Optional) ipv6 neighbor table
<i>nei-mac</i>	(Optional) neighbor mac address
<i>nei-iod</i>	(Optional) neighbor iod
<i>nei-if-iod</i>	(Optional) neighbor interface iod
<i>tot-nei-ent</i>	(Optional) total neighbor entries
TABLE_nei_cnt	(Optional) neighbor count table
<i>nei-mac-tot</i>	(Optional) neighbor mac address
<i>nei-iod-tot</i>	(Optional) neighbor iod
<i>nei-if-iod-tot</i>	(Optional) neighbor physical interface iod

Command Mode

- /exec

<i>winner-metric-pref</i>	(Optional)
<i>winner-metric</i>	(Optional)
<i>uptime</i>	(Optional)
<i>is-rpf</i>	(Optional)

Command Mode

- /exec

show ipv6 pim fabric info

```
show ipv6 pim fabric info [ __readonly__ <switch_role> <fabric_ctrl_addr> <peer_fabric_ctrl_infra>
<vpc_domain_id> <peer_fabric_ctrl_addr> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
fabric	Fabric functionality
info	show the fabric info
<i>__readonly__</i>	(Optional)
<i>switch_role</i>	(Optional)
<i>fabric_ctrl_addr</i>	(Optional)
<i>peer_fabric_ctrl_infra</i>	(Optional)
<i>vpc_domain_id</i>	(Optional)
<i>peer_fabric_ctrl_addr</i>	(Optional)

Command Mode

- /exec

show ipv6 pim fabric legacy-vlans

show ipv6 pim fabric legacy-vlans [*__readonly__* *TABLE_legacy_vlan* *<vlan_id>*]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
fabric	Fabric functionality
legacy-vlans	Show legacy VLANs on this switch
<i>__readonly__</i>	(Optional)
<i>TABLE_legacy_vlan</i>	(Optional)
<i>vlan_id</i>	(Optional)

Command Mode

- /exec

show ipv6 pim group-range

```
show ipv6 pim group-range [ <group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [
TABLE_vrf <out-context> [ { TABLE_group [ <grp-addr> ] [ <invalid-grp> ] [ <action> ] [ <mode> ] [
<rp-addr> ] [ <sh-tree-only-range> ] [ <origin> } } ] ] ] ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
group-range	Display the various group-ranges
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>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out-context</i>	(Optional)
TABLE_group	(Optional)
<i>invalid-grp</i>	(Optional)
<i>grp-addr</i>	(Optional)
<i>mode</i>	(Optional)
<i>rp-addr</i>	(Optional)
<i>sh-tree-only-range</i>	(Optional)
<i>action</i>	(Optional)
<i>origin</i>	(Optional)

Command Mode

- /exec

show ipv6 pim interface

```
show ipv6 pim interface [ <interface> ] [ brief ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ]
[ __readonly__ [ <is-pim-enabled> ] [ TABLE_vrf [ <out-context> ] [ TABLE_brief [ <if-name> ] [ <if-addr>
] [ <if-dr> ] [ <if-nbr-count> ] [ <if-is-border> ] ] [ TABLE_iod [ <if-name> ] [ <if-status> ] [
<cached_if_status> ] [ <if-addr-summary> ] [ <pim-dr-address> ] [ <dr-priority> ] [ <no-dr-priority> ] [
<nbr-cnt> ] [ <hello-interval-sec> ] [ <hello-interval-msec> ] [ <hello-timer> ] [ <holdtime-msec> ] [
<holdtime-sec> ] [ <if-conf-dr-priority> ] [ <if-conf-delay> ] [ <is-border> ] [ <genid> ] [ <isauth-config> ]
[ <nbr-policy-name> ] [ <jp-in-policy-name> ] [ <jp-out-policy-name> ] [ <jp-interval> ] [ <jp-next-send> ]
[ <pim-bfd-enabled> ] [ <is-passive> ] [ <is-pim-vpc-svi> ] [ <is-auto-enabled> ] [ <vpc-peer-nbr> ] [
<last-cleared> ] [ <hello-sent> ] [ <hello-rcvd> ] [ <hello-early-sent> ] [ <jp-sent> ] [ <jp-rcvd> ] [ <assert-sent>
] [ <assert-rcvd> ] [ <graft-sent> ] [ <graft-rcvd> ] [ <graft-ack-sent> ] [ <graft-ack-rcvd> ] [ <df-offer-sent>
] [ <df-offer-rcvd> ] [ <df-winner-sent> ] [ <df-winner-rcvd> ] [ <df-backoff-sent> ] [ <df-backoff-rcvd> ] [
<pass-sent> ] [ <pass-rcvd> ] [ <cksum-errors> ] [ <invalid-errors> ] [ <invalid-df-errors> ] [ <auth-failed>
] [ <pak-len-errors> ] [ <ver-errors> ] [ <pkts-self> ] [ <pkts-non-nbr> ] [ <pkts-on-passive> ] [ <jp-rcvd-on-rpf>
] [ <jp-rcvd-no-rp> ] [ <jp-rcvd-wrong-rp> ] [ <jp-rcvd-for-ssm> ] [ <jp-rcvd-for-bidir> ] [ <jp-in-policy-filter>
] [ <jp-out-policy-filter> ] [ <ecmp-redirect-sent> ] [ <ecmp-redirect-rcvd> ] [ <is-border-router> ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
interface	Display PIM6 interface related information
<i>interface</i>	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per interface
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
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
<i>is-pim-enabled</i>	(Optional)
TABLE_vrf	(Optional)
<i>out-context</i>	(Optional)
TABLE_brief	(Optional)
<i>if-name</i>	(Optional)

<i>if-addr</i>	(Optional)
<i>if-dr</i>	(Optional)
<i>if-nbr-count</i>	(Optional)
<i>if-is-border</i>	(Optional)
TABLE_iod	(Optional)
<i>if-name</i>	(Optional)
<i>if-status</i>	(Optional)
<i>cached_if_status</i>	(Optional)
<i>if-addr-summary</i>	(Optional)
<i>pim-dr-address</i>	(Optional)
<i>dr-priority</i>	(Optional)
<i>no-dr-priority</i>	(Optional)
<i>nbr-cnt</i>	(Optional)
<i>hello-interval-sec</i>	(Optional)
<i>hello-interval-msec</i>	(Optional)
<i>hello-timer</i>	(Optional)
<i>holdtime-msec</i>	(Optional)
<i>holdtime-sec</i>	(Optional)
<i>if-conf-dr-priority</i>	(Optional)
<i>if-conf-delay</i>	(Optional)
<i>is-border</i>	(Optional)
<i>genid</i>	(Optional)
<i>isauth-config</i>	(Optional)
<i>nbr-policy-name</i>	(Optional)
<i>jp-in-policy-name</i>	(Optional)
<i>jp-out-policy-name</i>	(Optional)
<i>jp-interval</i>	(Optional)
<i>jp-next-send</i>	(Optional)
<i>pim-bfd-enabled</i>	(Optional)

<i>is-passive</i>	(Optional)
<i>is-pim-vpc-svi</i>	(Optional)
<i>is-auto-enabled</i>	(Optional)
<i>vpc-peer-nbr</i>	(Optional)
<i>last-cleared</i>	(Optional)
<i>hello-sent</i>	(Optional)
<i>hello-rcvd</i>	(Optional)
<i>hello-early-sent</i>	(Optional)
<i>jp-sent</i>	(Optional)
<i>jp-rcvd</i>	(Optional)
<i>assert-sent</i>	(Optional)
<i>assert-rcvd</i>	(Optional)
<i>graft-sent</i>	(Optional)
<i>graft-rcvd</i>	(Optional)
<i>graft-ack-sent</i>	(Optional)
<i>graft-ack-rcvd</i>	(Optional)
<i>df-offer-sent</i>	(Optional)
<i>df-offer-rcvd</i>	(Optional)
<i>df-winner-sent</i>	(Optional)
<i>df-winner-rcvd</i>	(Optional)
<i>df-backoff-sent</i>	(Optional)
<i>df-backoff-rcvd</i>	(Optional)
<i>pass-sent</i>	(Optional)
<i>pass-rcvd</i>	(Optional)
<i>cksum-errors</i>	(Optional)
<i>invalid-errors</i>	(Optional)
<i>invalid-df-errors</i>	(Optional)
<i>auth-failed</i>	(Optional)
<i>pak-len-errors</i>	(Optional)

<i>ver-errors</i>	(Optional)
<i>pkts-self</i>	(Optional)
<i>pkts-non-nbr</i>	(Optional)
<i>pkts-on-passive</i>	(Optional)
<i>jp-rcvd-on-rpf</i>	(Optional)
<i>jp-rcvd-no-rp</i>	(Optional)
<i>jp-rcvd-wrong-rp</i>	(Optional)
<i>jp-rcvd-for-ssm</i>	(Optional)
<i>jp-rcvd-for-bidir</i>	(Optional)
<i>jp-in-policy-filter</i>	(Optional)
<i>jp-out-policy-filter</i>	(Optional)
<i>ecmp-redirect-sent</i>	(Optional)
<i>ecmp-redirect-rcv</i>	(Optional)
<i>is-border-router</i>	(Optional)

Command Mode

- /exec

show ipv6 pim mdt

```
show ipv6 pim mdt [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf <out_context>
<mti> <mti_status> <default_mdt_grp> <grp_mode> <asm_shared_tree> <mti_config_mtu> <mti_active_mtu>
<cfg_tunnel_src_if> <bgp_update_src_if> <hello_interval> <jp_interval> <data_mdt_join_interval>
<data_switchover_interval> <data_holddown_interval> <data_timeout_interval> <mdt_src> <mdt_src_if>
<bgp_rd> <bgp_rd_set> <send_join_count> <rcvd_join_count> { TABLE_data_mdt <grange_prefix>
<grange_mask_len> <threshold> [ <policy_name> } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
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>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
<i>mti</i>	(Optional)
<i>mti_status</i>	(Optional)
<i>grp_mode</i>	(Optional)
<i>asm_shared_tree</i>	(Optional)
<i>mti_config_mtu</i>	(Optional)
<i>mti_active_mtu</i>	(Optional)
<i>cfg_tunnel_src_if</i>	(Optional)
<i>bgp_update_src_if</i>	(Optional)
<i>hello_interval</i>	(Optional)
<i>jp_interval</i>	(Optional)
<i>data_mdt_join_interval</i>	(Optional)

<i>data_switchover_interval</i>	(Optional)
<i>data_holddown_interval</i>	(Optional)
<i>data_timeout_interval</i>	(Optional)
<i>mdt_src_if</i>	(Optional)
<i>bgp_rd</i>	(Optional)
<i>bgp_rd_set</i>	(Optional)
<i>send_join_count</i>	(Optional)
<i>rcvd_join_count</i>	(Optional)
TABLE_data_mdt	(Optional)
<i>grange_mask_len</i>	(Optional)
<i>threshold</i>	(Optional)
<i>policy_name</i>	(Optional)

Command Mode

- /exec

show ipv6 pim mdt bgp

```
show ipv6 pim mdt bgp [ mdt-source <src-addr> ] [ __readonly__ { TABLE_entry <bgp_rd> <mdt_src>
<mdt_grp> <local> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
bgp	Display BGP related information
mdt-source	(Optional) Source address of MVPN neighbor
__readonly__	(Optional)
TABLE_entry	(Optional)
<i>bgp_rd</i>	(Optional)
<i>local</i>	(Optional)

Command Mode

- /exec

show ipv6 pim mdt history interval

```
show ipv6 pim mdt history interval <min> [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
TABLE_vrf <out_context> [ { TABLE_entry <csrc> <cgrp> <psrc> <pgrp> <uptime> <send_count> } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
history	Display MDT Data Join Send Histoy
interval	Display in specified interval
<i>min</i>	Minutes
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_entry	(Optional)
<i>uptime</i>	(Optional)
<i>send_count</i>	(Optional)

Command Mode

- /exec

show ipv6 pim mdt receive

```
show ipv6 pim mdt receive [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
[ <out_context> ] [ TABLE_entry [ <csrc> ] [ <cgrp> ] [ <psrc> ] [ <pgrp> ] [ <uptime> ] [ <expires> ] [
<rcv_count> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
receive	Display Received Data Joins Information
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
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_entry	(Optional)
<i>uptime</i>	(Optional)
<i>expires</i>	(Optional)
<i>rcv_count</i>	(Optional)

Command Mode

- /exec

show ipv6 pim mdt send

```
show ipv6 pim mdt send [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<out_context> [ { TABLE_entry <csrc> <cgrp> <psrc> <pgrp> <uptime> <send_count> } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
send	Display MDT Data Join Send Information
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
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_entry	(Optional)
<i>uptime</i>	(Optional)
<i>send_count</i>	(Optional)

Command Mode

- /exec

show ipv6 pim neighbor

```
show ipv6 pim neighbor { [ <interface> ] | [ <address> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
detail | internal ] [ __readonly__ [ TABLE_vrf <out-context> [ TABLE_neighbor
<nbr-addr><if-name><uptime><expires> [ <dr-priority> ] <bidir-capable><bfd-state> [
<longest-hello-intvl><non-hello-pkts> ] [ <ecmp-redirect-capable> ] [ TABLE_secondary <sec-addr> ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
neighbor	Display PIM6 neighbor related information
<i>interface</i>	(Optional) Display neighbors on single interface name
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
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out-context</i>	(Optional)
TABLE_neighbor	(Optional)
<i>dr-priority</i>	(Optional)
<i>ecmp-redirect-capable</i>	(Optional)
TABLE_secondary	(Optional)

Command Mode

- /exec

TABLE_immediatelist	(Optional)
<i>immediateoif-name</i>	(Optional)
<i>immediate-timeout-list-count</i>	(Optional)
TABLE_immediatetimetypeoutlist	(Optional)
<i>immediatetimetypeoutoif-name</i>	(Optional)
<i>sgr-prune-list-count</i>	(Optional)
TABLE_sgrprunelist	(Optional)
<i>sgrprunelisoif-name</i>	(Optional)

Command Mode

- /exec

show ipv6 pim policy statistics jp

```
show ipv6 pim policy statistics { jp-policy | neighbor-policy } <interface> [ __readonly__ { TABLE_routemap
<name> <action> <seq_num> [ { TABLE_cmd <command> <compare_count> <match_count> } ] }
<total_accept_count> <total_reject_count> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	PIM6 global configuration commands
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
<i>interface</i>	Interface to display policy statistics for
<i>__readonly__</i>	(Optional)
TABLE_routemap	(Optional)
<i>name</i>	(Optional)
<i>action</i>	(Optional)
<i>seq_num</i>	(Optional)
TABLE_cmd	(Optional)
<i>command</i>	(Optional)
<i>compare_count</i>	(Optional)
<i>match_count</i>	(Optional)
<i>total_accept_count</i>	(Optional)
<i>total_reject_count</i>	(Optional)

Command Mode

- /exec

show ipv6 pim route

```
show ipv6 pim route [ [ <source> [ <group> ] ] | [ <group> [ <source> ] ] ] [ bitfield ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf [ <context-name> ] [ <route-count> ] [
TABLE_one_route [ <mcast-addr> ] [ <rp-addr> ] [ <rp-local> ] [ <bidir> ] [ <sgexpire> ] [ <sgexpire> ]
[ <timeleft> ] [ <rp-bit> ] [ <register> ] [ <intf-name> ] [ <rpf-nbr-1> ] [ <rpf-nbr-addr> ] [ <oif-count> ] [
<oif-bf-str> ] [ <timeout-count> ] [ <timeout-bf-str> ] [ <immediate-count> ] [ <immediate-bf-str> ] [
<immediate-timeout-count> ] [ <immediate-timeout-bf-str> ] [ <sgr-prune-list-count> ] [ <sgr-prune-list-bf-str>
] [ <timeout-interval> ] [ <jp-holdtime-rndup> ] [ <mdt-encap-index> ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
route	Display PIM6 specific route information
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>context-name</i>	(Optional)
<i>route-count</i>	(Optional)
TABLE_one_route	(Optional)
<i>mcast-addr</i>	(Optional)
<i>rp-addr</i>	(Optional)
<i>rp-local</i>	(Optional)
<i>bidir</i>	(Optional)
<i>sgexpire</i>	(Optional)
<i>sgexpire</i>	(Optional)
<i>timeleft</i>	(Optional)
<i>rp-bit</i>	(Optional)

<i>register</i>	(Optional)
<i>intf-name</i>	(Optional)
<i>rpf-nbr-1</i>	(Optional)
<i>rpf-nbr-addr</i>	(Optional)
<i>oif-count</i>	(Optional)
<i>oif-bf-str</i>	(Optional)
<i>timeout-count</i>	(Optional)
<i>timeout-bf-str</i>	(Optional)
<i>immediate-count</i>	(Optional)
<i>immediate-bf-str</i>	(Optional)
<i>immediate-timeout-count</i>	(Optional)
<i>immediate-timeout-bf-str</i>	(Optional)
<i>sgr-prune-list-count</i>	(Optional)
<i>sgr-prune-list-bf-str</i>	(Optional)
<i>timeout-interval</i>	(Optional)
<i>jp-holdtime-rndup</i>	(Optional)
<i>mdt-encap-index</i>	(Optional)

Command Mode

- /exec

show ipv6 pim rp-hash

```
show ipv6 pim rp-hash <group> [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ <out-context>
[ <rp-found> ] [ <is-rp-bsr-learnt> ] [ <out-group1> <rp-addr1> ] [ <out-group> <hash-length> <out-bsr> ]
[ { TABLE_rp <rp-addr> <hash> <isbest_hash> } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
rp-hash	Display RP hash value for group
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>__readonly__</i>	(Optional)
<i>out-context</i>	(Optional)
<i>rp-found</i>	(Optional)
<i>is-rp-bsr-learnt</i>	(Optional)
<i>hash-length</i>	(Optional)
TABLE_rp	(Optional)
<i>hash</i>	(Optional)
<i>isbest_hash</i>	(Optional)

Command Mode

- /exec

show ipv6 pim rp

```
show ipv6 pim rp [ <group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ] [ __readonly__ [
TABLE_vrf <out-context> [ <is-bsr-enabled> ] [ <is-bsr-listen-only> ] [ <is-bsr-forward-only> ] [ <bsr-address>
] [ <is-bsr-local> ] [ <bsr-is-local> ] [ <bs-timer> ] [ <bsr-uptime> ] [ <bsr-expires> ] [ <bsr-priority> ] [
<bsr-hash-masklen> ] [ <rp-cand-policy-name> ] [ <bsr-policy-name> ] [ TABLE_anycast_rp <anycast-rp-addr>
] [ TABLE_arp_rp <arp-rp-addr> <is-rpaddr-local> ] ] [ TABLE_rp [ <rp-addr> ] [ <is-rp-local> ] [ <df-ordinal>
] [ <rp-uptime> ] [ <rp-priority> ] [ <is_autorp_source> ] [ <is_bsr_source> ] [ <is_static_source> ] [
<rp-source> ] [ <static-rp-group-map> ] [ TABLE_grange [ <grange-grp> ] [ <grange-masklen> ] [
<grange-is-deny> ] [ <is-bidir-grp> ] [ <autorp-expires> ] [ <bsr-rp-expires> ] [ <rp-owner-flags> ] ] [ [
<bidir-ordinal> ] [ <df-bits-recovered> ] [ <rpf-nbr-address> ] [ <metric> ] [ <metric-preference> ] ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
rp	Display PIM6 RP and BSR related information
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out-context</i>	(Optional)
<i>is-bsr-enabled</i>	(Optional)
<i>is-bsr-listen-only</i>	(Optional)
<i>is-bsr-forward-only</i>	(Optional)
<i>is-bsr-local</i>	(Optional)
<i>bsr-is-local</i>	(Optional)
<i>bsr-priority</i>	(Optional)
<i>bsr-hash-masklen</i>	(Optional)
<i>bs-timer</i>	(Optional)

<i>bsr-uptime</i>	(Optional)
<i>bsr-expires</i>	(Optional)
<i>rp-cand-policy-name</i>	(Optional)
<i>bsr-policy-name</i>	(Optional)
TABLE_anycast_rp	(Optional)
<i>anycast-rp-addr</i>	(Optional)
TABLE_arp_rp	(Optional)
<i>arp-rp-addr</i>	(Optional)
<i>is-rpaddr-local</i>	(Optional)
TABLE_rp	(Optional)
<i>rp-addr</i>	(Optional)
<i>is-rp-local</i>	(Optional)
<i>df-ordinal</i>	(Optional)
<i>rp-uptime</i>	(Optional)
<i>rp-priority</i>	(Optional)
<i>is_atorp_source</i>	(Optional)
<i>is_bsr_source</i>	(Optional)
<i>is_static_source</i>	(Optional)
<i>rp-source</i>	(Optional)
<i>static-rp-group-map</i>	(Optional)
TABLE_grange	(Optional)
<i>grange-grp</i>	(Optional)
<i>grange-masklen</i>	(Optional)
<i>grange-is-deny</i>	(Optional)
<i>is-bidir-grp</i>	(Optional)
<i>atorp-expires</i>	(Optional)
<i>bsr-rp-expires</i>	(Optional)
<i>rp-owner-flags</i>	(Optional)
<i>bidir-ordinal</i>	(Optional)

<i>df-bits-recovered</i>	(Optional)
<i>rpf-nbr-address</i>	(Optional)
<i>metric</i>	(Optional)
<i>metric-preference</i>	(Optional)

Command Mode

- /exec

show ipv6 pim statistics

```
show ipv6 pim statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<vrf-name> [ <uptime> <reg-sent> <reg-rcvd> <null-reg-sent> <null-reg-rcvd> <reg-stop-sent> <reg-stop-rcvd>
<reg-rcvd-not-rp> <reg-rcvd-for-ssm> <reg-rcvd-for-bidir> <bootstrap-sent> <bootstrap-rcvd> <cand-rp-sent>
<cand-rp-rcvd> <bs-no-nbr> <bs-border-deny> <bs-len-errors> <bs-rpf-failed> <bs-no-listen>
<candrp-border-deny> <candrp-no-listen> <ctrl-no-route> <data-no-route> <no-state> <create-state> ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
statistics	Packet counter statistics
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>uptime</i>	(Optional)
<i>reg-sent</i>	(Optional)
<i>reg-rcvd</i>	(Optional)
<i>null-reg-sent</i>	(Optional)
<i>null-reg-rcvd</i>	(Optional)
<i>reg-stop-sent</i>	(Optional)
<i>reg-stop-rcvd</i>	(Optional)
<i>reg-rcvd-not-rp</i>	(Optional)
<i>reg-rcvd-for-ssm</i>	(Optional)
<i>reg-rcvd-for-bidir</i>	(Optional)
<i>bootstrap-sent</i>	(Optional)
<i>bootstrap-rcvd</i>	(Optional)

<i>cand-rp-sent</i>	(Optional)
<i>cand-rp-rcvd</i>	(Optional)
<i>bs-no-nbr</i>	(Optional)
<i>bs-border-deny</i>	(Optional)
<i>bs-len-errors</i>	(Optional)
<i>bs-rpf-failed</i>	(Optional)
<i>bs-no-listen</i>	(Optional)
<i>candrp-border-deny</i>	(Optional)
<i>candrp-no-listen</i>	(Optional)
<i>ctrl-no-route</i>	(Optional)
<i>data-no-route</i>	(Optional)
<i>no-state</i>	(Optional)
<i>create-state</i>	(Optional)

Command Mode

- /exec

show ipv6 pim vrf

```
show ipv6 pim vrf [ { <vrf-name> | <vrf-known-name> | all } ] [ detail | internal ] [ __readonly__ {
TABLE_context <out-context> <context-id> <count> <table-id> <bfd> <mvpn> [ <strict_rfc_compliant> ]
[ <global-mcast-bndry> ] } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
vrf	Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs PIM6 is configured for
detail	(Optional) Display detailed information
internal	(Optional) VRF related internal information
__readonly__	(Optional)
TABLE_context	(Optional)
<i>out-context</i>	(Optional)
<i>context-id</i>	(Optional)
<i>table-id</i>	(Optional)
<i>count</i>	(Optional)
<i>bfd</i>	(Optional)
<i>mvpn</i>	(Optional)
<i>strict_rfc_compliant</i>	(Optional)
<i>global-mcast-bndry</i>	(Optional)

Command Mode

- /exec

show ipv6 policy

```
show ipv6 policy [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ { TABLE_pbr [ <interface> ] [ <rmap> ] [ <status> ] [ <vrf_name> ] } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
policy	Policy routing
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
__readonly__	(Optional)
TABLE_pbr	(Optional)
<i>interface</i>	(Optional)
<i>rmap</i>	(Optional)
<i>status</i>	(Optional)
<i>vrf_name</i>	(Optional)

Command Mode

- /exec

show ipv6 prefix-list

```
show ipv6 prefix-list { [ detail | summary ] [ <ipv6-pfl-name> | <ipv6-pfl-cfg-name> ] } | { { <ipv6-pfl-name>
| <ipv6-pfl-cfg-name> } seq <seq-no> } | { { <ipv6-pfl-name> | <ipv6-pfl-cfg-name> } <prefix> [ first-match
| longer ] } } [ __readonly__ TABLE_ipv6_pfl <name> <seq> <action> <rule> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
prefix-list	List IPv6 prefix lists
<i>ipv6-pfl-name</i>	(Optional) Name of prefix-list
<i>ipv6-pfl-cfg-name</i>	(Optional) Known prefix-list name
seq	Sequence number
<i>seq-no</i>	Sequence number
first-match	(Optional) Find the first match
longer	(Optional) Find the more specific entries
<i>__readonly__</i>	(Optional)
TABLE_ipv6_pfl	(Optional)
<i>name</i>	(Optional)
<i>seq</i>	(Optional)
<i>action</i>	(Optional)
<i>rule</i>	(Optional)

Command Mode

- /exec

show ipv6 process

```
show ipv6 process [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_ipv6_all {
<cnxt-name> <cnxt-id> } ] [ TABLE_ipv6 { <ipv6-vrf> <ipv6-vrf-id> <auto-disc> <auto-add> <sta-disc>
<sta-def> [ <ipv6-unreach> } ] [ TABLE_iod { <iod-val> <iod-ifind> } ] [ TABLE_ipv6_nxt { <ipv6-nxt>
} ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
process	Display IPv6 global information
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 all VRFs
<i>__readonly__</i>	(Optional)
TABLE_ipv6_all	(Optional) IPV6 process table
<i>cnxt-name</i>	(Optional) context name
<i>cnxt-id</i>	(Optional) context name
TABLE_ipv6	(Optional) ipv6 table
<i>ipv6-vrf</i>	(Optional) vrf name
<i>ipv6-vrf-id</i>	(Optional) vrf id
<i>auto-disc</i>	(Optional) auto discard
<i>auto-add</i>	(Optional) auto add
<i>sta-disc</i>	(Optional) static discard
<i>sta-def</i>	(Optional) static def
<i>ipv6-unreach</i>	(Optional) ipv6 unreachable
TABLE_iod	(Optional) IOD table
<i>iod-val</i>	(Optional) iod value
<i>iod-ifind</i>	(Optional) iod if index
TABLE_ipv6_nxt	(Optional) ipv6 next hop table

Command Mode

- /exec

show ipv6 rguard statistics

```
show ipv6 rguard statistics [ interface <intf-range> ] [ __readonly__ <msg_stats_hdr> [ <intf2> ] [ <rx_pkts> ] [ <drop_count> ] ]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
rguard	IPV6 rguard
statistics	RA packet drop count
interface	(Optional) Rguard enabled interfaces
<i>intf-range</i>	(Optional) interface
<i>__readonly__</i>	(Optional) Read only
<i>msg_stats_hdr</i>	(Optional)
<i>intf2</i>	(Optional) interface name
<i>rx_pkts</i>	(Optional)
<i>drop_count</i>	(Optional)

Command Mode

- /exec

show ipv6 rip policy statistics redistribute

```
show ipv6 rip [ instance <inst> ] policy statistics redistribute { bgp <as> | { eigrp | isis | <src-rip> | ospfv3 |
lisp } <tag> | direct | static } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_asn
<asn> TABLE_vrf <vrf> [ TABLE_rmap [ <name> <action> <seq_num> ] [ TABLE_cmd <command> [
<compare_count> ] <match_count> ] ] <total_accept_count> <total_reject_count> ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
isis	Intermediate-to-intermediate (ISIS)
src-rip	Routing Information Protocol (RIP)
ospfv3	Open Shortest Path First (OSPFv3)
lisp	LISP EID-prefixes
<i>tag</i>	Process tag
direct	Directly connected routes
static	Static routes
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
__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_rmap	(Optional) Routemap table
<i>name</i>	(Optional) Route-map Name
<i>action</i>	(Optional) Route-map action
<i>seq_num</i>	(Optional) Sequence number of the rule in route-map
TABLE_cmd	(Optional) Route-map command table
<i>command</i>	(Optional) Route-map command
<i>compare_count</i>	(Optional) Number of comparisons
<i>match_count</i>	(Optional) Number of matches
<i>total_accept_count</i>	(Optional) Total number of packets accepted by the policy
<i>total_reject_count</i>	(Optional) Total number of packets rejected by the policy

Command Mode

- /exec

interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deleted	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display routes in full detail
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_addrf	(Optional)
<i>addrf</i>	(Optional)
TABLE_prefix	(Optional)
<i>ucast-nhops</i>	(Optional)
<i>mcast-nhops</i>	(Optional)
<i>attached</i>	(Optional)
TABLE_path	(Optional)
<i>ubest</i>	(Optional)
<i>mbest</i>	(Optional)
<i>nexthop-vrf-name</i>	(Optional)
<i>ifname</i>	(Optional)
<i>bindlbl</i>	(Optional)
<i>srv6-funct</i>	(Optional) Srv6 function
<i>pref</i>	(Optional)

<i>tag</i>	(Optional)
<i>metric</i>	(Optional)
<i>uptime</i>	(Optional)
<i>clientname</i>	(Optional)
<i>linkbw</i>	(Optional)
<i>type</i>	(Optional)
<i>stale</i>	(Optional)
<i>stalelbl</i>	(Optional)
<i>hidden</i>	(Optional)
<i>remote-sid</i>	(Optional)
<i>sid-fct</i>	(Optional)
TABLE_summary	(Optional)
<i>routes</i>	(Optional)
<i>paths</i>	(Optional)
<i>multicast_paths</i>	(Optional)
TABLE_unicast	(Optional)
<i>clientnameuni</i>	(Optional)
<i>best-paths</i>	(Optional)
<i>backup-paths</i>	(Optional)
TABLE_multicast	(Optional)
<i>clientnamemulti</i>	(Optional)
<i>best-paths</i>	(Optional)
<i>backup-paths</i>	(Optional)
TABLE_route_count	(Optional)
<i>mask_len</i>	(Optional)
<i>count</i>	(Optional)

Command Mode

- /exec

<i>retrans-time</i>	(Optional) retransmission time
TABLE_prefix_ipv6	(Optional) ipv6 prefix table
<i>ipv6-prefix</i>	(Optional) ipv6 prefix
<i>buf-ipv6</i>	(Optional) ipv6 buffer
<i>buf-autono</i>	(Optional) ipv6 buffer autonomous flag
<i>valid-life-time</i>	(Optional) ipv6 valid life time
<i>prefer-life</i>	(Optional) ipv6 preferred life time

Command Mode

- /exec

show ipv6 snooping capture-policy

```
show ipv6 snooping capture-policy [ vlan <vlanid> ] [ interface <intf> ] [ __readonly__ <cmdout> ]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	(Optional) VLAN ID
<i>intf</i>	(Optional) interface
<i>__readonly__</i>	(Optional)
<i>cmdout</i>	(Optional)

Command Mode

- /exec

show ipv6 snooping counters vlan

```
show ipv6 snooping counters { { vlan <vlanid> } | { interface <intf> } } [ __readonly__ [ {
TABLE_target_counters <target> [ { TABLE_protocol_msgs <protocol_name> [ { TABLE_sub_protocol_msgs
[ <subfield_name> ] [ <msg_count> ] } ] } ] [ { TABLE_bridged_msgs <protocol_name> [ {
TABLE_sub_protocol_msgs [ <subfield_name> ] [ <msg_count> ] } ] } ] [ { TABLE_dropped_msgs
<feature_name> <protocol_name> [ { TABLE_sub_protocol_msgs [ <subfield_name> ] [ <msg_count> ] [
<drop_reason> ] } ] } ] } ] }
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	VLAN ID
<i>intf</i>	interface
<i>__readonly__</i>	(Optional)
TABLE_target_counters	(Optional) Policy counters per target
<i>target</i>	(Optional) Target Name
TABLE_protocol_msgs	(Optional) Protocol messages table
<i>protocol_name</i>	(Optional) Protocol name
TABLE_sub_protocol_msgs	(Optional) Protocol sub-messages table
<i>subfield_name</i>	(Optional) Sub-field name
<i>msg_count</i>	(Optional) Message count
TABLE_bridged_msgs	(Optional) Bridged messages table
<i>protocol_name</i>	(Optional) Protocol name
TABLE_sub_protocol_msgs	(Optional) Protocol sub-messages table
<i>subfield_name</i>	(Optional) Sub-field name
<i>msg_count</i>	(Optional) Message count
TABLE_dropped_msgs	(Optional) Bridged messages table
<i>feature_name</i>	(Optional) Feature name
<i>protocol_name</i>	(Optional) Protocol name
TABLE_sub_protocol_msgs	(Optional) Protocol sub-messages table
<i>subfield_name</i>	(Optional) Sub-field name

<i>msg_count</i>	(Optional) Message count
<i>drop_reason</i>	(Optional) Drop reason

Command Mode

- /exec

show ipv6 snooping events

show ipv6 snooping events [__readonly__ <cmdout>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
__readonly__	(Optional)
<i>cmdout</i>	(Optional)

Command Mode

- /exec

show ipv6 snooping features

```
show ipv6 snooping features [ __readonly__ { TABLE_features <name> <priority> <state> } ]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
__readonly__	(Optional)
TABLE_features	(Optional) IPv6 Snooping Features
<i>name</i>	(Optional) Name
<i>priority</i>	(Optional) Priority
<i>state</i>	(Optional) State

Command Mode

- /exec

show ipv6 snooping messages

show ipv6 snooping messages [detailed <count>] [__readonly__ <cmdout>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>count</i>	(Optional) Number of messages to display
<i>__readonly__</i>	(Optional)
<i>cmdout</i>	(Optional)

Command Mode

- /exec

show ipv6 snooping policies

```
show ipv6 snooping policies { [ vlan <vlanid> ] | [ interface <intf> ] } [ __readonly__ { TABLE_policies
<target> <target_type> <policy> <feature> <target_range> } ]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	(Optional) VLAN ID
<i>intf</i>	(Optional) interface
<i>__readonly__</i>	(Optional)
TABLE_policies	(Optional) IPv6 Snooping Policies
<i>target</i>	(Optional) Target Name
<i>target_type</i>	(Optional) Target Type
<i>policy</i>	(Optional) Policy Name
<i>feature</i>	(Optional) Feature
<i>target_range</i>	(Optional) Target Range

Command Mode

- /exec

show ipv6 snooping policy

```
show ipv6 snooping policy [ <policy_name> ] [ __readonly__ { [ TABLE_glean_policy <policy> [ <port_type>
] <sec_lvl> <device_role> [ <data_glean> ] [ <dest_glean> ] [ <glean_type> ] [ <reachable_lifetime> ] [
<stale_lifetime> ] } { [ TABLE_non_glean_protocols | TABLE_glean_protocols # 395
../feature/sisf/core/nxos/src/sisf_glean_dme.cmd <protocol> [ <prefix_list> ] ] } [ <limit_address_cnt> ] [
<limit_address_cnt_v4_per_mac> ] [ <limit_address_cnt_v6_per_mac> ] [ <limit_address_cnt_v4_per_target>
] [ <tracking> ] { { [ TABLE_targets <target> <target_type> <target_policy> <feature> <target_range> ] } }
]
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>policy_name</i>	(Optional) Policy name for feature snooping
<i>__readonly__</i>	(Optional)
TABLE_glean_policy	(Optional) IPv6 DHCP guard policy
<i>policy</i>	(Optional) Policy Name
<i>port_type</i>	(Optional) Port type
<i>sec_lvl</i>	(Optional) Security level
<i>device_role</i>	(Optional) Device role
<i>data_glean</i>	(Optional) Data glean
<i>dest_glean</i>	(Optional) Destination glean
<i>glean_type</i>	(Optional) Glean type
<i>reachable_lifetime</i>	(Optional) Reachable lifetime
<i>stale_lifetime</i>	(Optional) Stale lifetime
TABLE_non_glean_protocols	(Optional) Non Glean protocols
<i>protocol</i>	(Optional) Protocol
TABLE_glean_protocols	(Optional) Glean protocols
<i>prefix_list</i>	(Optional) Prefix list
<i>limit_address_cnt</i>	(Optional) Limit address count
<i>limit_address_cnt_v4_per_mac</i>	(Optional) Limit address count v4 per mac
<i>limit_address_cnt_v6_per_mac</i>	(Optional) Limit address count v6 per mac
<i>limit_address_cnt_v4_per_target</i>	(Optional) Limit address count v4 per target

<i>tracking</i>	(Optional) Tracking
TABLE_targets	(Optional) Targets table
<i>target</i>	(Optional) Target Name
<i>target_type</i>	(Optional) Target Type
<i>target_policy</i>	(Optional) Policy Name
<i>feature</i>	(Optional) Feature
<i>target_range</i>	(Optional) Target Range

Command Mode

- /exec

show ipv6 snooping pss database

show ipv6 snooping pss database [__readonly__ <cmdout>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
__readonly__	(Optional)
<i>cmdout</i>	(Optional)

Command Mode

- /exec

show ipv6 static-route

```
show ipv6 static-route [ <prefix> ] [ multicast ] [ track-table ] [ vrf { <vrf-name> | <vrf-known-name> | all }
] [ __readonly__ [ TABLE_vrf <vrf-name-out> ] [ TABLE_route [ <prefix-out> ] [ <next-hop> ] [ <intf-name>
] [ <pref> ] [ <next-hop-vrf> ] [ <reslv-tid> ] [ <real-nh> ] [ <has-real-intf> ] [ <real-intf-name> ] [ <track-id>
] [ <track-status> ] [ <rnh-status> ] [ <bfd-status> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
static-route	Display configured static routes
track-table	(Optional) Display track object details associated with static routes
multicast	(Optional) Display configured static mroutes
all	(Optional) Display all VRFs
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name-out</i>	(Optional) vrf name
TABLE_route	(Optional) Route table
<i>intf-name</i>	(Optional) interface name
<i>pref</i>	(Optional) interface prefix
<i>next-hop-vrf</i>	(Optional) next hop vrf
<i>reslv-tid</i>	(Optional) reslv tid
<i>has-real-intf</i>	(Optional) has real interface
<i>real-intf-name</i>	(Optional) real interface name
<i>track-id</i>	(Optional) interface track id
<i>track-status</i>	(Optional) interface track status
<i>rnh-status</i>	(Optional) interface rnh status
<i>bfd-status</i>	(Optional) interface bfd status

Command Mode

- /exec

show ipv6 traffic

```
show ipv6 traffic [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ __readonly__ [ TABLE_vrf
<vrf-name-out> ] TABLE_ipv6_traffic <uptime> <upkt-fwd> <mpkt-fwd> <ubyte-fwd> <mbyte-fwd>
<upkt-orig> <mpkt-orig> <ubyte-orig> <mbyte-orig> <upkt-consumed> <mpkt-consumed> <ubyte-consumed>
<mbyte-consumed> <ufrag-orig> <mfra-orig> <ufrag-consumed> <mfrag-consumed> <bad-version>
<rt-lookup-fail> <hoplimit-excd> <opt-header-error> <pld-length-too-small> <pm-failed> <mbuf-error>
<could-not-enc> <dest-if-down> <rx-pkts-recv> <rx-bytes-recv> <rx-inhdrrerrors> <rx-innoroutes>
<rx-inaddrrerrors> <rx-inunknownprotos> <rx-intruncatedpkts> <rx-inforwdgrams> <rx-reasmreqds>
<rx-reasmoks> <rx-reasmfails> <rx-indiscards> <rx-indelivers> <rx-inmcastpkts> <rx-inmcastbytes>
<tx-pkts-sent> <tx-bytes-sent> <tx-outrequests> <tx-outnoroutes> <tx-outforwdgrams> <tx-outdiscards>
<tx-outfragreqds> <tx-outfragoks> <tx-outfragfails> <tx-outfragcreates> <tx-outtransmits> <tx-outmcastpkts>
<tx-outmcastbytes> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
traffic	Display IPv6 traffic statistics
detail	(Optional) Display per protocol IPv6 statistics
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name-out</i>	(Optional) vrf name
TABLE_ipv6_traffic	(Optional) ipv6 traffic table
<i>uptime</i>	(Optional) up time
<i>upkt-fwd</i>	(Optional) unicast packets forward
<i>mpkt-fwd</i>	(Optional) multicast packets forward
<i>ubyte-fwd</i>	(Optional) unicast byte forward
<i>mbyte-fwd</i>	(Optional) multicast byte forward
<i>upkt-orig</i>	(Optional) unicast packet origin
<i>mpkt-orig</i>	(Optional) multicast packet origin
<i>ubyte-orig</i>	(Optional) unicast byte origin

<i>mbyte-orig</i>	(Optional) multicast byte origin
<i>upkt-consumed</i>	(Optional) unicast packet consumed
<i>mpkt-consumed</i>	(Optional) multicast packet consumed
<i>ubyte-consumed</i>	(Optional) unicast byte consumed
<i>mbyte-consumed</i>	(Optional) multicast byte consumed
<i>ufrag-orig</i>	(Optional) unicast fragment origin
<i>mfra-orig</i>	(Optional) multicast fragment origin
<i>ufrag-consumed</i>	(Optional) unicast fragment consumed
<i>mfrag-consumed</i>	(Optional) multicast fragment consumed
<i>bad-version</i>	(Optional) bad version
<i>rt-lookup-fail</i>	(Optional) route lookup fail
<i>hoplimit-excd</i>	(Optional) hoplimit exceeded
<i>opt-header-error</i>	(Optional) opt header error
<i>pld-length-too-small</i>	(Optional) pld length too small
<i>pm-failed</i>	(Optional) packet manager failed
<i>mbuf-error</i>	(Optional) m-buffer error
<i>could-not-enc</i>	(Optional) could not encode
<i>dest-if-down</i>	(Optional) destination if down
<i>rx-pkts-recv</i>	(Optional) packets received
<i>rx-bytes-recv</i>	(Optional) bytes received
<i>rx-inhdrrrors</i>	(Optional) inhdr error
<i>rx-innoroutes</i>	(Optional) in-no routes
<i>rx-inaddrerrors</i>	(Optional) in-address error
<i>rx-inunknownprotos</i>	(Optional) in-unknown protocol
<i>rx-intruncatedpkts</i>	(Optional) in-truncated packets
<i>rx-inforwdgrams</i>	(Optional) in-forward
<i>rx-reasmreqds</i>	(Optional) reasm request
<i>rx-reasmoks</i>	(Optional) reasm ok
<i>rx-reasmfails</i>	(Optional) reasm fail

<i>rx-indiscards</i>	(Optional) in-discards
<i>rx-indelivers</i>	(Optional) in-delivers
<i>rx-inmcastpkts</i>	(Optional) in multicast packets
<i>rx-inmcastbytes</i>	(Optional) in multicast bytes
<i>tx-pkts-sent</i>	(Optional) packets sent
<i>tx-bytes-sent</i>	(Optional) bytes sent
<i>tx-outrequests</i>	(Optional) out request
<i>tx-outnoroutes</i>	(Optional) out no routes
<i>tx-outforwdgrams</i>	(Optional) out forwardgrams
<i>tx-outdiscards</i>	(Optional) out discards
<i>tx-outfragreqds</i>	(Optional) out fragment request
<i>tx-outfragoks</i>	(Optional) out fragment oks
<i>tx-outfragfails</i>	(Optional) out fragment fails
<i>tx-outfragcreates</i>	(Optional) out fragment creates
<i>tx-outtransmits</i>	(Optional) out transmits
<i>tx-outmcastpkts</i>	(Optional) out multicast packets
<i>tx-outmcastbytes</i>	(Optional) out multicast bytes

Command Mode

- /exec

show isis

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ process | protocol ] [ vrf { <vrf-name>
| <vrf-known-name> | all } ] [ __readonly__ TABLE_process_tag <process-tag-out> <instance_num> <uuid>
<process-id> <vrf-name-out> <system-id-out> <is-type-out> <sap-out> <qh-out> <mtu-out> [ <gr-status-out>
] [ <gr-state-active-out> ] [ <gr-state-inactive-out> ] [ <last-gr-status-fail-out> ] [ <last-gr-status-success-out>
] [ <last-gr-status-none-out> ] [ <gr-status-disable-out> ] [ TABLE_afi_safi <af-ix> <af-bfd-config>
<af-pib-tag> ] <metric-style> <accept-metric> [ <net-set-none> ] [ TABLE_area_addr <area-addr-nsap> ] [
<proc-state-not-config> ] [ <proc-state-admin-down> ] [ <proc-state-l3vm-down> ] [
<proc-state-unknown-down> ] [ <proc-state-not-specified> ] [ <proc-state-no-net> ] [ <proc-state-no-vrf-id>
] [ <proc-state-out-memory> ] [ <proc-state-restart> ] [ <proc-state-running> ] <vrf-id-out> [ TABLE_te
<te-lvl-out> <te-lvl-active> ] [ <te-ted-out> ] [ <mpls-te-out> ] [ TABLE_mpls_te [ <mpls-te-lvl-out> ] [
<mpls-te-rtrid-intf-out> ] [ <mpls-te-fa-lvl-out> ] [ TABLE_te_fa <te-fa-sysid-out> <te-fa-intf-out> ] [
<te-stat-sys-id-out> ] [ <te-stat-rtr-id-out> ] [ TABLE_te_stat_lvl <te-stat-lvl-out> <te-stat-up-out>
<te-stat-down-out> ] [ <srte-registered-out> ] [ TABLE_segment_routing <af-out> <ptag-out> <cfg-out>
<enable-out> [ <exp-null-cfg> ] ] [ <srv6-enabled> ] [ TABLE_iib_list yeild <intf-name-out> ] [ TABLE_auth
<auth-lvl-out> [ <auth-type-no-type> ] [ <auth-type-clear-text> ] [ <auth-type-md5> ] [ <auth-type-key-chain>
] [ <auth-type-none> ] [ <auth-check> ] [ <auth-no-check> ] ] [ TABLE_spf <spf-lvl-out> [ <spf-timer> ] ]
[ TABLE_distribute_ls <distribute-linkst-lvl> ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
process	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
protocol	(Optional) Display IS-IS process information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>instance_num</i>	(Optional)
<i>uuid</i>	(Optional)
<i>process-id</i>	(Optional)
<i>vrf-name-out</i>	(Optional)

<i>system-id-out</i>	(Optional)
<i>is-type-out</i>	(Optional)
<i>sap-out</i>	(Optional)
<i>qh-out</i>	(Optional)
<i>mtu-out</i>	(Optional)
<i>gr-status-out</i>	(Optional)
<i>gr-state-active-out</i>	(Optional)
<i>gr-state-inactive-out</i>	(Optional)
<i>last-gr-status-fail-out</i>	(Optional)
<i>last-gr-status-success-out</i>	(Optional)
<i>last-gr-status-none-out</i>	(Optional)
<i>gr-status-disable-out</i>	(Optional)
TABLE_afi_safi	(Optional)
<i>af-ix</i>	(Optional)
<i>af-bfd-config</i>	(Optional)
<i>af-pib-tag</i>	(Optional)
<i>metric-style</i>	(Optional)
<i>accept-metric</i>	(Optional)
<i>net-set-none</i>	(Optional)
TABLE_area_addr	(Optional)
<i>area-addr-nsap</i>	(Optional)
<i>proc-state-not-config</i>	(Optional)
<i>proc-state-admin-down</i>	(Optional)
<i>proc-state-l3vm-down</i>	(Optional)
<i>proc-state-unknown-down</i>	(Optional)
<i>proc-state-not-specified</i>	(Optional)
<i>proc-state-no-net</i>	(Optional)
<i>proc-state-no-vrf-id</i>	(Optional)
<i>proc-state-out-memory</i>	(Optional)

<i>proc-state-restart</i>	(Optional)
<i>proc-state-running</i>	(Optional)
<i>vrf-id-out</i>	(Optional)
TABLE_te	(Optional)
<i>te-lvl-out</i>	(Optional)
<i>te-lvl-active</i>	(Optional)
<i>te-ted-out</i>	(Optional)
<i>mpls-te-out</i>	(Optional)
TABLE_mpls_te	(Optional)
<i>mpls-te-lvl-out</i>	(Optional)
<i>mpls-te-rtrid-intf-out</i>	(Optional)
<i>mpls-te-fa-lvl-out</i>	(Optional)
TABLE_te_fa	(Optional)
<i>te-fa-sysid-out</i>	(Optional)
<i>te-fa-intf-out</i>	(Optional)
<i>te-stat-sys-id-out</i>	(Optional)
<i>te-stat-rtr-id-out</i>	(Optional)
TABLE_te_stat_lvl	(Optional)
<i>te-stat-lvl-out</i>	(Optional)
<i>te-stat-up-out</i>	(Optional)
<i>te-stat-down-out</i>	(Optional)
<i>srte-registered-out</i>	(Optional)
TABLE_segment_routing	(Optional)
<i>af-out</i>	(Optional)
<i>ptag-out</i>	(Optional)
<i>cfg-out</i>	(Optional)
<i>enable-out</i>	(Optional)
<i>exp-null-cfg</i>	(Optional)
<i>srv6-enabled</i>	(Optional)

TABLE_iib_list_yeild	(Optional)
<i>intf-name-out</i>	(Optional)
TABLE_auth	(Optional)
<i>auth-lvl-out</i>	(Optional)
<i>auth-type-no-type</i>	(Optional)
<i>auth-type-cleartext</i>	(Optional)
<i>auth-type-md5</i>	(Optional)
<i>auth-type-key-chain</i>	(Optional)
<i>auth-type-none</i>	(Optional)
<i>auth-check</i>	(Optional)
<i>auth-no-check</i>	(Optional)
TABLE_spf	(Optional)
<i>spf-lvl-out</i>	(Optional)
<i>spf-timer</i>	(Optional)
TABLE_distribute_ls	(Optional)
<i>distribute-linkst-lvl</i>	(Optional)

Command Mode

- /exec

show isis adjacency

```
show isis [<isis-tag>] [ vrf { <vrf-name> | <vrf-known-name> | all } ] adjacency [ <interface> [ p2p-level-1-2 ] ] [ { system-id <sid> } ] [ [ detail ] | [ summary ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <adj-summary-out> <adj-interface-out> [ <adj-interface-name-out> ] [ { TABLE_process_adj <adj-sys-name-out> <adj-sys-id-out> [ <adj-usage-out> ] [ <adj-level-out> ] <adj-state-out> <adj-hold-time-out> <adj-intf-name-out> <adj-detail-set-out> [ [ { TABLE_area_address <adj-area-addr-out> } ] <adj-transitions-out> <adj-flap-out> [ <adj-flap-time-out> ] <adj-ckt-type-out> <adj-ipv4-addr-out> <adj-ipv6-addr-out> <adj-bcast-out> [ { <adj-ckt-id-out> <adj-lan-prio-out> } ] <adj-bfd-ipv4-establish-out> <adj-bfd-ipv6-establish-out> <adj-resurrect-out> [ { <adj-resurrect-count-out> <adj-resurrect-hwm-out> } ] <adj-restart-capable-out> <adj-restart-ack-out> [ { <adj-restart-mode-out> <adj-restart-adj-seen-ra-out> <adj-restart-adj-seen-csnp-out> <adj-restart-adj-seen-l1-csnp-out> <adj-restart-adj-seen-l2-csnp-out> <adj-restart-suppress-adj-out> } ] [ { TABLE_adj_sid <adj-sid-value> <adj-sid-f-flag> <adj-sid-b-flag> <adj-sid-v-flag> <adj-sid-l-flag> <adj-sid-s-flag> <adj-sid-p-flag> <adj-sid-weight> } ] ] ] [ { TABLE_p2p_adj_sum <adj-summ-p2p-level-out> <adj-summ-p2p-state-out> <adj-summ-p2p-count-out> } ] [ { TABLE_lan_adj_sum <adj-summ-lan-level-out> <adj-summ-lan-state-out> <adj-summ-lan-count-out> } ] ] ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
adjacency	Display IS-IS adjacency information
<i>interface</i>	(Optional) IS-IS interface
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
detail	(Optional) Display IS-IS adjacency detail information
p2p-level-1-2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	(Optional) Display IS-IS adjacency summary information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)

TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>adj-summary-out</i>	(Optional)
<i>adj-interface-out</i>	(Optional)
<i>adj-interface-name-out</i>	(Optional)
TABLE_process_adj	(Optional)
<i>adj-sys-name-out</i>	(Optional)
<i>adj-sys-id-out</i>	(Optional)
<i>adj-usage-out</i>	(Optional)
<i>adj-level-out</i>	(Optional)
<i>adj-state-out</i>	(Optional)
<i>adj-hold-time-out</i>	(Optional)
<i>adj-intf-name-out</i>	(Optional)
<i>adj-detail-set-out</i>	(Optional)
TABLE_area_address	(Optional)
<i>adj-area-addr-out</i>	(Optional)
<i>adj-transitions-out</i>	(Optional)
<i>adj-flap-out</i>	(Optional)
<i>adj-flap-time-out</i>	(Optional)
<i>adj-ckt-type-out</i>	(Optional)
<i>adj-ipv4-addr-out</i>	(Optional)
<i>adj-ipv6-addr-out</i>	(Optional)
<i>adj-bcast-out</i>	(Optional)
<i>adj-ckt-id-out</i>	(Optional)
<i>adj-lan-prio-out</i>	(Optional)
<i>adj-bfd-ipv4-establish-out</i>	(Optional)
<i>adj-bfd-ipv6-establish-out</i>	(Optional)
<i>adj-resurrect-out</i>	(Optional)
<i>adj-resurrect-count-out</i>	(Optional)

<i>adj-resurrect-hwm-out</i>	(Optional)
<i>adj-restart-capable-out</i>	(Optional)
<i>adj-restart-ack-out</i>	(Optional)
<i>adj-restart-mode-out</i>	(Optional)
<i>adj-restart-adj-seen-ra-out</i>	(Optional)
<i>adj-restart-adj-seen-csnp-out</i>	(Optional)
<i>adj-restart-adj-seen-l1-csnp-out</i>	(Optional)
<i>adj-restart-adj-seen-l2-csnp-out</i>	(Optional)
<i>adj-restart-suppress-adj-out</i>	(Optional)
TABLE_adj_sid	(Optional)
<i>adj-sid-value</i>	(Optional)
<i>adj-sid-f-flag</i>	(Optional)
<i>adj-sid-b-flag</i>	(Optional)
<i>adj-sid-v-flag</i>	(Optional)
<i>adj-sid-l-flag</i>	(Optional)
<i>adj-sid-s-flag</i>	(Optional)
<i>adj-sid-p-flag</i>	(Optional)
<i>adj-sid-weight</i>	(Optional)
TABLE_p2p_adj_sum	(Optional)
<i>adj-summ-p2p-level-out</i>	(Optional)
<i>adj-summ-p2p-state-out</i>	(Optional)
<i>adj-summ-p2p-count-out</i>	(Optional)
TABLE_lan_adj_sum	(Optional)
<i>adj-summ-lan-level-out</i>	(Optional)
<i>adj-summ-lan-state-out</i>	(Optional)
<i>adj-summ-lan-count-out</i>	(Optional)

Command Mode

- /exec

show isis csnp

```
show isis [ <isis-tag> ] csnp [ detail ] [ __readonly__ TABLE_process_tag <process-tag-out> [ {
TABLE_CSNPLEVEL <csnp-level> <csnp-cache-valid> <csnp-cache-hit> <cscnp-cache-miss> <csnp-hit-rate>
[ { TABLE_CSNPLSPS <csnp-start-lsp-id> <csnp-end-lsp-id> <csnp-entry-valid> <csnp-pdu-lengh> [ {
TABLE_CSNPONELSP <csnp-lsp-id> <csnp-lsp-seq-num> <csnp-lsp-chk-sum> <csnp-lsp-life-time> } ] }
] } ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
csnp	Display IS-IS CSNP cache contents
detail	(Optional) Display detailed IS-IS information
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_CSNPLEVEL	(Optional)
<i>csnp-level</i>	(Optional)
<i>csnp-cache-valid</i>	(Optional)
<i>csnp-cache-hit</i>	(Optional)
<i>cscnp-cache-miss</i>	(Optional)
<i>csnp-hit-rate</i>	(Optional)
TABLE_CSNPLSPS	(Optional)
<i>csnp-start-lsp-id</i>	(Optional)
<i>csnp-end-lsp-id</i>	(Optional)
<i>csnp-entry-valid</i>	(Optional)
<i>csnp-pdu-lengh</i>	(Optional)
TABLE_CSNPONELSP	(Optional)
<i>csnp-lsp-id</i>	(Optional)
<i>csnp-lsp-seq-num</i>	(Optional)
<i>csnp-lsp-chk-sum</i>	(Optional)

<i>csnp-lsp-life-time</i>	(Optional)
---------------------------	------------

Command Mode

- /exec

show isis database

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ <level> ] [ detail | advertise
| summary ] [ <lid> ] { [ zero-sequence ] | [ ip prefix <ip-prefix> ] | [ ipv6 prefix <ipv6-prefix> ] | [ router-id
<rid> ] | [ adjacency <adj-id> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ {
TABLE_process_tag <process-tag-out> } { TABLE_vrf <vrf-name-out> [ <dbase-hname-absent-out> ] [ {
TABLE_process_lvl <dbase-level-out> [ { TABLE_process_lsp <dbase-lsp-name-out> <dbase-lsp-status-out>
<dbase-lsp-absent-out> [ { <dbase-lsp-seqnum-out> <dbase-lsp-cksum-out> [ <dbase-lsp-lifetime-str-out> ]
[ <dbase-lsp-lifetime-out> ] <dbase-att-out> <dbase-partition-out> <dbase-overload-out> <dbase-istype-out>
} ] [ { <dbase-lsp-instance-out> [ { TABLE_process_tlv <dbase-lsp-tlv-name-out> [ <dbase-lsp-area-addr-out>
] [ <dbase-lsp-is-nbr-name-out> ] [ <dbase-lsp-is-nbr-metric-out> ] [ <dbase-lsp-is-nbr-ext-metric-out> ] [
<dbase-lsp-es-nbr-name-out> ] [ <dbase-lsp-es-nbr-metric-out> ] [ <dbase-lsp-es-nbr-ext-metric-out> ] [
<dbase-lsp-auth-type-out> ] [ <dbase-lsp-auth-len-out> ] [ { TABLE_process_extis [
<dbase-lsp-ext-is-name-out> ] [ <dbase-lsp-ext-is-metric-out> ] } ] [ <dbase-lsp-ip-ri-addr-out> ] [
<dbase-lsp-ip-ri-mask-out> ] [ <dbase-lsp-ip-ri-metric-out> ] [ <dbase-lsp-ip-ri-ext-metric-out> ] [
<dbase-lsp-ip-ri-up-down-out> ] [ <dbase-lsp-cap-rtrid> ] [ <dbase-lsp-cap-flags> ] [ { TABLE_process_nlpid
<dbase-lsp-prot-support-out> } ] [ <dbase-lsp-ip-addr-out> ] [ <dbase-lsp-ipv6-addr-out> ] [ {
TABLE_process_extip <dbase-lsp-extip-addr-out> <dbase-lsp-extip-prefix-len-out>
<dbase-lsp-extip-metric-out> <dbase-lsp-extip-up-down-out> [ <dbase-lsp-extip-pfxsid> ] [
<dbase-lsp-extip-pfxsid-algo> ] [ <dbase-lsp-extip-pfxsid-flags> ] [ <dbase-lsp-extip-unknown-out> ] } ] [
<dbase-lsp-hname-out> ] [ <dbase-lsp-hname-len-out> ] [ { TABLE_process_extipv6
<dbase-lsp-extipv6-addr-out> <dbase-lsp-extipv6-prefix-len-out> <dbase-lsp-extipv6-metric-out>
<dbase-lsp-extipv6-up-down-out> <dbase-lsp-extipv6-ext-origin-out> [ <dbase-lsp-extipv6-pfxsid> ] [
<dbase-lsp-extipv6-pfxsid-algo> ] [ <dbase-lsp-extipv6-pfxsid-flags> ] [ <dbase-lsp-extipv6-unknown-out>
] } ] [ { TABLE_process_subtlv <dbase-lsp-subtlv-name-out> [ <dbase-lsp-extis-admin-group-out> ] [
<dbase-lsp-subtlv-ip-addr-out> ] [ <dbase-lsp-extis-bw-out> ] [ <dbase-lsp-extis-pri1-out> ] [
<dbase-lsp-extis-pri1-val-out> ] [ <dbase-lsp-extis-pri2-out> ] [ <dbase-lsp-extis-pri2-val-out> ] [
<dbase-lsp-extis-te-metric-out> ] [ <dbase-lsp-extis-p2p-adsid-out> ] [ <dbase-lsp-extis-p2p-adsid-flags> ]
[ <dbase-lsp-extis-p2p-adsid-weight> ] [ <dbase-lsp-extis-lan-adsid-out> ] [ <dbase-lsp-extis-lan-adsid-sysid>
] [ <dbase-lsp-extis-lan-adsid-flags> ] [ <dbase-lsp-extis-lan-adsid-weight> ] [
<dbase-lsp-cap-subtlv-sr-start-sid> ] [ <dbase-lsp-cap-subtlv-sr-end-sid> ] [ <dbase-lsp-cap-subtlv-sr-range>
] [ <dbase-lsp-cap-subtlv-sr-flags> ] [ <dbase-lsp-subtlv-len-out> ] [ <dbase-lsp-subtlv-unknown-out> ] } ]
[ <dbase-lsp-tlv-len-out> ] [ <dbase-lsp-tlv-unknown-out> ] } ] <dbase-lsp-digest-out> } } ] [ {
<dbase-lsp-total-out> [ { <dbase-lsp-empty-out> <dbase-lsp-zeroseq-out> } } ] } ] }
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
database	Display IS-IS database information

<i>level</i>	(Optional) IS-IS level
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
detail	(Optional) Display detailed IS-IS information
advertise	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	(Optional) Display summary IS-IS information
zero-sequence	(Optional) LSP with zero sequence number
ip	(Optional) IP attribute filter
ipv6	(Optional) IPv6 attribute filter
prefix	(Optional) Prefix filter
<i>ip-prefix</i>	(Optional) Single exact match IP prefix filter
adjacency	(Optional) Adjacency filter
<i>adj-id</i>	(Optional) Single exact match adjacency filter
router-id	(Optional) Router-id filter
<i>rid</i>	(Optional) single exact match router-id filter
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>dbase-hname-absent-out</i>	(Optional)
TABLE_process_lvl	(Optional)
<i>dbase-level-out</i>	(Optional)
TABLE_process_lsp	(Optional)
<i>dbase-lsp-name-out</i>	(Optional)
<i>dbase-lsp-status-out</i>	(Optional)
<i>dbase-lsp-absent-out</i>	(Optional)
<i>dbase-lsp-seqnum-out</i>	(Optional)
<i>dbase-lsp-cksum-out</i>	(Optional)
<i>dbase-lsp-lifetime-str-out</i>	(Optional)

<i>dbase-lsp-lifetime-out</i>	(Optional)
<i>dbase-att-out</i>	(Optional)
<i>dbase-partition-out</i>	(Optional)
<i>dbase-overload-out</i>	(Optional)
<i>dbase-istype-out</i>	(Optional)
<i>dbase-lsp-instance-out</i>	(Optional)
TABLE_process_tlv	(Optional)
<i>dbase-lsp-tlv-name-out</i>	(Optional)
<i>dbase-lsp-area-addr-out</i>	(Optional)
<i>dbase-lsp-is-nbr-name-out</i>	(Optional)
<i>dbase-lsp-is-nbr-metric-out</i>	(Optional)
<i>dbase-lsp-is-nbr-ext-metric-out</i>	(Optional)
<i>dbase-lsp-es-nbr-name-out</i>	(Optional)
<i>dbase-lsp-es-nbr-metric-out</i>	(Optional)
<i>dbase-lsp-es-nbr-ext-metric-out</i>	(Optional)
<i>dbase-lsp-auth-type-out</i>	(Optional)
<i>dbase-lsp-auth-len-out</i>	(Optional)
TABLE_process_extis	(Optional)
<i>dbase-lsp-ext-is-name-out</i>	(Optional)
<i>dbase-lsp-ext-is-metric-out</i>	(Optional)
<i>dbase-lsp-ip-ri-addr-out</i>	(Optional)
<i>dbase-lsp-ip-ri-mask-out</i>	(Optional)
<i>dbase-lsp-ip-ri-metric-out</i>	(Optional)
<i>dbase-lsp-ip-ri-ext-metric-out</i>	(Optional)
<i>dbase-lsp-ip-ri-up-down-out</i>	(Optional)
TABLE_process_nlpid	(Optional)
<i>dbase-lsp-prot-support-out</i>	(Optional)
<i>dbase-lsp-ip-addr-out</i>	(Optional)
<i>dbase-lsp-ipv6-addr-out</i>	(Optional)

TABLE_process_extip	(Optional)
<i>dbase-lsp-extip-addr-out</i>	(Optional)
<i>dbase-lsp-extip-prefix-len-out</i>	(Optional)
<i>dbase-lsp-extip-metric-out</i>	(Optional)
<i>dbase-lsp-extip-up-down-out</i>	(Optional)
<i>dbase-lsp-extip-pfxsid</i>	(Optional)
<i>dbase-lsp-extip-pfxsid-algo</i>	(Optional)
<i>dbase-lsp-extip-pfxsid-flags</i>	(Optional)
<i>dbase-lsp-extip-unknown-out</i>	(Optional)
<i>dbase-lsp-hname-out</i>	(Optional)
<i>dbase-lsp-hname-len-out</i>	(Optional)
TABLE_process_extipv6	(Optional)
<i>dbase-lsp-extipv6-addr-out</i>	(Optional)
<i>dbase-lsp-extipv6-prefix-len-out</i>	(Optional)
<i>dbase-lsp-extipv6-metric-out</i>	(Optional)
<i>dbase-lsp-extipv6-up-down-out</i>	(Optional)
<i>dbase-lsp-extipv6-ext-origin-out</i>	(Optional)
<i>dbase-lsp-extipv6-pfxsid</i>	(Optional)
<i>dbase-lsp-extipv6-pfxsid-algo</i>	(Optional)
<i>dbase-lsp-extipv6-pfxsid-flags</i>	(Optional)
<i>dbase-lsp-extipv6-unknown-out</i>	(Optional)
<i>dbase-lsp-tlv-len-out</i>	(Optional)
<i>dbase-lsp-tlv-unknown-out</i>	(Optional)
TABLE_process_subtlv	(Optional)
<i>dbase-lsp-subtlv-name-out</i>	(Optional)
<i>dbase-lsp-extis-admin-group-out</i>	(Optional)
<i>dbase-lsp-subtlv-ip-addr-out</i>	(Optional)
<i>dbase-lsp-extis-bw-out</i>	(Optional)
<i>dbase-lsp-extis-pri1-out</i>	(Optional)

<i>dbase-lsp-extis-pri1-val-out</i>	(Optional)
<i>dbase-lsp-extis-pri2-out</i>	(Optional)
<i>dbase-lsp-extis-pri2-val-out</i>	(Optional)
<i>dbase-lsp-extis-te-metric-out</i>	(Optional)
<i>dbase-lsp-extis-p2p-adjsid-out</i>	(Optional)
<i>dbase-lsp-extis-p2p-adjsid-flags</i>	(Optional)
<i>dbase-lsp-extis-p2p-adjsid-weight</i>	(Optional)
<i>dbase-lsp-extis-lan-adjsid-out</i>	(Optional)
<i>dbase-lsp-extis-lan-adjsid-sysid</i>	(Optional)
<i>dbase-lsp-extis-lan-adjsid-flags</i>	(Optional)
<i>dbase-lsp-extis-lan-adjsid-weight</i>	(Optional)
<i>dbase-lsp-subtlv-len-out</i>	(Optional)
<i>dbase-lsp-subtlv-unknown-out</i>	(Optional)
<i>dbase-lsp-digest-out</i>	(Optional)
<i>dbase-lsp-total-out</i>	(Optional)
<i>dbase-lsp-empty-out</i>	(Optional)
<i>dbase-lsp-zeroseq-out</i>	(Optional)
<i>dbase-lsp-cap-rtrid</i>	(Optional)
<i>dbase-lsp-cap-flags</i>	(Optional)
<i>dbase-lsp-cap-subtlv-sr-start-sid</i>	(Optional)
<i>dbase-lsp-cap-subtlv-sr-end-sid</i>	(Optional)
<i>dbase-lsp-cap-subtlv-sr-range</i>	(Optional)
<i>dbase-lsp-cap-subtlv-sr-flags</i>	(Optional)

Command Mode

- /exec

show isis distribute-ls

```
show isis [ <isis-tag> ] distribute-ls { [ system-id <sid> ] [ lsp-id <lid> ] } [ brief ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ { TABLE_process_tag <process-tag-out> <vrf-name-out>
<vrf-id-out> <lslib-connection-out> <client-type-out> <protocol-instance-out> <nxos-instance-out>
<ha-recovery-out> [ <queue-all-out> ] <update-timer-sec-out> <update-timer-msec-out>
<update-timer-running-out> [ <update-timer-due-in> ] [ { TABLE_process_lvl <level-out>
<level-distributing-out> [ { TABLE_ls_node [ <node-id-out> ] [ <node-name-out> ] [ { TABLE_ls_lsp
<lsp-id-out> <lsp-name-out> <lsp-purged-out> [ <node-grpid-out> ] [ <prefix-grpid-out> ] [ <link-grpid-out>
] [ <node-attr-bitfield-out> ] [ <node-flags-out> ] [ <attached-bit-out> ] [ <overloaded-bit-out> ] [ <area-id-out>
] [ <area-length-out> ] [ <name-out> ] [ <ipv4-id-out> ] [ { TABLE_srgb <number-out> <start-out> <size-out>
} ] [ <sr-algo-count-out> ] [ { TABLE_sr_algo <algo-out> } ] [ { TABLE_ls_link <nbr-node-out>
<local-ip-out> <remote-ip-out> [ <link-attr-bitfield-out> ] [ <metric-out> ] [ <local-ip-attr-out> ] [
<remote-ip-attr-out> ] [ <admin-group-out> ] [ <max-link-bw-out> ] [ <max-resv-bw-out> ] [ {
TABLE_unresv_bw <number-out> <bw-out> } ] [ <metric-te-out> ] [ { TABLE_adj_sid <asid-out> <flag-out>
<weight-out> } ] } ] [ { TABLE_ls_prefix <prefix-out> <prefix-len-out> [ <prefix-attr-bitfield-out> ] [
<metric-out> ] [ { TABLE_sid <sid-out> <algo-out> <flags-out> } ] } ] } ] }
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
distribute-ls	Link-state distribution database
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
lsp-id	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
brief	(Optional) Short output
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
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>vrf-name-out</i>	(Optional)

<i>vrf-id-out</i>	(Optional)
<i>lslib-connection-out</i>	(Optional)
<i>client-type-out</i>	(Optional)
<i>protocol-instance-out</i>	(Optional)
<i>nxos-instance-out</i>	(Optional)
<i>ha-recovery-out</i>	(Optional)
<i>queue-all-out</i>	(Optional)
<i>update-timer-sec-out</i>	(Optional)
<i>update-timer-msec-out</i>	(Optional)
<i>update-timer-running-out</i>	(Optional)
<i>update-timer-due-in</i>	(Optional)
TABLE_process_lvl	(Optional)
<i>level-out</i>	(Optional)
<i>level-distributing-out</i>	(Optional)
TABLE_ls_node	(Optional)
<i>node-id-out</i>	(Optional)
<i>node-name-out</i>	(Optional)
TABLE_ls_lsp	(Optional)
<i>lsp-id-out</i>	(Optional)
<i>lsp-name-out</i>	(Optional)
<i>lsp-purged-out</i>	(Optional)
<i>node-grpid-out</i>	(Optional)
<i>prefix-grpid-out</i>	(Optional)
<i>link-grpid-out</i>	(Optional)
<i>node-attr-bitfield-out</i>	(Optional)
<i>node-flags-out</i>	(Optional)
<i>attached-bit-out</i>	(Optional)
<i>overloaded-bit-out</i>	(Optional)
<i>area-id-out</i>	(Optional)

<i>area-length-out</i>	(Optional)
<i>name-out</i>	(Optional)
<i>ipv4-id-out</i>	(Optional)
TABLE_srgb	(Optional)
<i>number-out</i>	(Optional)
<i>start-out</i>	(Optional)
<i>size-out</i>	(Optional)
<i>sr-algo-count-out</i>	(Optional)
TABLE_sr_algo	(Optional)
<i>algo-out</i>	(Optional)
TABLE_ls_link	(Optional)
<i>nbr-node-out</i>	(Optional)
<i>local-ip-out</i>	(Optional)
<i>remote-ip-out</i>	(Optional)
<i>link-attr-bitfield-out</i>	(Optional)
<i>metric-out</i>	(Optional)
<i>local-ip-attr-out</i>	(Optional)
<i>remote-ip-attr-out</i>	(Optional)
<i>admin-group-out</i>	(Optional)
<i>max-link-bw-out</i>	(Optional)
<i>max-resv-bw-out</i>	(Optional)
TABLE_unresv_bw	(Optional)
<i>number-out</i>	(Optional)
<i>bw-out</i>	(Optional)
<i>metric-te-out</i>	(Optional)
TABLE_adj_sid	(Optional)
<i>asid-out</i>	(Optional)
<i>flag-out</i>	(Optional)
<i>weight-out</i>	(Optional)

TABLE_ls_prefix	(Optional)
<i>prefix-out</i>	(Optional)
<i>prefix-len-out</i>	(Optional)
<i>prefix-attr-bitfield-out</i>	(Optional)
<i>metric-out</i>	(Optional)
TABLE_sid	(Optional)
<i>sid-out</i>	(Optional)
<i>algo-out</i>	(Optional)
<i>flags-out</i>	(Optional)

Command Mode

- /exec

<i>df-primary-leader-algo-name</i>	(Optional)
<i>df-primary-leader-algo-out</i>	(Optional)
<i>df-primary-leader-priority-out</i>	(Optional)
<i>df-primary-leader-sysid-out</i>	(Optional)
<i>df-secondary-leader-level-out</i>	(Optional)
<i>df-secondary-leader-algo-name-out</i>	(Optional)
<i>df-secondary-leader-algo-out</i>	(Optional)
<i>df-secondary-leader-priority-out</i>	(Optional)
<i>df-secondary-leader-sysid-out</i>	(Optional)
<i>df-reach-matrix-level-out</i>	(Optional)
TABLE_source_info	(Optional)
<i>df-reach-source-id-info</i>	(Optional)
TABLE_neighbor_info	(Optional)
<i>df-reach-neighbor-id-out</i>	(Optional)
<i>df-neighbor-overall-out</i>	(Optional)
<i>df-neighbor-tree1-out</i>	(Optional)
<i>df-neighbor-tree2-out</i>	(Optional)
<i>df-neighbor-interface-id-out</i>	(Optional)
<i>df-neighbor-name-out</i>	(Optional)
TABLE_FT_interface_info	(Optional)
<i>df-ft-interface-name-out</i>	(Optional)
TABLE_Temp_interface_info	(Optional)
<i>df-temp-ft-interface-name-out</i>	(Optional)
TABLE_broadcast_interfaceinfo	(Optional)
<i>df-interface-name-out</i>	(Optional)

Command Mode

- /exec

show isis interface

```
show isis [<isis-tag>] [vrf {<vrf-name> | <vrf-known-name> | all}] interface [brief | <interface>] [level-1
| level-2] [vrf {<vrf-name> | <vrf-known-name> | all}] [__readonly__ {TABLE_process_tag
<process-tag-out> {TABLE_vrf <vrf-name-out> [ {TABLE_interface [ {<intfb-name-out> <intfb-type-out>
<intfb-ix-out> <intfb-state-out> <intfb-ready-state-out> <intfb-cid-out> <intfb-ckt-type-out> <intfb-mtu-out>
[ {<intf-p2p-metric-lvl-1-out> <intf-p2p-metric-lvl-2-out> <intf-p2p-prio-lvl-1-out> <intf-p2p-prio-lvl-2-out>
<intf-p2p-adj-count-lvl-1-out> <intf-p2p-adj-up-count-lvl-1-out> <intf-p2p-adj-count-lvl-2-out>
<intf-p2p-adj-up-count-lvl-2-out> } ] [ {<intf-loopback-metric-lvl-1-out> <intf-loopback-metric-lvl-2-out>
<intf-loopback-prio-lvl-1-out> <intf-loopback-prio-lvl-2-out> <intf-loopback-adj-count-lvl-1-out>
<intf-loopback-adj-up-count-lvl-1-out> <intf-loopback-adj-count-lvl-2-out>
<intf-loopback-adj-up-count-lvl-2-out> } ] [ {<intf-bcast-metric-lvl-1-out> <intf-bcast-metric-lvl-2-out>
<intf-bcast-prio-lvl-1-out> <intf-bcast-prio-lvl-2-out> <intf-bcast-adj-count-lvl-1-out>
<intf-bcast-adj-up-count-lvl-1-out> <intf-bcast-adj-count-lvl-2-out> <intf-bcast-adj-up-count-lvl-2-out> } ]
} ] [ {<intf-name-out> <intf-status-out> } ] [ {<intf-state-out> <intf-internal-state-out> [
<intf-cib-disabled-out> ] [ <intf-cid-invalid-out> } ] ] [ <intf-admin-group-out> <intf-admin-group-stale-out>
] [ {TABLE_auth [ {<intf-auth-info-out> [ <intf-auth-kchain-out> ] <intf-auth-chk-info-out> } ] } ] [ {
<intf-ix-out> <intf-cid-out> <intf-ckt-type-out> } ] [ {<prefix-suppression-state-out> <suppressed-ix-out>
} ] [ {TABLE_advertise_passive_lvl [ {<advertise-passive-level-out> <advertise-passive-ipv4-state-out>
<advertise-passive-ipv6-state-out> } ] } ] [ {TABLE_bfd [ <intf-bfd-ipv4-state-out> ] [
<intf-bfd-ipv6-state-out> } ] ] [ <intf-passive-mask-out> ] [ <intf-passive-mask-lvl-out> ] [ <intf-mgrp-set-out>
] [ <intf-mgrp-state-out> ] [ <intf-mgrp-id-out> ] [ <intf-p2p-type-out> ] [ { <intf-p2p-ext-local-cid-out>
<intf-p2p-cid-out> <intf-retx-intv-out> <intf-retx-throttle-out> } ] [ <intf-loopback-type-out> ] [ {
<intf-lsp-intv-out> <intf-mtu-out> [ <intf-hpad-state-out> } ] ] [ { <intf-p2p-pad-ts-out> } ] [
<intf-p2p-adj-count-out> <intf-p2p-adj-up-count-out> <intf-p2p-prio-out> <intf-p2p-hello-intv-out>
<intf-p2p-hello-multi-out> <intf-p2p-hello-next-out> [ {TABLE_p2p <intf-p2p-lvl-out> <intf-p2p-adj-lvl-out>
<intf-p2p-adj-up-lvl-out> <intf-p2p-metric-lvl-out> <intf-p2p-csnp-lvl-out> <intf-p2p-csnp-nxt-lvl-out>
<intf-p2p-lspid-last-lvl-out> } ] } ] [ {<intf-bcast-type-out> [ {TABLE_bcast_pad [ {<intf-bcast-lvl-out>
<intf-bcast-pad-ts-out> } ] } ] [ {TABLE_bcast_dis [ {<intf-bcast-lvl-dis-out> <intf-bcast-dis-ts-out> } ] } ]
] [ {TABLE_bcast_pkt <intf-bcast-lvl-info-out> <intf-bcast-lvl-metric-0-out> <intf-bcast-lvl-metric-2-out>
<intf-bcast-lvl-csnp-intv-out> <intf-bcast-lvl-csnp-next-out> <intf-bcast-lvl-iih-intv-out>
<intf-bcast-lvl-iih-multi-out> <intf-bcast-lvl-iih-next-out> } ] [ {TABLE_bcast_adj <intf-bcast-lvl-value-out>
<intf-bcast-lvl-adj-out> <intf-bcast-lvl-adj-up-out> <intf-bcast-lvl-prio-out> <intf-bcast-lvl-ctid-out>
<intf-bcast-lvl-ctid-ts-out> } ] } ] [ {TABLE_loopback <intf-loopback-lvl-out> <intf-loopback-lvl-metric-out>
} ] [ <intf-unknown-out> } ] } ] }
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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

brief	(Optional) Brief display of IS-IS interfaces
interface	Display IS-IS interface information
level-1	(Optional) Display Level-1 interfaces
level-2	(Optional) Display level-2 interfaces
<i>interface</i>	(Optional) IS-IS interface
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_interface	(Optional)
<i>intf-status-out</i>	(Optional)
<i>intf-name-out</i>	(Optional)
<i>intf-ix-out</i>	(Optional)
<i>intf-state-out</i>	(Optional)
<i>intf-cid-out</i>	(Optional)
<i>intf-ckt-type-out</i>	(Optional)
<i>intfb-name-out</i>	(Optional)
<i>intfb-type-out</i>	(Optional)
<i>intfb-ix-out</i>	(Optional)
<i>intfb-state-out</i>	(Optional)
<i>intfb-ready-state-out</i>	(Optional)
<i>intfb-cid-out</i>	(Optional)
<i>intfb-ckt-type-out</i>	(Optional)
<i>intf-p2p-metric-lvl-1-out</i>	(Optional)
<i>intf-p2p-metric-lvl-2-out</i>	(Optional)
<i>intf-p2p-prio-lvl-1-out</i>	(Optional)
<i>intf-p2p-prio-lvl-2-out</i>	(Optional)
<i>intf-p2p-adj-count-lvl-1-out</i>	(Optional)

<i>intf-p2p-adj-count-lvl-2-out</i>	(Optional)
<i>intf-p2p-adj-up-count-lvl-1-out</i>	(Optional)
<i>intf-p2p-adj-up-count-lvl-2-out</i>	(Optional)
<i>intf-loopback-metric-lvl-1-out</i>	(Optional)
<i>intf-loopback-metric-lvl-2-out</i>	(Optional)
<i>intf-loopback-prio-lvl-1-out</i>	(Optional)
<i>intf-loopback-prio-lvl-2-out</i>	(Optional)
<i>intf-loopback-adj-count-lvl-1-out</i>	(Optional)
<i>intf-loopback-adj-count-lvl-2-out</i>	(Optional)
<i>intf-loopback-adj-up-count-lvl-1-out</i>	(Optional)
<i>intf-loopback-adj-up-count-lvl-2-out</i>	(Optional)
<i>intf-bcast-metric-lvl-1-out</i>	(Optional)
<i>intf-bcast-metric-lvl-2-out</i>	(Optional)
<i>intf-bcast-prio-lvl-1-out</i>	(Optional)
<i>intf-bcast-prio-lvl-2-out</i>	(Optional)
<i>intf-bcast-adj-count-lvl-1-out</i>	(Optional)
<i>intf-bcast-adj-count-lvl-2-out</i>	(Optional)
<i>intf-bcast-adj-up-count-lvl-1-out</i>	(Optional)
<i>intf-bcast-adj-up-count-lvl-2-out</i>	(Optional)
<i>intf-internal-state-out</i>	(Optional)
<i>intf-cib-disabled-out</i>	(Optional)
<i>intf-cid-invalid-out</i>	(Optional)
<i>intf-admin-group-out</i>	(Optional)
<i>intf-admin-group-stale-out</i>	(Optional)
TABLE_auth	(Optional)
<i>intf-auth-info-out</i>	(Optional)
<i>intf-auth-kchain-out</i>	(Optional)
<i>intf-auth-chk-info-out</i>	(Optional)
<i>prefix-suppression-state-out</i>	(Optional)

<i>suppressed-ix-out</i>	(Optional)
TABLE_advertise_passive_lvl	(Optional)
<i>advertise-passive-level-out</i>	(Optional)
<i>advertise-passive-ipv4-state-out</i>	(Optional)
<i>advertise-passive-ipv6-state-out</i>	(Optional)
TABLE_bfd	(Optional)
<i>intf-bfd-ipv4-state-out</i>	(Optional)
<i>intf-bfd-ipv6-state-out</i>	(Optional)
<i>intf-passive-mask-out</i>	(Optional)
<i>intf-passive-mask-lvl-out</i>	(Optional)
<i>intf-mgrp-set-out</i>	(Optional)
<i>intf-mgrp-state-out</i>	(Optional)
<i>intf-mgrp-id-out</i>	(Optional)
<i>intf-p2p-type-out</i>	(Optional)
<i>intf-p2p-ext-local-cid-out</i>	(Optional)
<i>intf-p2p-cid-out</i>	(Optional)
<i>intf-retx-intv-out</i>	(Optional)
<i>intf-retx-throttle-out</i>	(Optional)
<i>intf-loopback-type-out</i>	(Optional)
<i>intf-lsp-intv-out</i>	(Optional)
<i>intf-mtu-out</i>	(Optional)
<i>intfb-mtu-out</i>	(Optional)
<i>intf-hpad-state-out</i>	(Optional)
<i>intf-p2p-pad-ts-out</i>	(Optional)
<i>intf-p2p-adj-count-out</i>	(Optional)
<i>intf-p2p-adj-up-count-out</i>	(Optional)
<i>intf-p2p-prio-out</i>	(Optional)
<i>intf-p2p-hello-intv-out</i>	(Optional)
<i>intf-p2p-hello-multi-out</i>	(Optional)

<i>intf-p2p-hello-next-out</i>	(Optional)
TABLE_p2p	(Optional)
<i>intf-p2p-lvl-out</i>	(Optional)
<i>intf-p2p-adj-lvl-out</i>	(Optional)
<i>intf-p2p-adj-up-lvl-out</i>	(Optional)
<i>intf-p2p-metric-lvl-out</i>	(Optional)
<i>intf-p2p-csnp-lvl-out</i>	(Optional)
<i>intf-p2p-csnp-nxt-lvl-out</i>	(Optional)
<i>intf-p2p-lspid-last-lvl-out</i>	(Optional)
<i>intf-bcast-type-out</i>	(Optional)
TABLE_bcast_pad	(Optional)
<i>intf-bcast-lvl-out</i>	(Optional)
<i>intf-bcast-pad-ts-out</i>	(Optional)
TABLE_bcast_dis	(Optional)
<i>intf-bcast-lvl-dis-out</i>	(Optional)
<i>intf-bcast-dis-ts-out</i>	(Optional)
TABLE_bcast_pkt	(Optional)
<i>intf-bcast-lvl-info-out</i>	(Optional)
<i>intf-bcast-lvl-metric-0-out</i>	(Optional)
<i>intf-bcast-lvl-metric-2-out</i>	(Optional)
<i>intf-bcast-lvl-csnp-intv-out</i>	(Optional)
<i>intf-bcast-lvl-csnp-next-out</i>	(Optional)
<i>intf-bcast-lvl-iih-intv-out</i>	(Optional)
<i>intf-bcast-lvl-iih-multi-out</i>	(Optional)
<i>intf-bcast-lvl-iih-next-out</i>	(Optional)
TABLE_bcast_adj	(Optional)
<i>intf-bcast-lvl-value-out</i>	(Optional)
<i>intf-bcast-lvl-adj-out</i>	(Optional)
<i>intf-bcast-lvl-adj-up-out</i>	(Optional)

<i>intf-bcast-lvl-prio-out</i>	(Optional)
<i>intf-bcast-lvl-ctid-out</i>	(Optional)
<i>intf-bcast-lvl-ctid-ts-out</i>	(Optional)
TABLE_loopback	(Optional)
<i>intf-loopback-lvl-out</i>	(Optional)
<i>intf-loopback-lvl-metric-out</i>	(Optional)
<i>intf-unknown-out</i>	(Optional)

Command Mode

- /exec

show isis ipv6 redistribute route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 redistribute route [ topology { [
base ] | mt-ipv6 } ] [ summary | <ipv6-addr> | <ipv6-prefix> [ longer-prefixes [ summary ] ] ] [ direct-mask
] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_process_tag <process-tag-out>
<redist-route-ipv6-vrf> [ <redist-route-ipv6-topo-id> ] [ <redist-route-ipv6-af-ix> ] [ { TABLE_one_route
<redist-route-ipv6-prefix> [ <redist-route-ipv6-mask-len> ] [ <redist-route-ipv6-stale> ] [
<redist-route-ipv6-pib-name> ] [ <redist-route-ipv6-direct-mask> ] [ <redist-route-ipv6-route-type> ] [ {
TABLE_redist <redist-route-ipv6-status> <redist-route-ipv6-level> [ <redist-route-ipv6-metric> ] [
<redist-route-ipv6-sum-addr-prefix> ] [ <redist-route-ipv6-sum-addr-mask-len> ] } ] [
<redist-route-ipv6-summary-addr-prefix> ] [ <redist-route-ipv6-summary-addr-mask-len> ] [
<redist-route-ipv6-summary-route-total> ] [ { TABLE_protocol <redist-route-ipv6-summary-pib-name> [
<redist-route-ipv6-summary-prot-route-total> ] } ] [ <redist-route-ipv6-summary-pending-total> ] [ {
TABLE_mask_len <redist-route-ipv6-summary-mask-len-ix> [ <redist-route-ipv6-summary-mask-len> ] }
] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
ipv6	Display IS-IS IPv6 information
topology	(Optional) Display routes for a topology
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
direct-mask	(Optional) Display routes with direct-mask set
__readonly__	(Optional)
TABLE_process_tag	(Optional)

<i>process-tag-out</i>	(Optional)
<i>redist-route-ipv6-vrf</i>	(Optional)
<i>redist-route-ipv6-topo-id</i>	(Optional)
<i>redist-route-ipv6-af-ix</i>	(Optional)
TABLE_one_route	(Optional)
<i>redist-route-ipv6-prefix</i>	(Optional)
<i>redist-route-ipv6-mask-len</i>	(Optional)
<i>redist-route-ipv6-stale</i>	(Optional)
<i>redist-route-ipv6-pib-name</i>	(Optional)
<i>redist-route-ipv6-direct-mask</i>	(Optional)
<i>redist-route-ipv6-route-type</i>	(Optional)
TABLE_redist	(Optional)
<i>redist-route-ipv6-status</i>	(Optional)
<i>redist-route-ipv6-level</i>	(Optional)
<i>redist-route-ipv6-metric</i>	(Optional)
<i>redist-route-ipv6-sum-addr-prefix</i>	(Optional)
<i>redist-route-ipv6-sum-addr-mask-len</i>	(Optional)
<i>redist-route-ipv6-summary-addr-prefix</i>	(Optional)
<i>redist-route-ipv6-summary-addr-mask-len</i>	(Optional)
<i>redist-route-ipv6-summary-route-total</i>	(Optional)
TABLE_protocol	(Optional)
<i>redist-route-ipv6-summary-pib-name</i>	(Optional)
<i>redist-route-ipv6-summary-prot-route-total</i>	(Optional)
<i>redist-route-ipv6-summary-pending-total</i>	(Optional)
TABLE_mask_len	(Optional)
<i>redist-route-ipv6-summary-mask-len-ix</i>	(Optional)
<i>redist-route-ipv6-summary-mask-len</i>	(Optional)

Command Mode

- /exec

show isis ipv6 route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 route [ topology { [ base ] |
mt-ipv6 } ] [ summary | detail | private | <ipv6-addr> [ detail | private ] | <ipv6-prefix> [ detail | private |
longer-prefixes [ summary | detail | private ] ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
{ TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> [ <topo-id-out> ] <afi-safi-out> [
TABLE_prefix [ <route-prefix-out> <route-mask-len-out> <route-level-out> ] [ <route-summ-discard-addr-out>
<route-summ-discard-mask-len-out> ] [ <route-discard-addr-out> <route-discard-mask-len-out> ] [
<route-addr-print-out> <route-mask-len-print-out> <route-direct-print-out> ] [ TABLE_direct_path [
<route-direct-out> <route-direct-via-out> <route-direct-if-name-out> <route-direct-metric-out>
<route-direct-level-out> ] [ <route-direct-instance-out> ] ] [ TABLE_best_path [ <route-no-def-prefix-out>
] [ <route-def-prefix-out> ] <route-addr-valid-out> <route-marker-out> <route-ifname-out> <route-metric-out>
<route-pref-out> [ <route-instance-out> ] ] [ <route-discard-mask-out> ] [ [ <route-sum-prefix-out>
<route-sum-prefix-len-out> ] <route-total-out> <route-paths-total-out> <route-paths-best-out>
<route-paths-backup-out> [ TABLE_sum_best_route <route-sum-lvl-out> <route-sum-total-out> [
<route-sum-direct-out> ] [ <route-sum-normal-out> ] [ <route-sum-missing-out> ] ] [
<route-best-pend-num-out> ] <route-bestpaths-out> [ TABLE_sum_best_path <route-path-sum-lvl-out>
<route-path-sum-total-out> [ <route-path-sum-direct-out> ] [ <route-path-sum-normal-out> ] ]
<route-backuppaths-out> [ TABLE_sum_backup_path <backup-path-sum-lvl-out> <backup-path-sum-total-out>
[ <backup-path-sum-direct-out> ] [ <backup-path-sum-normal-out> ] ] <route-bestroutes-per-mask-out> [
TABLE_best_mask <route-best-mask-val-out> <route-best-mask-count-out> ] [ <route-pend-q-count-out> ]
] ] ] ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
ipv6	Display IS-IS IPv6 information
route	Display IS-IS route information
topology	(Optional) Display routes for a topology
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts

detail	(Optional) Display detail route information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<u>__readonly__</u>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>topo-id-out</i>	(Optional)
<i>afi-safi-out</i>	(Optional)
TABLE_prefix	(Optional)
<i>route-prefix-out</i>	(Optional)
<i>route-mask-len-out</i>	(Optional)
<i>route-level-out</i>	(Optional)
<i>route-summ-discard-addr-out</i>	(Optional)
<i>route-summ-discard-mask-len-out</i>	(Optional)
<i>route-discard-addr-out</i>	(Optional)
<i>route-discard-mask-len-out</i>	(Optional)
<i>route-addr-print-out</i>	(Optional)
<i>route-mask-len-print-out</i>	(Optional)
<i>route-direct-print-out</i>	(Optional)
TABLE_direct_path	(Optional)
<i>route-direct-out</i>	(Optional)
<i>route-direct-via-out</i>	(Optional)
<i>route-direct-if-name-out</i>	(Optional)
<i>route-direct-metric-out</i>	(Optional)
<i>route-direct-level-out</i>	(Optional)
<i>route-direct-instance-out</i>	(Optional)
TABLE_best_path	(Optional)
<i>route-no-def-prefix-out</i>	(Optional)

<i>route-def-prefix-out</i>	(Optional)
<i>route-addr-valid-out</i>	(Optional)
<i>route-marker-out</i>	(Optional)
<i>route-ifname-out</i>	(Optional)
<i>route-metric-out</i>	(Optional)
<i>route-pref-out</i>	(Optional)
<i>route-instance-out</i>	(Optional)
<i>route-discard-mask-out</i>	(Optional)
<i>route-sum-prefix-out</i>	(Optional)
<i>route-sum-prefix-len-out</i>	(Optional)
<i>route-total-out</i>	(Optional)
<i>route-paths-total-out</i>	(Optional)
<i>route-paths-best-out</i>	(Optional)
<i>route-paths-backup-out</i>	(Optional)
TABLE_sum_best_route	(Optional)
<i>route-sum-lvl-out</i>	(Optional)
<i>route-sum-total-out</i>	(Optional)
<i>route-sum-direct-out</i>	(Optional)
<i>route-sum-normal-out</i>	(Optional)
<i>route-sum-missing-out</i>	(Optional)
<i>route-best-pend-num-out</i>	(Optional)
<i>route-bestpaths-out</i>	(Optional)
TABLE_sum_best_path	(Optional)
<i>route-path-sum-lvl-out</i>	(Optional)
<i>route-path-sum-total-out</i>	(Optional)
<i>route-path-sum-direct-out</i>	(Optional)
<i>route-path-sum-normal-out</i>	(Optional)
<i>route-backuppaths-out</i>	(Optional)
TABLE_sum_backup_path	(Optional)

<i>backup-path-sum-lvl-out</i>	(Optional)
<i>backup-path-sum-total-out</i>	(Optional)
<i>backup-path-sum-direct-out</i>	(Optional)
<i>backup-path-sum-normal-out</i>	(Optional)
<i>route-bestroutes-per-mask-out</i>	(Optional)
TABLE_best_mask	(Optional)
<i>route-best-mask-val-out</i>	(Optional)
<i>route-best-mask-count-out</i>	(Optional)
<i>route-pend-q-count-out</i>	(Optional)

Command Mode

- /exec

show isis ipv6 summary-address

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 summary-address [ <ipv6-addr>
| <ipv6-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<vrf-name-out> <tag-out> <afi-safi-out> [ <addr-absent-out> ] [ { TABLE_addr <sum-prefix-out>
<mask-len-out> <level-out> [ { TABLE_lvl <addr-lvl-out> <addr-num-out> [ <addr-metric-absent-out> ] [
<addr-metric-out> ] [ <addr-route-count-out> } } } ] ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
ipv6	Display IS-IS IPv6 information
summary-address	Display IS-IS summary address
longer-prefixes	(Optional) Display exact match and more specific summary address
<code>__readonly__</code>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>tag-out</i>	(Optional)
<i>afi-safi-out</i>	(Optional)
<i>addr-absent-out</i>	(Optional)
TABLE_addr	(Optional)
<i>sum-prefix-out</i>	(Optional)
<i>mask-len-out</i>	(Optional)
<i>level-out</i>	(Optional)
TABLE_lvl	(Optional)
<i>addr-lvl-out</i>	(Optional)
<i>addr-num-out</i>	(Optional)

<i>addr-metric-absent-out</i>	(Optional)
<i>addr-metric-out</i>	(Optional)
<i>addr-route-count-out</i>	(Optional)

Command Mode

- /exec

show isis lslib

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] lslib [ cache [ nodes | links | prefixes
| node <s0> | link <s1> | prefix <s2> | links-of-node <s3> | prefixes-of-node <s4> ] [ detail ] ] [ vrf { <vrf-name>
| <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
lslib	LSLIB client information
cache	(Optional) Link-state cache in LSLIB
nodes	(Optional) All Node objects
links	(Optional) All Link objects
prefixes	(Optional) All Prefix objects
node	(Optional) One node object information
<i>s0</i>	(Optional) Node information
link	(Optional) One link object information
<i>s1</i>	(Optional) Link information
prefix	(Optional) One prefix object information
<i>s2</i>	(Optional) Prefix information
links-of-node	(Optional) All links information of a node
<i>s3</i>	(Optional) Node information
prefixes-of-node	(Optional) All prefixes information of a node
<i>s4</i>	(Optional) Node information
detail	(Optional) Detailed info
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

Command Mode

- /exec

show isis mesh-group

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] mesh-group [ <mesh-id> ] [ vrf {
<vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf <vrf-name-out> <tag-out> [
<mesh-id-set-out> ] [ <mesh-id-invalid-out> ] [ <mesh-id-none-out> ] [ { TABLE_meshid <mesh-set-id-out>
[ { TABLE_if <mesh-id-intf-name-out> } } ] ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
mesh-group	Display IS-IS mesh-groups
<i>mesh-id</i>	(Optional) Display a single mesh-group
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>tag-out</i>	(Optional)
<i>mesh-id-set-out</i>	(Optional)
<i>mesh-id-invalid-out</i>	(Optional)
<i>mesh-id-none-out</i>	(Optional)
TABLE_meshid	(Optional)
<i>mesh-set-id-out</i>	(Optional)
TABLE_if	(Optional)
<i>mesh-id-intf-name-out</i>	(Optional)

Command Mode

- /exec

show isis redistribute route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] redistribute route [ summary |
<ip-addr> | <ip-prefix> [ longer-prefixes [ summary ] ] ] [ direct-mask ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] [ __readonly__ TABLE_process_tag <process-tag-out> <redist-route-vrf> [ <redist-route-af-ix> ] [
{ TABLE_one_route <redist-route-prefix> [ <redist-route-mask-len> ] [ <redist-route-stale> ] [
<redist-route-pib-name> ] [ <redist-route-direct-mask> ] [ <redist-route-route-type> ] [ { TABLE_redist
<redist-route-status> <redist-route-level> [ <redist-route-metric> ] [ <redist-route-sum-addr-prefix> ] [
<redist-route-sum-addr-mask-len> ] } ] } ] [ <redist-route-summary-addr-prefix> ] [
<redist-route-summary-addr-mask-len> ] [ <redist-route-summary-route-total> ] [ { TABLE_protocol
<redist-route-summary-pib-name> [ <redist-route-summary-prot-route-total> ] } ] [
<redist-route-summary-pending-total> ] [ { TABLE_mask_len <redist-route-summary-mask-len-ix> [
<redist-route-summary-mask-len> ] } ] ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
ip	(Optional) Display IS-IS IPv4 information
<i>ip-addr</i>	(Optional) Display single IP redistribute route
<i>ip-prefix</i>	(Optional) Display single exact match IP redistribute route
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
direct-mask	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<u>__readonly__</u>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>redist-route-vrf</i>	(Optional)

<i>redist-route-af-ix</i>	(Optional)
TABLE_one_route	(Optional)
<i>redist-route-prefix</i>	(Optional)
<i>redist-route-mask-len</i>	(Optional)
<i>redist-route-stale</i>	(Optional)
<i>redist-route-pib-name</i>	(Optional)
<i>redist-route-direct-mask</i>	(Optional)
<i>redist-route-route-type</i>	(Optional)
TABLE_redist	(Optional)
<i>redist-route-status</i>	(Optional)
<i>redist-route-level</i>	(Optional)
<i>redist-route-metric</i>	(Optional)
<i>redist-route-sum-addr-prefix</i>	(Optional)
<i>redist-route-sum-addr-mask-len</i>	(Optional)
<i>redist-route-summary-addr-prefix</i>	(Optional)
<i>redist-route-summary-addr-mask-len</i>	(Optional)
<i>redist-route-summary-route-total</i>	(Optional)
TABLE_protocol	(Optional)
<i>redist-route-summary-pib-name</i>	(Optional)
<i>redist-route-summary-prot-route-total</i>	(Optional)
<i>redist-route-summary-pending-total</i>	(Optional)
TABLE_mask_len	(Optional)
<i>redist-route-summary-mask-len-ix</i>	(Optional)
<i>redist-route-summary-mask-len</i>	(Optional)

Command Mode

- /exec

show isis route

```

show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] route [ summary | detail | private
| <ip-addr> [ detail | private ] | <ip-prefix> [ detail | private | longer-prefixes [ summary | detail | private ] ] ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ { TABLE_process_tag <process-tag-out> {
TABLE_vrf <vrf-name-out> <afi-safi-out> [ TABLE_prefix [ <route-prefix-out> <route-mask-len-out>
<route-level-out> ] [ <route-summ-discard-addr-out> <route-summ-discard-mask-len-out> ] [
<route-discard-addr-out> <route-discard-mask-len-out> ] [ <route-addr-print-out> <route-mask-len-print-out>
<route-direct-print-out> ] [ TABLE_direct_path [ <route-direct-out> <route-direct-via-out>
<route-direct-if-name-out> <route-direct-metric-out> <route-direct-level-out> ] [ <route-direct-instance-out>
] ] [ TABLE_best_path [ <route-no-def-prefix-out> ] [ <route-def-prefix-out> ] <route-addr-valid-out>
<route-marker-out> <route-ifname-out> <route-metric-out> <route-pref-out> [ <route-instance-out> ] ] [
<route-discard-mask-out> ] [ [ <route-sum-prefix-out> <route-sum-prefix-len-out> ] <route-total-out>
<route-paths-total-out> <route-paths-best-out> <route-paths-backup-out> [ TABLE_sum_best_route
<route-sum-lvl-out> <route-sum-total-out> [ <route-sum-direct-out> ] [ <route-sum-normal-out> ] [
<route-sum-missing-out> ] ] [ <route-best-pend-num-out> ] <route-bestpaths-out> [ TABLE_sum_best_path
<route-path-sum-lvl-out> <route-path-sum-total-out> [ <route-path-sum-direct-out> ] [
<route-path-sum-normal-out> ] ] <route-backuppaths-out> [ TABLE_sum_backup_path
<backup-path-sum-lvl-out> <backup-path-sum-total-out> [ <backup-path-sum-direct-out> ] [
<backup-path-sum-normal-out> ] ] <route-bestroutes-per-mask-out> [ TABLE_best_mask
<route-best-mask-val-out> <route-best-mask-count-out> ] [ <route-pend-q-count-out> ] ] ] } } ]

```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
ip	(Optional) Display IS-IS IPv4 information
route	Display IS-IS route information
<i>ip-addr</i>	(Optional) Display single IP route
<i>ip-prefix</i>	(Optional) Display single exact match IP route
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
detail	(Optional) Display detail route information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

<code>__readonly__</code>	(Optional)
<code>TABLE_process_tag</code>	(Optional)
<code>process-tag-out</code>	(Optional)
<code>TABLE_vrf</code>	(Optional)
<code>vrf-name-out</code>	(Optional)
<code>afi-safi-out</code>	(Optional)
<code>TABLE_prefix</code>	(Optional)
<code>route-prefix-out</code>	(Optional)
<code>route-mask-len-out</code>	(Optional)
<code>route-level-out</code>	(Optional)
<code>route-summ-discard-addr-out</code>	(Optional)
<code>route-summ-discard-mask-len-out</code>	(Optional)
<code>route-discard-addr-out</code>	(Optional)
<code>route-discard-mask-len-out</code>	(Optional)
<code>route-addr-print-out</code>	(Optional)
<code>route-mask-len-print-out</code>	(Optional)
<code>route-direct-print-out</code>	(Optional)
<code>TABLE_direct_path</code>	(Optional)
<code>route-direct-out</code>	(Optional)
<code>route-direct-via-out</code>	(Optional)
<code>route-direct-if-name-out</code>	(Optional)
<code>route-direct-metric-out</code>	(Optional)
<code>route-direct-level-out</code>	(Optional)
<code>route-direct-instance-out</code>	(Optional)
<code>TABLE_best_path</code>	(Optional)
<code>route-no-def-prefix-out</code>	(Optional)
<code>route-def-prefix-out</code>	(Optional)
<code>route-addr-valid-out</code>	(Optional)
<code>route-marker-out</code>	(Optional)

<i>route-ifname-out</i>	(Optional)
<i>route-metric-out</i>	(Optional)
<i>route-pref-out</i>	(Optional)
<i>route-instance-out</i>	(Optional)
<i>route-discard-mask-out</i>	(Optional)
<i>route-sum-prefix-out</i>	(Optional)
<i>route-sum-prefix-len-out</i>	(Optional)
<i>route-total-out</i>	(Optional)
<i>route-paths-total-out</i>	(Optional)
<i>route-paths-best-out</i>	(Optional)
<i>route-paths-backup-out</i>	(Optional)
TABLE_sum_best_route	(Optional)
<i>route-sum-lvl-out</i>	(Optional)
<i>route-sum-total-out</i>	(Optional)
<i>route-sum-direct-out</i>	(Optional)
<i>route-sum-normal-out</i>	(Optional)
<i>route-sum-missing-out</i>	(Optional)
<i>route-best-pend-num-out</i>	(Optional)
<i>route-bestpaths-out</i>	(Optional)
TABLE_sum_best_path	(Optional)
<i>route-path-sum-lvl-out</i>	(Optional)
<i>route-path-sum-total-out</i>	(Optional)
<i>route-path-sum-direct-out</i>	(Optional)
<i>route-path-sum-normal-out</i>	(Optional)
<i>route-backuppaths-out</i>	(Optional)
TABLE_sum_backup_path	(Optional)
<i>backup-path-sum-lvl-out</i>	(Optional)
<i>backup-path-sum-total-out</i>	(Optional)
<i>backup-path-sum-direct-out</i>	(Optional)

<i>backup-path-sum-normal-out</i>	(Optional)
<i>route-bestroutes-per-mask-out</i>	(Optional)
TABLE_best_mask	(Optional)
<i>route-best-mask-val-out</i>	(Optional)
<i>route-best-mask-count-out</i>	(Optional)
<i>route-pend-q-count-out</i>	(Optional)

Command Mode

- /exec

show isis rrm

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] rrm <interface> [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ { TABLE_process_tag <process-tag-out> <rrm-if-name> [ {
TABLE_rrm <rrm-level> <rrm-retx-interval> <rrm-retx-throttle-interval> <rrm-retx-queue-length>
<rrm-next-retx> <rrm-retx-queue-hwm> <rrm-retx-queue-limit> <rrm-retx-queue-exceed> <rrm-dbase-hdr>
[ <rrm-timestamp> ] [ <rrm-lsp-retx-instance> ] [ <rrm-lsp-db-instance> ] [ <rrm-rrm-set> ] [ <rrm-srm-set>
] } ] } ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
rrm	Display IS-IS Retransmit-Routing-Message information
<i>interface</i>	IS-IS interface
<i>__readonly__</i>	(Optional)
<i>TABLE_process_tag</i>	(Optional)
<i>process-tag-out</i>	(Optional)
<i>rrm-if-name</i>	(Optional)
<i>TABLE_rrm</i>	(Optional)
<i>rrm-level</i>	(Optional)
<i>rrm-retx-interval</i>	(Optional)
<i>rrm-retx-throttle-interval</i>	(Optional)
<i>rrm-retx-queue-length</i>	(Optional)
<i>rrm-next-retx</i>	(Optional)
<i>rrm-retx-queue-hwm</i>	(Optional)
<i>rrm-retx-queue-limit</i>	(Optional)
<i>rrm-retx-queue-exceed</i>	(Optional)

<i>rrm-dbase-hdr</i>	(Optional)
<i>rrm-timestamp</i>	(Optional)
<i>rrm-lsp-retx-instance</i>	(Optional)
<i>rrm-lsp-db-instance</i>	(Optional)
<i>rrm-rrm-set</i>	(Optional)
<i>rrm-srm-set</i>	(Optional)

Command Mode

- /exec

show isis segment-routing mapcache

```
show isis [ <isis-tag> ] segment-routing mapcache [ level-1 | level-2 ] [ <ipv4-prefix> ] [ sid <sr-sid> ] [ vrf
{ <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ { TABLE_process_tag <process-tag-out> {
TABLE_vrf <vrf-name-out> <srmap-v4-state> <srmap-v6-state> [ { TABLE_srmap_level <srmap-level> [
{ TABLE_srmap_pfxsid <srmap-pfxsid> <srmap-lsp-id> <srmap-pfxsid-valid> <srmap-pfxsid-flags>
<srmap-prefix> } ] } ] } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	show segment-routing information
mapcache	prefix-sid mappings
level-1	(Optional) show information for level 1 only
level-2	(Optional) show information for level 2 only
<i>ipv4-prefix</i>	(Optional) Display single exact match IP route
sid	(Optional) show information for this SR SID value
<i>sr-sid</i>	(Optional) SR SID value
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
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>srmap-v4-state</i>	(Optional)
<i>srmap-v6-state</i>	(Optional)
TABLE_srmap_level	(Optional)
<i>srmap-level</i>	(Optional)

TABLE_srmap_pfxsid	(Optional)
<i>srmap-pfxsid</i>	(Optional)
<i>srmap-lsp-id</i>	(Optional)
<i>srmap-pfxsid-valid</i>	(Optional)
<i>srmap-pfxsid-flags</i>	(Optional)
<i>srmap-prefix</i>	(Optional)

Command Mode

- /exec

show isis segment-routing remote-srgb

```
show isis [ <isis-tag> ] segment-routing remote-srgb [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <sr-v4-state>
<sr-v6-state> [ { TABLE_srgb_lsp <srgb-level> <srgb-lspid> <srgb-num-entries> <srgb-flags> [ {
TABLE_srgb_label <srgb-start-label> <srgb-range> } ] } ] } ] }
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	show segment-routing information
remote-srgb	remote SR ranges
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>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>sr-v4-state</i>	(Optional)
<i>sr-v6-state</i>	(Optional)
TABLE_srgb_lsp	(Optional)
<i>srgb-level</i>	(Optional)
<i>srgb-lspid</i>	(Optional)
<i>srgb-num-entries</i>	(Optional)
<i>srgb-flags</i>	(Optional)
TABLE_srgb_label	(Optional)
<i>srgb-start-label</i>	(Optional)

<i>srgb-range</i>	(Optional)
-------------------	------------

Command Mode

- /exec

show isis segment-routing sids

```
show isis [ <isis-tag> ] segment-routing sids [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
{ TABLE_process_tag <process-tag-out> <vrf-name-out> [ { TABLE_sr_sids <sr-sid> [ <sr-prefix> ] [
<sr-local-flag> ] [ <sr-conflict-flag> ] } } ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	show segment-routing information
sids	sid database
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
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_sr_sids	(Optional)
<i>sr-sid</i>	(Optional)
<i>sr-prefix</i>	(Optional)
<i>sr-local-flag</i>	(Optional)
<i>sr-conflict-flag</i>	(Optional)

Command Mode

- /exec

show isis segment-routing srv6

```
show isis [ <isis-tag> ] segment-routing srv6 [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__
{ TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <vrf-id-out> <srv6-enabled-out>
<sidmgr-registered-out> } } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	Segment-routing properties
srv6	Segment-routing for IPv6
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
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>vrf-id-out</i>	(Optional)
<i>srv6-enabled-out</i>	(Optional)
<i>sidmgr-registered-out</i>	(Optional)

Command Mode

- /exec

show isis segment-routing srv6 locators

```
show isis [ <isis-tag> ] segment-routing srv6 locators [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <vrf-id-out>
<srv6-enabled-out> [ { TABLE_locators <name-out> <active-out> [ <ipv6-prefix-out> ] [ <mask-len-out> ]
<sidmgr-cfg-complete-out> <isis-cfg-complete-out> <stale-locator-out> [ { TABLE_level <level-out>
<advertised> [ <lsp-id-out> ] } ] } ] } ] }
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	Segment-routing properties
srv6	Segment-routing for IPv6
locators	IS-IS SRv6 Locator Table
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>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>vrf-id-out</i>	(Optional)
<i>srv6-enabled-out</i>	(Optional)
TABLE_locators	(Optional)
<i>name-out</i>	(Optional)
<i>active-out</i>	(Optional)
<i>ipv6-prefix-out</i>	(Optional)
<i>mask-len-out</i>	(Optional)
<i>sidmgr-cfg-complete-out</i>	(Optional)

<i>isis-cfg-complete-out</i>	(Optional)
<i>stale-locator-out</i>	(Optional)
TABLE_level	(Optional)
<i>level-out</i>	(Optional)
<i>advertised</i>	(Optional)
<i>lsp-id-out</i>	(Optional)

Command Mode

- /exec

show isis spf-log

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] spf-log [ detail ] [ vrf { <vrf-name>
| <vrf-known-name> | all } ] [ __readonly__ [ { TABLE_process_tag [ <process-tag-out> ] [ <vrf-name-out>
] [ { TABLE_topo [ <topo-id-out> ] [ <spflog-calc-out> ] [ <spflog-size-out> ] [ <spflog-maxsize-out> ] [ {
TABLE_log_detail [ <num-out> ] [ <ts-out> ] [ <date-out> ] [ { TABLE_lvl_detail [ <lvlid-out> ] [
<instance-out> ] [ <init-ts-out> ] [ <ts-lvl-out> ] } ] [ <ts-is-out> ] [ <ts-urib-out> ] [ <ts-elapsed-out> ] [ {
TABLE_lvl_second [ <lvls-out> ] [ <spf-node-out> ] [ <spf-cnt-out> ] [ <changed-cnt-out> ] [ <spf-reason-out>
} ] } ] [ { TABLE_log_brief [ <ago-time-out> ] [ { TABLE_lvl [ <lvl-out> ] [ <reason-out> ] [ <count-out>
} ] } ] [ <elapsed-ts-out> ] } ] } ] }
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
spf-log	Display IS-IS SPF information
detail	(Optional) Display detail ISIS SPF information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_topo	(Optional)
<i>topo-id-out</i>	(Optional)
<i>spflog-calc-out</i>	(Optional)
<i>spflog-size-out</i>	(Optional)
<i>spflog-maxsize-out</i>	(Optional)
TABLE_log_detail	(Optional)
<i>num-out</i>	(Optional)
<i>ts-out</i>	(Optional)

<i>date-out</i>	(Optional)
TABLE_lvl_detail	(Optional)
<i>lvld-out</i>	(Optional)
<i>instance-out</i>	(Optional)
<i>init-ts-out</i>	(Optional)
<i>ts-lvl-out</i>	(Optional)
<i>ts-is-out</i>	(Optional)
<i>ts-urib-out</i>	(Optional)
<i>ts-elapsed-out</i>	(Optional)
TABLE_lvl_second	(Optional)
<i>lvls-out</i>	(Optional)
<i>spf-node-out</i>	(Optional)
<i>spf-cnt-out</i>	(Optional)
<i>changed-cnt-out</i>	(Optional)
<i>spf-reason-out</i>	(Optional)
TABLE_log_brief	(Optional)
<i>ago-time-out</i>	(Optional)
TABLE_lvl	(Optional)
<i>lvl-out</i>	(Optional)
<i>reason-out</i>	(Optional)
<i>count-out</i>	(Optional)
<i>elapsed-ts-out</i>	(Optional)

Command Mode

- /exec

show isis srm

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] srm <interface> [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ { TABLE_process_tag <process-tag-out> <srm-if-name> [ { TABLE_srm <srm-level> <srm-if-eligible> <srm-if-not-on-srm-list> <srm-lsp-interval> <srm-next-lsp> <srm-dbase-hdr> } ] } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
srm	Display IS-IS Send-Routing-Message information
<i>interface</i>	IS-IS interface
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>srm-if-name</i>	(Optional)
TABLE_srm	(Optional)
<i>srm-level</i>	(Optional)
<i>srm-if-eligible</i>	(Optional)
<i>srm-if-not-on-srm-list</i>	(Optional)
<i>srm-lsp-interval</i>	(Optional)
<i>srm-next-lsp</i>	(Optional)
<i>srm-dbase-hdr</i>	(Optional)

Command Mode

- /exec

show isis ssn

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ssn <interface> [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ { TABLE_process_tag <process-tag-out> <snn-if-name> [ { TABLE_ssn <snn-level> <snn-psnp-eligible> <snn-next-psnp> <snn-dbase_hdr> } ] } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
ssn	Display IS-IS Send-Sequence-Number information
<i>interface</i>	IS-IS interface
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>snn-if-name</i>	(Optional)
TABLE_ssn	(Optional)
<i>snn-level</i>	(Optional)
<i>snn-psnp-eligible</i>	(Optional)
<i>snn-next-psnp</i>	(Optional)
<i>snn-dbase_hdr</i>	(Optional)

Command Mode

- /exec

show isis statistics

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics [ <interface> ] [ vrf {
<vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ { TABLE_interface_set [ <stat-if-out> ] [
<process-tag-out> ] [ <vrf-name-out> ] [ <stat-if-name-out> ] [ <stat-spf-calc-out> ] [ <stat-lsp-sourced-out>
] [ <stat-lsp-refresh-out> ] [ <stat-lsp-purge-out> ] [ <stat-dis-elections-out> } ] ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
statistics	Display IS-IS protocol statistics
<i>interface</i>	(Optional) IS-IS interface
<i>__readonly__</i>	(Optional)
TABLE_interface_set	(Optional)
<i>stat-if-out</i>	(Optional)
<i>process-tag-out</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>stat-if-name-out</i>	(Optional)
<i>stat-spf-calc-out</i>	(Optional)
<i>stat-lsp-sourced-out</i>	(Optional)
<i>stat-lsp-refresh-out</i>	(Optional)
<i>stat-lsp-purge-out</i>	(Optional)
<i>stat-dis-elections-out</i>	(Optional)

Command Mode

- /exec

show isis summary-address

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] summary-address [ <ip-addr> |
<ip-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<vrf-name-out> <tag-out> <afi-safi-out> [ <addr-absent-out> ] [ { TABLE_addr <sum-prefix-out>
<mask-len-out> <level-out> [ { TABLE_lvl <addr-lvl-out> <addr-num-out> [ <addr-metric-absent-out> ] [
<addr-metric-out> ] [ <addr-route-count-out> } ] } ] ] ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
ip	(Optional) Display IS-IS IPv4 information
summary-address	Display IS-IS summary address
<i>ip-addr</i>	(Optional) Display single IP summary address
<i>ip-prefix</i>	(Optional) Display single exact match IP summary address
longer-prefixes	(Optional) Display exact match and more specific summary address
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>tag-out</i>	(Optional)
<i>afi-safi-out</i>	(Optional)
<i>addr-absent-out</i>	(Optional)
TABLE_addr	(Optional)
<i>sum-prefix-out</i>	(Optional)
<i>mask-len-out</i>	(Optional)
<i>level-out</i>	(Optional)
TABLE_lvl	(Optional)

<i>addr-lvl-out</i>	(Optional)
<i>addr-num-out</i>	(Optional)
<i>addr-metric-absent-out</i>	(Optional)
<i>addr-metric-out</i>	(Optional)
<i>addr-route-count-out</i>	(Optional)

Command Mode

- /exec

show isis topology

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] topology [ base | mt-ipv6 ] [ vrf {
<vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_process_tag <process-tag-out> <topology-vrf>
<topo-id-out> [ { TABLE_LEVEL <topology-level> [ { TABLE_ONE_ROUTE
<topology-one-route-node-name> [ <topology-one-route-spf-instance> ] [ <topology-one-route-on-path> ] [
<topology-one-route-mt-id> ] [ { TABLE_ONE_ROUTE_NH <topology-one-route-nh-system-name> [
<topology-one-route-nh-if-name> ] [ <topology-one-route-nh-metric> } ] [ { TABLE_ONE_ROUTE_MBEST
<topology-one-route-mbest-system-name> [ <topology-one-route-mbest-if-name> ] [
<topology-one-route-mbest-metric> } ] } ] [ <topology-default-spf-instance> ] [ { TABLE_NH
<topology-nh-system-name> [ <topology-nh-if-name> ] [ <topology-nh-metric> } ] [ { TABLE_MBEST
<topology-mbest-system-name> [ <topology-mbest-if-name> ] [ <topology-mbest-metric> } ] } ] }
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
topology	Display IS-IS Topology information
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
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
<u>__readonly__</u>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>topology-vrf</i>	(Optional)
<i>topo-id-out</i>	(Optional)
TABLE_LEVEL	(Optional)
<i>topology-level</i>	(Optional)
TABLE_ONE_ROUTE	(Optional)
<i>topology-one-route-node-name</i>	(Optional)
<i>topology-one-route-spf-instance</i>	(Optional)

<i>topology-one-route-on-path</i>	(Optional)
<i>topology-one-route-mt-id</i>	(Optional)
TABLE_ONE_ROUTE_NH	(Optional)
<i>topology-one-route-nh-system-name</i>	(Optional)
<i>topology-one-route-nh-if-name</i>	(Optional)
<i>topology-one-route-nh-metric</i>	(Optional)
TABLE_ONE_ROUTE_MBEST	(Optional)
<i>topology-one-route-mbest-system-name</i>	(Optional)
<i>topology-one-route-mbest-if-name</i>	(Optional)
<i>topology-one-route-mbest-metric</i>	(Optional)
<i>topology-default-spf-instance</i>	(Optional)
TABLE_NH	(Optional)
<i>topology-nh-system-name</i>	(Optional)
<i>topology-nh-if-name</i>	(Optional)
<i>topology-nh-metric</i>	(Optional)
TABLE_MBEST	(Optional)
<i>topology-mbest-system-name</i>	(Optional)
<i>topology-mbest-if-name</i>	(Optional)
<i>topology-mbest-metric</i>	(Optional)

Command Mode

- /exec

show isis traffic

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> ] [ interfaces ] [
mbuf-priority ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ { TABLE_process_tag
<process-tag-out> [ { TABLE_vrf [ <vrf-name-out> ] [ { TABLE_interface [ <traffic-if-name-out> ] [
<traffic-lan-iih-out> ] [ <traffic-lan-iih-rcv-out> ] [ <traffic-lan-iih-xmit-out> ] [
<traffic-lan-iih-rcv-auth-err-out> ] [ <traffic-lan-iih-rcv-err-out> ] [ <traffic-p2p-iih-out> ] [
<traffic-p2p-iih-rcv-out> ] [ <traffic-p2p-iih-xmit-out> ] [ <traffic-p2p-iih-rcv-auth-err-out> ] [
<traffic-p2p-iih-rcv-err-out> ] [ <traffic-csnp-out> ] [ <traffic-csnp-rcv-out> ] [ <traffic-csnp-xmit-out> ] [
<traffic-csnp-rcv-auth-err-out> ] [ <traffic-csnp-rcv-err-out> ] [ <traffic-psnp-out> ] [ <traffic-psnp-rcv-out>
] [ <traffic-psnp-xmit-out> ] [ <traffic-psnp-rcv-auth-err-out> ] [ <traffic-psnp-rcv-err-out> ] [ <traffic-lsp-out>
] [ <traffic-lsp-rcv-out> ] [ <traffic-lsp-flood-out> ] [ <traffic-lsp-rcv-auth-err-out> ] [ <traffic-lsp-rcv-err-out>
] [ <traffic-lsp-rexmit-out> ] [ <traffic-xmit-err-out> ] [ <traffic-unknown-pdu-rcv-out> ] } ] [
<traffic-lan-iih-out> ] [ <traffic-lan-iih-rcv-out> ] [ <traffic-lan-iih-xmit-out> ] [
<traffic-lan-iih-rcv-auth-err-out> ] [ <traffic-lan-iih-rcv-err-out> ] [ <traffic-p2p-iih-out> ] [
<traffic-p2p-iih-rcv-out> ] [ <traffic-p2p-iih-xmit-out> ] [ <traffic-p2p-iih-rcv-auth-err-out> ] [
<traffic-p2p-iih-rcv-err-out> ] [ <traffic-csnp-out> ] [ <traffic-csnp-rcv-out> ] [ <traffic-csnp-xmit-out> ] [
<traffic-csnp-rcv-auth-err-out> ] [ <traffic-csnp-rcv-err-out> ] [ <traffic-psnp-out> ] [ <traffic-psnp-rcv-out>
] [ <traffic-psnp-xmit-out> ] [ <traffic-psnp-rcv-auth-err-out> ] [ <traffic-psnp-rcv-err-out> ] [ <traffic-lsp-out>
] [ <traffic-lsp-rcv-out> ] [ <traffic-lsp-flood-out> ] [ <traffic-lsp-rcv-auth-err-out> ] [ <traffic-lsp-rcv-err-out>
] [ <traffic-lsp-rexmit-out> ] [ <traffic-xmit-err-out> ] [ <traffic-unknown-pdu-rcv-out> ] } } ] }
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
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
traffic	Display IS-IS traffic information
<i>interface</i>	(Optional) IS-IS interface
interfaces	(Optional) Display IS-IS traffic information for all interfaces
mbuf-priority	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_interface	(Optional)

<i>traffic-if-name-out</i>	(Optional)
<i>traffic-lan-iih-out</i>	(Optional)
<i>traffic-lan-iih-rcv-out</i>	(Optional)
<i>traffic-lan-iih-xmit-out</i>	(Optional)
<i>traffic-lan-iih-rcv-auth-err-out</i>	(Optional)
<i>traffic-lan-iih-rcv-err-out</i>	(Optional)
<i>traffic-p2p-iih-out</i>	(Optional)
<i>traffic-p2p-iih-rcv-out</i>	(Optional)
<i>traffic-p2p-iih-xmit-out</i>	(Optional)
<i>traffic-p2p-iih-rcv-auth-err-out</i>	(Optional)
<i>traffic-p2p-iih-rcv-err-out</i>	(Optional)
<i>traffic-csnp-out</i>	(Optional)
<i>traffic-csnp-rcv-out</i>	(Optional)
<i>traffic-csnp-xmit-out</i>	(Optional)
<i>traffic-csnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-csnp-rcv-err-out</i>	(Optional)
<i>traffic-psnp-out</i>	(Optional)
<i>traffic-psnp-rcv-out</i>	(Optional)
<i>traffic-psnp-xmit-out</i>	(Optional)
<i>traffic-psnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-psnp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-out</i>	(Optional)
<i>traffic-lsp-rcv-out</i>	(Optional)
<i>traffic-lsp-flood-out</i>	(Optional)
<i>traffic-lsp-rcv-auth-err-out</i>	(Optional)
<i>traffic-lsp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-rexmit-out</i>	(Optional)
<i>traffic-xmit-err-out</i>	(Optional)
<i>traffic-unknown-pdu-rcv-out</i>	(Optional)

TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>traffic-lan-iih-out</i>	(Optional)
<i>traffic-lan-iih-rcv-out</i>	(Optional)
<i>traffic-lan-iih-xmit-out</i>	(Optional)
<i>traffic-lan-iih-rcv-auth-err-out</i>	(Optional)
<i>traffic-lan-iih-rcv-err-out</i>	(Optional)
<i>traffic-p2p-iih-out</i>	(Optional)
<i>traffic-p2p-iih-rcv-out</i>	(Optional)
<i>traffic-p2p-iih-xmit-out</i>	(Optional)
<i>traffic-p2p-iih-rcv-auth-err-out</i>	(Optional)
<i>traffic-p2p-iih-rcv-err-out</i>	(Optional)
<i>traffic-csnp-out</i>	(Optional)
<i>traffic-csnp-rcv-out</i>	(Optional)
<i>traffic-csnp-xmit-out</i>	(Optional)
<i>traffic-csnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-csnp-rcv-err-out</i>	(Optional)
<i>traffic-psnp-out</i>	(Optional)
<i>traffic-psnp-rcv-out</i>	(Optional)
<i>traffic-psnp-xmit-out</i>	(Optional)
<i>traffic-psnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-psnp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-out</i>	(Optional)
<i>traffic-lsp-rcv-out</i>	(Optional)
<i>traffic-lsp-flood-out</i>	(Optional)
<i>traffic-lsp-rcv-auth-err-out</i>	(Optional)
<i>traffic-lsp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-rexmit-out</i>	(Optional)
<i>traffic-xmit-err-out</i>	(Optional)

<i>traffic-unknown-pdu-rcv-out</i>	(Optional)
------------------------------------	------------

Command Mode

- /exec

show itd

```
show itd [ <svc-name> ] [ brief ] [ __readonly__ ] [ TABLE_summary <is_detail> <is_active> <service_name>
<is_include_acl> <probe> <lb_scheme> <state> <buckets> [ <interface_num> ] [ <interface> ] [
TABLE_interface <interface_grp> ] [ <reason> ] [ <src_interface> ] [ <source_vlan> ] [ <vrf_name> ] [
<excludeACL> ] [ <peer_status> ] <is_l2> [ TABLE_device <device_grp> [ <dg_probe> ] [ <dg_probe_port>
] [ <dg_vrf_name> ] ] [ <is_firstentry_routemap> ] [ TABLE_route_map [ <route_map> ] [
TABLE_rmap_interface [ <r_interface> ] [ <r_status> ] [ <int_track_id> ] ] ] [ TABLE_vip [ <vip_flags> ]
[ <vip_acl_key> ] [ <vip_probe> ] [ <vip_port> ] [ <ace_buckets> ] [ <vip_dgname> ] [ <vip_dg_vrf_name>
] [ <is_firstentry_vip_node> ] [ TABLE_vip_node <is_vip_node_ipv6> <vip_node> [ <vip_node_cluster> ]
<vip_config> <vip_weight> <vip_node_port> <vip_node_probe> <vip_node_probe_port>
<vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [ <is_firstentry_standby> ] [
TABLE_vip_standby <is_standby_vip_node_ipv6> <vip_standby_ip> <vip_standby_config>
<vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip>
<vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id> ] [ <is_firstentry_acl> ] [ TABLE_vip_acl
[ <vip_access_list> ] ] ] [ <is_firstentry> ] [ TABLE_node [ <is_node_ipv6> ] <node> [ <node_cluster> ]
[ <config> ] [ <weight> ] [ <port> ] [ <node_probe> ] [ <node_probe_port> ] [ <node_probe_ip> ] [ <status>
] [ <track_id> ] [ <ip_sla_id> ] [ <is_first_def_stdby> ] [ TABLE_standby <is_standby_node_ipv6>
<standby_ip> <standby_config> <standby_weight> <standby_probe> <standby_probe_port>
<standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id> ] [ <is_first_defdg_acl> ] [
TABLE_acl [ <access_list> ] ] ] ] [ <is_lastentry> ] ]
```

Syntax Description

show	Show running system information
itd	ITD service
<i>svc-name</i>	(Optional) ITD service name
brief	(Optional) brief
<i>__readonly__</i>	(Optional) Read Only
<i>is_firstentry</i>	(Optional) First entry
<i>is_firstentry_vip_node</i>	(Optional) First VIP node entry
<i>is_detail</i>	(Optional) In detail
<i>is_active</i>	(Optional) Is active
<i>is_firstentry_routemap</i>	(Optional) Is first route-map entry
<i>is_firstentry_acl</i>	(Optional) Is first acl entry
<i>is_firstentry_standby</i>	(Optional) Is first standby entry
<i>is_include_acl</i>	(Optional) Is include acl
<i>is_first_defdg_acl</i>	(Optional) Is first default dg acl
<i>is_l2</i>	(Optional) Is L2 service

TABLE_summary	(Optional)
<i>service_name</i>	(Optional) service_name
<i>probe</i>	(Optional) probe
<i>lb_scheme</i>	(Optional) lb scheme
<i>interface_num</i>	(Optional) Number of ingress interfaces
<i>interface</i>	(Optional) interface
TABLE_interface	(Optional)
<i>interface_grp</i>	(Optional) interface_grp
<i>src_interface</i>	(Optional) source interface for probe
<i>state</i>	(Optional) state
<i>buckets</i>	(Optional) buckets
<i>reason</i>	(Optional) inactive reason
<i>vrf_name</i>	(Optional) VRF-Name
<i>excludeACL</i>	(Optional) exclude access-list
<i>peer_status</i>	(Optional) peer status
TABLE_device	(Optional)
<i>device_grp</i>	(Optional) service device group
<i>dg_probe</i>	(Optional) probe type
<i>dg_probe_port</i>	(Optional) probe port
<i>dg_vrf_name</i>	(Optional) VRF name for device-group
TABLE_route_map	(Optional)
<i>route_map</i>	(Optional) service route map
TABLE_rmap_interface	(Optional)
<i>r_interface</i>	(Optional) interface
<i>r_status</i>	(Optional) route map status
<i>int_track_id</i>	(Optional) interface track id
TABLE_vip	(Optional)
<i>vip_flags</i>	(Optional) VIP encoded flags
<i>vip_acl_key</i>	(Optional) vip ip or acl name

<i>vip_probe</i>	(Optional) vip protocol
<i>vip_port</i>	(Optional) vip port
<i>vip_dgname</i>	(Optional) vip device group
<i>vip_dg_vrf_name</i>	(Optional) VRF name for VIP device-group
<i>ace_buckets</i>	(Optional) ace active buckets
TABLE_vip_node	(Optional)
<i>is_vip_node_ipv6</i>	(Optional) is node ipv6
<i>vip_node</i>	(Optional) service node ip
<i>vip_node_cluster</i>	(Optional) cluster id
<i>vip_config</i>	(Optional) node config
<i>vip_weight</i>	(Optional) node weight
<i>vip_node_port</i>	(Optional) node port
<i>vip_status</i>	(Optional) node status
<i>vip_node_probe</i>	(Optional) node probe type
<i>vip_node_probe_port</i>	(Optional) node probe port
<i>vip_node_probe_ip</i>	(Optional) node probe ip
<i>vip_track_id</i>	(Optional) node track id
<i>vip_ip_sla_id</i>	(Optional) node ip sla id
TABLE_vip_standby	(Optional)
<i>is_standby_vip_node_ipv6</i>	(Optional) is standby node ipv6
<i>vip_standby_ip</i>	(Optional) standby node ip
<i>vip_standby_config</i>	(Optional) standby node config
<i>vip_standby_weight</i>	(Optional) standby node weight
<i>vip_standby_status</i>	(Optional) standby node status
<i>vip_standby_probe</i>	(Optional) standby node probe type
<i>vip_standby_probe_port</i>	(Optional) standby node probe port
<i>vip_standby_probe_ip</i>	(Optional) standby node probe ip
<i>vip_standby_track_id</i>	(Optional) standby node track id
<i>vip_standby_sla_id</i>	(Optional) standby node sla id

TABLE_vip_acl	(Optional)
<i>vip_access_list</i>	(Optional) access list
TABLE_node	(Optional)
<i>is_node_ipv6</i>	(Optional) is node ipv6
<i>node</i>	(Optional) service node ip
<i>node_cluster</i>	(Optional) cluster id
<i>config</i>	(Optional) node config
<i>weight</i>	(Optional) node weight
<i>port</i>	(Optional) node port
<i>status</i>	(Optional) node status
<i>node_probe</i>	(Optional) node probe type
<i>node_probe_port</i>	(Optional) node probe port
<i>node_probe_ip</i>	(Optional) node probe ip
<i>track_id</i>	(Optional) node track id
<i>ip_sla_id</i>	(Optional) node ip sla id
<i>is_first_def_stdb</i>	(Optional) first default dg standby
TABLE_standby	(Optional)
<i>is_standby_node_ipv6</i>	(Optional) is standby node ipv6
<i>standby_ip</i>	(Optional) standby node ip
<i>standby_config</i>	(Optional) standby node config
<i>standby_weight</i>	(Optional) standby node weight
<i>standby_status</i>	(Optional) standby node status
<i>standby_probe</i>	(Optional) standby node probe type
<i>standby_probe_port</i>	(Optional) standby node probe port
<i>standby_probe_ip</i>	(Optional) standby node probe ip
<i>standby_track_id</i>	(Optional) standby node track id
<i>standby_sla_id</i>	(Optional) standby node sla id
TABLE_acl	(Optional)
<i>access_list</i>	(Optional) access list

<i>is_lastentry</i>	(Optional) last entry
<i>source_vlan</i>	(Optional) source vlan for L2 service

Command Mode

- /exec

show itd session device-group

```
show itd session device-group [ <name> ] [ __readonly__ [ TABLE_dg <dg_name> <first_entry> [ TABLE_svc
<node> [ <utrackid> ] [ <clusterid> ] [ <weight> ] ] ] ]
```

Syntax Description

show	Show running system information
itd	ITD service
session	ITD service session
device-group	ITD service session device-group
<i>name</i>	(Optional) ITD Service session name
<i>__readonly__</i>	(Optional) Read Only
TABLE_dg	(Optional)
<i>dg_name</i>	(Optional) Device-group name
<i>first_entry</i>	(Optional)
TABLE_svc	(Optional)
<i>node</i>	(Optional) node
<i>utrackid</i>	(Optional) track for node
<i>clusterid</i>	(Optional) cluster id for node
<i>weight</i>	(Optional) weight for node

Command Mode

- /exec

show itd statistics

```
show itd { <svc-name> | all } [ { src { <src-ip> | <src-IPv6> } } | { dst { <dst-ip> | <dst-IPv6> } } ] statistics
[ brief ] [ __readonly__ [ TABLE_nice [ <is_for_ace> ] <service_name> <dev_grp> [ <vip> ] [ <ace_seq> ]
[ <ace_ip> ] <vip_pkt> <percentage> [ TABLE_node <node_num> [ TABLE_bucket <bucket_acl> <node>
<mode> <orig_node> <acl_pkt> <bucket_per> ] ] [ TABLE_return_pkt <return_node_num> <return_node>
<return_node_pkt> <return_node_percentage> ] [ <return_pkt> ] [ <return_percentage> ] ] ]
```

Syntax Description

show	Show running system information
__readonly__	(Optional) Read Only
itd	ITD service
statistics	ITD statistics
brief	(Optional) brief
<i>svc-name</i>	ITD service name
all	All ITD services
src	(Optional) Statistics for src ip
<i>src-ip</i>	(Optional) Provide statistics for src ip
dst	(Optional) Statistics for dst ip
<i>dst-ip</i>	(Optional) Provide statistics for dst ip
TABLE_nice	(Optional)
<i>is_for_ace</i>	(Optional) ACE/VIP based services
<i>service_name</i>	(Optional) ITD service name
<i>dev_grp</i>	(Optional) device group
<i>vip</i>	(Optional) service virtual ip
<i>ace_seq</i>	(Optional) service ACE name and sequence number
<i>ace_ip</i>	(Optional) service ACE ip/mask/prefix
<i>vip_pkt</i>	(Optional) virtual ip pkt_count
<i>percentage</i>	(Optional) Packet percentage
<i>return_pkt</i>	(Optional) total return traffic packet count
<i>return_percentage</i>	(Optional) total return traffic packet percentage
TABLE_node	(Optional)

<i>node_num</i>	(Optional) Node number
TABLE_bucket	(Optional)
<i>bucket_acl</i>	(Optional) access list
<i>node</i>	(Optional) service node ip
<i>mode</i>	(Optional) Redirect mode
<i>orig_node</i>	(Optional) original node ip
<i>acl_pkt</i>	(Optional) acl pkt count
<i>bucket_per</i>	(Optional) Packet percentage
TABLE_return_pkt	(Optional)
<i>return_node_num</i>	(Optional) Node number
<i>return_node</i>	(Optional) return traffic node ip
<i>return_node_pkt</i>	(Optional) return traffic packet count
<i>return_node_percentage</i>	(Optional) return traffic packet percentage

Command Mode

- /exec

show itd vrf

```
show itd vrf [ <name> ] [ __readonly__ <first_entry> [ TABLE_svc <service_name> <vrf_name> <vrf_id> ] ]
```

Syntax Description

show	Show running system information
itd	ITD service
vrf	ITD service vrf
<i>name</i>	(Optional) ITD Service VRF name
<i>__readonly__</i>	(Optional) Read Only
<i>first_entry</i>	(Optional)
TABLE_svc	(Optional)
<i>service_name</i>	(Optional) itd service name
<i>vrf_name</i>	(Optional) vrf name
<i>vrf_id</i>	(Optional) vrf id

Command Mode

- /exec

show itu channel

show itu channel { <itu_val> | all } [__readonly__ TABLE_itu <ituchannel> <frequency> <wavelength>]

Syntax Description

show	Show running system information
itu	Show itu channel mapping
channel	Show itu channel mapping
<i>itu_val</i>	Enter itu channel
all	Show all itu channel mapping
__readonly__	(Optional) Read Only
TABLE_itu	(Optional) show itu channel
<i>ituchannel</i>	(Optional) itu channel
<i>frequency</i>	(Optional) frequency in THz
<i>wavelength</i>	(Optional) wavelength in nm

Command Mode

- /exec



K Show Commands

- [show key chain, on page 1802](#)
- [show key chain mode decrypt, on page 1803](#)
- [show keystore, on page 1804](#)
- [show kim inconsistency, on page 1805](#)
- [show kubernetes containers, on page 1806](#)

show key chain

```
{ show key chain [ <keychain> ] } [ __readonly__ TABLE_keychain <chain_name> { TABLE_key [ <key_id> ] [ <key_string> ] [ <crypto_algo> ] [ <accept_utc_zone> ] [ <accept_start> ] [ <accept_end> ] [ <accept_valid> ] [ <send_utc_zone> ] [ <send_start> ] [ <send_end> ] [ <send_valid> ] } }
```

Syntax Description

show	Show running system information
key	Display Key Information
chain	Display Keychain Information
<i>keychain</i>	(Optional) Keychain name
<i>__readonly__</i>	(Optional)
TABLE_keychain	(Optional)
TABLE_key	(Optional)
<i>chain_name</i>	(Optional)
<i>key_id</i>	(Optional)
<i>key_string</i>	(Optional)
<i>crypto_algo</i>	(Optional)
<i>accept_utc_zone</i>	(Optional)
<i>accept_start</i>	(Optional)
<i>accept_end</i>	(Optional)
<i>accept_valid</i>	(Optional)
<i>send_utc_zone</i>	(Optional)
<i>send_start</i>	(Optional)
<i>send_end</i>	(Optional)
<i>send_valid</i>	(Optional)

Command Mode

- /exec

show key chain mode decrypt

```
{ show key chain [ <keychain> ] mode decrypt } [ __readonly__ TABLE_keychain_decrypt <chain_name>
{ TABLE_key [ <key_id> ] [ <key_string> ] [ <crypto_algo> ] [ <accept_utc_zone> ] [ <accept_start> ] [
<accept_end> ] [ <accept_valid> ] [ <send_utc_zone> ] [ <send_start> ] [ <send_end> ] [ <send_valid> ] } }
```

Syntax Description

show	Show running system information
key	Display Key Information
chain	Display Keychain Information
<i>keychain</i>	(Optional) Keychain name
mode	Mode of display
decrypt	Display Decrypted Keystings
<i>__readonly__</i>	(Optional)
<i>TABLE_keychain_decrypt</i>	(Optional)
<i>TABLE_key</i>	(Optional)
<i>chain_name</i>	(Optional)
<i>key_id</i>	(Optional)
<i>key_string</i>	(Optional)
<i>crypto_algo</i>	(Optional)
<i>accept_utc_zone</i>	(Optional)
<i>accept_start</i>	(Optional)
<i>accept_end</i>	(Optional)
<i>accept_valid</i>	(Optional)
<i>send_utc_zone</i>	(Optional)
<i>send_start</i>	(Optional)
<i>send_end</i>	(Optional)
<i>send_valid</i>	(Optional)

Command Mode

- /exec

show keystore

```
show keystore [ __readonly__ { TABLE_sksd_state_entries <index> <handle> } <keystore_type>
<keystore_ver> <fw_panic> <fw_resets> <rx_fifo_underruns> <rx_timeouts> <rx_bad_checksums>
<rx_bad_fragment_lengths> <keystore_corruption> ]
```

Syntax Description

keystore	keystore stats
<i>__readonly__</i>	(Optional)
TABLE_sksd_state_entries	(Optional) Displays handles of the keys stored
<i>index</i>	(Optional) Index value
<i>handle</i>	(Optional) Handle Name
<i>keystore_type</i>	(Optional) Type of storage h/w or s/w
<i>keystore_ver</i>	(Optional) Version
<i>fw_panic</i>	(Optional) Number of panics
<i>fw_resets</i>	(Optional) Number of Resets
<i>rx_fifo_underruns</i>	(Optional) Rx FIFO Underruns
<i>rx_timeouts</i>	(Optional) Number of Rx timeouts
<i>rx_bad_checksums</i>	(Optional) Number of Bad Checsums
<i>rx_bad_fragment_lengths</i>	(Optional) Bad fragment lenghts received
<i>keystore_corruption</i>	(Optional) Number of corruptions detected

Command Mode

- /exec

show kim inconsistency

show kim inconsistency

Syntax Description

show	Show running system information
kim	Display KIM information
inconsistency	KIM inconsistency

Command Mode

- /exec

show kubernetes containers

show kubernetes containers [brief | interface <if_name> | mgmt0]

Syntax Description

show	Show running system information
kubernetes	Show kubernetes
containers	containers
brief	(Optional) Show brief information
interface	(Optional) Interface name
<i>if_name</i>	(Optional) Physical interface
mgmt0	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec



L Show Commands

- [show l2 mroute](#), on page 1814
- [show l2 multicast ftag](#), on page 1816
- [show l2 multicast trees](#), on page 1817
- [show l2 route](#), on page 1819
- [show l2rib clients](#), on page 1821
- [show l2rib producers](#), on page 1822
- [show l2rib registrations](#), on page 1824
- [show l2route cmcast topology](#), on page 1826
- [show l2route evpn ead all](#), on page 1827
- [show l2route evpn ethernet-segment esi](#), on page 1828
- [show l2route evpn fl all](#), on page 1829
- [show l2route evpn fl evi](#), on page 1830
- [show l2route evpn imet all](#), on page 1831
- [show l2route evpn imet evi](#), on page 1832
- [show l2route evpn mac-ip all](#), on page 1834
- [show l2route evpn mac-ip evi](#), on page 1836
- [show l2route evpn mac all](#), on page 1838
- [show l2route evpn mac evi](#), on page 1840
- [show l2route evpn path-list all](#), on page 1842
- [show l2route evpn startup-route all](#), on page 1843
- [show l2route evpn startup-route evi](#), on page 1844
- [show l2route evpn topo-child-attr all](#), on page 1845
- [show l2route evpn topo-child-attr evi](#), on page 1846
- [show l2route fl topology](#), on page 1847
- [show l2route peerid](#), on page 1848
- [show l2route summary](#), on page 1849
- [show l2route topology](#), on page 1850
- [show l2route topology](#), on page 1852
- [show l2route topology](#), on page 1854
- [show lacp counters](#), on page 1856
- [show lacp interface](#), on page 1857
- [show lacp issu-impact](#), on page 1860
- [show lacp neighbor](#), on page 1861

- [show lacp port-channel](#), on page 1862
- [show lacp system-identifier](#), on page 1863
- [show lcmd dot1x address](#), on page 1864
- [show lcmd dot1x port](#), on page 1865
- [show lcmd stats interface](#), on page 1866
- [show ldap-search-map](#), on page 1867
- [show ldap-server](#), on page 1868
- [show ldap-server groups](#), on page 1870
- [show ldap-server statistics](#), on page 1872
- [show license](#), on page 1874
- [show license all](#), on page 1875
- [show license certs](#), on page 1878
- [show license data conversion](#), on page 1879
- [show license eventlog](#), on page 1880
- [show license history message](#), on page 1881
- [show license host-id](#), on page 1882
- [show license status](#), on page 1883
- [show license summary](#), on page 1886
- [show license tech support](#), on page 1887
- [show license udi](#), on page 1888
- [show license usage](#), on page 1889
- [show license version](#), on page 1891
- [show line](#), on page 1892
- [show line console](#), on page 1893
- [show line console connected](#), on page 1894
- [show line console user-input-string](#), on page 1895
- [show lisp ddt](#), on page 1896
- [show lisp ddt queue](#), on page 1897
- [show lisp ddt referral-cache](#), on page 1898
- [show lisp dynamic-eid](#), on page 1899
- [show lisp elp](#), on page 1900
- [show lisp negative-prefix](#), on page 1901
- [show lisp proxy-itr](#), on page 1902
- [show lisp site](#), on page 1903
- [show lisp site instance-id](#), on page 1904
- [show lldp all](#), on page 1905
- [show lldp dcba interface](#), on page 1906
- [show lldp entry](#), on page 1908
- [show lldp interface](#), on page 1910
- [show lldp neighbors](#), on page 1912
- [show lldp neighbors detail](#), on page 1914
- [show lldp neighbors system-detail](#), on page 1916
- [show lldp poe interface](#), on page 1917
- [show lldp portid-subtype](#), on page 1918
- [show lldp timers](#), on page 1919
- [show lldp tlv-select](#), on page 1920

- [show lldp traffic](#), on page 1922
- [show lldp traffic interface](#), on page 1923
- [show lldp traffic interface all](#), on page 1924
- [show locator-led status](#), on page 1925
- [show logging](#), on page 1926
- [show logging console](#), on page 1927
- [show logging dropcount](#), on page 1928
- [show logging history](#), on page 1929
- [show logging info](#), on page 1930
- [show logging ip access-list cache](#), on page 1932
- [show logging ip access-list status](#), on page 1934
- [show logging last](#), on page 1935
- [show logging level](#), on page 1936
- [show logging level](#), on page 1937
- [show logging level aaa](#), on page 1939
- [show logging level acl](#), on page 1940
- [show logging level aclog](#), on page 1941
- [show logging level aclmgr](#), on page 1942
- [show logging level adbm](#), on page 1943
- [show logging level adjmgr](#), on page 1944
- [show logging level amt](#), on page 1945
- [show logging level arp](#), on page 1946
- [show logging level ascii-cfg](#), on page 1947
- [show logging level assoc_mgr](#), on page 1948
- [show logging level backup](#), on page 1949
- [show logging level bfd](#), on page 1950
- [show logging level bgp](#), on page 1951
- [show logging level bloggerd](#), on page 1952
- [show logging level bootvar](#), on page 1953
- [show logging level callhome](#), on page 1954
- [show logging level capability](#), on page 1955
- [show logging level cdp](#), on page 1956
- [show logging level cert_enroll](#), on page 1957
- [show logging level cfs](#), on page 1958
- [show logging level clis](#), on page 1959
- [show logging level clk_mgr](#), on page 1960
- [show logging level confcheck](#), on page 1961
- [show logging level copp](#), on page 1962
- [show logging level core-dmon](#), on page 1963
- [show logging level cts](#), on page 1964
- [show logging level device-alias](#), on page 1965
- [show logging level dhclient](#), on page 1966
- [show logging level dhcp_snoop](#), on page 1967
- [show logging level diagnostic diag_port_lb](#), on page 1968
- [show logging level diagnostic diagclient](#), on page 1969
- [show logging level diagnostic diagmgr](#), on page 1970

- [show logging level dot1x](#), on page 1971
- [show logging level dpvm](#), on page 1972
- [show logging level ecp](#), on page 1973
- [show logging level eigrp](#), on page 1974
- [show logging level eltm](#), on page 1975
- [show logging level epbr](#), on page 1976
- [show logging level epp](#), on page 1977
- [show logging level ethdstats](#), on page 1978
- [show logging level ethpm](#), on page 1979
- [show logging level evb](#), on page 1980
- [show logging level evmc](#), on page 1981
- [show logging level evmed](#), on page 1982
- [show logging level evms](#), on page 1983
- [show logging level fabric forwarding](#), on page 1984
- [show logging level fabricpath isis](#), on page 1985
- [show logging level fabricpath switch-id](#), on page 1986
- [show logging level fc2d](#), on page 1987
- [show logging level fcdomain](#), on page 1988
- [show logging level fcns](#), on page 1989
- [show logging level fcoe_mgr](#), on page 1990
- [show logging level fcs](#), on page 1991
- [show logging level fdmi](#), on page 1992
- [show logging level feature-mgr](#), on page 1993
- [show logging level flogi](#), on page 1994
- [show logging level fs-daemon](#), on page 1995
- [show logging level fspf](#), on page 1996
- [show logging level fsync_mgr](#), on page 1997
- [show logging level gpixm](#), on page 1998
- [show logging level hardware-telemetry](#), on page 1999
- [show logging level hsrp](#), on page 2000
- [show logging level icam](#), on page 2001
- [show logging level igmp](#), on page 2002
- [show logging level im](#), on page 2003
- [show logging level imp](#), on page 2004
- [show logging level interface-vlan](#), on page 2005
- [show logging level ip sla responder](#), on page 2006
- [show logging level ip sla sender](#), on page 2007
- [show logging level ip sla twamp-server](#), on page 2008
- [show logging level ipconf](#), on page 2009
- [show logging level ipfib](#), on page 2010
- [show logging level ipqos](#), on page 2011
- [show logging level ipv6 icmp](#), on page 2012
- [show logging level ipv6 mfwd](#), on page 2013
- [show logging level ipv6 pim](#), on page 2014
- [show logging level iscm](#), on page 2015
- [show logging level iscm](#), on page 2016

- [show logging level isis, on page 2017](#)
- [show logging level l2fm, on page 2018](#)
- [show logging level l3vm, on page 2019](#)
- [show logging level lacp, on page 2020](#)
- [show logging level ldap, on page 2021](#)
- [show logging level lim, on page 2022](#)
- [show logging level lisp, on page 2023](#)
- [show logging level lldp, on page 2024](#)
- [show logging level m2rib, on page 2025](#)
- [show logging level mfdm, on page 2026](#)
- [show logging level mfwd, on page 2027](#)
- [show logging level mld, on page 2028](#)
- [show logging level mmode, on page 2029](#)
- [show logging level module, on page 2030](#)
- [show logging level monitor, on page 2031](#)
- [show logging level mpls manager, on page 2032](#)
- [show logging level mpls switching, on page 2033](#)
- [show logging level msdp, on page 2034](#)
- [show logging level mvsh, on page 2035](#)
- [show logging level nat, on page 2036](#)
- [show logging level nbm, on page 2037](#)
- [show logging level netstack, on page 2038](#)
- [show logging level nfm, on page 2039](#)
- [show logging level ngmvpn, on page 2040](#)
- [show logging level ngoam, on page 2041](#)
- [show logging level npv, on page 2042](#)
- [show logging level ntp, on page 2043](#)
- [show logging level nve, on page 2044](#)
- [show logging level nxsdk, on page 2045](#)
- [show logging level ofm, on page 2046](#)
- [show logging level openflow, on page 2047](#)
- [show logging level ospf, on page 2048](#)
- [show logging level ospfv3, on page 2049](#)
- [show logging level otv isis, on page 2050](#)
- [show logging level pfstat, on page 2051](#)
- [show logging level pim, on page 2052](#)
- [show logging level pixm, on page 2053](#)
- [show logging level pktmgr, on page 2054](#)
- [show logging level platform, on page 2055](#)
- [show logging level plcmgr, on page 2056](#)
- [show logging level pltfm_config, on page 2057](#)
- [show logging level pltm, on page 2058](#)
- [show logging level plugin, on page 2059](#)
- [show logging level poed, on page 2060](#)
- [show logging level port-channel, on page 2061](#)
- [show logging level port-profile, on page 2062](#)

- [show logging level port-resources, on page 2063](#)
- [show logging level port-security, on page 2064](#)
- [show logging level port, on page 2065](#)
- [show logging level private-vlan, on page 2066](#)
- [show logging level ptp, on page 2067](#)
- [show logging level radius, on page 2068](#)
- [show logging level rdl, on page 2069](#)
- [show logging level res_mgr, on page 2070](#)
- [show logging level rib, on page 2071](#)
- [show logging level rip, on page 2072](#)
- [show logging level routing ipv6 multicast, on page 2073](#)
- [show logging level routing multicast, on page 2074](#)
- [show logging level rpm, on page 2075](#)
- [show logging level rscn, on page 2076](#)
- [show logging level sal, on page 2077](#)
- [show logging level san-port-channel, on page 2078](#)
- [show logging level san-port-channel, on page 2079](#)
- [show logging level scheduler, on page 2080](#)
- [show logging level scsi-target, on page 2081](#)
- [show logging level security, on page 2082](#)
- [show logging level segment-routing, on page 2083](#)
- [show logging level session-mgr, on page 2084](#)
- [show logging level sflow, on page 2085](#)
- [show logging level smm, on page 2086](#)
- [show logging level snmpd, on page 2087](#)
- [show logging level snmpmib_proc, on page 2088](#)
- [show logging level spanning-tree, on page 2089](#)
- [show logging level spm, on page 2090](#)
- [show logging level stripcl, on page 2091](#)
- [show logging level syncc, on page 2092](#)
- [show logging level sysmgr, on page 2093](#)
- [show logging level tacacs, on page 2094](#)
- [show logging level telemetry, on page 2095](#)
- [show logging level template_manager, on page 2096](#)
- [show logging level track, on page 2097](#)
- [show logging level tunnel-encryption, on page 2098](#)
- [show logging level tunnel, on page 2099](#)
- [show logging level u2rib, on page 2100](#)
- [show logging level u6rib, on page 2101](#)
- [show logging level udld, on page 2102](#)
- [show logging level ufdm, on page 2103](#)
- [show logging level urib, on page 2104](#)
- [show logging level vdc_mgr, on page 2105](#)
- [show logging level virtual-service, on page 2106](#)
- [show logging level vlan_mgr, on page 2107](#)
- [show logging level vmm, on page 2108](#)

- [show logging level vmtracker, on page 2109](#)
- [show logging level vpc, on page 2110](#)
- [show logging level vrrp-cfg, on page 2111](#)
- [show logging level vrrp-eng, on page 2112](#)
- [show logging level vrrpv3, on page 2113](#)
- [show logging level vsan, on page 2114](#)
- [show logging level vshd, on page 2115](#)
- [show logging level vtp, on page 2116](#)
- [show logging level wwn, on page 2117](#)
- [show logging level xbar, on page 2118](#)
- [show logging level zone, on page 2119](#)
- [show logging logfile, on page 2120](#)
- [show logging logfile duration, on page 2121](#)
- [show logging logfile last-index, on page 2122](#)
- [show logging logfile start-seqn, on page 2123](#)
- [show logging logfile start-time, on page 2124](#)
- [show logging loopback, on page 2125](#)
- [show logging module, on page 2126](#)
- [show logging monitor, on page 2127](#)
- [show logging nvram, on page 2128](#)
- [show logging onboard, on page 2129](#)
- [show logging onboard, on page 2130](#)
- [show logging onboard kernel-trace, on page 2133](#)
- [show logging origin-id, on page 2134](#)
- [show logging pending-diff, on page 2135](#)
- [show logging pending, on page 2136](#)
- [show logging rate-limit, on page 2137](#)
- [show logging rfc-strict, on page 2138](#)
- [show logging server, on page 2139](#)
- [show logging session status, on page 2140](#)
- [show logging source-interface, on page 2141](#)
- [show logging status, on page 2142](#)
- [show logging timestamp, on page 2143](#)
- [show login on-failure log, on page 2144](#)
- [show login on-successful log, on page 2145](#)

show l2 mroute

```
show { l2 | fabricpath } mroute { [ vdc-omf ] { [ resolved ] } | [ vlan <vlanid> ] { { [ omf ] | [ flood ] } | [ source
{ <srcaddr> | <v6srcaddr> | <macsrcaddr> } ] [ group { <groupaddr> | <v6groupaddr> | <macgroupaddr> }
] } [ resolved ] [ ftag <ftag-id> ] [ hex ] } } [ __readonly__ [ <hex2> ] { TABLE_gr [ <ftag> ] <vlan_id> [ {
<v4src> <v4grp> <macgrp> | <v6src> <v6grp> <macsrc> } ] [ <omf> | <flood> ] <rt-uptime> <owners>
<num_nh> TABLE_nh { <nh_if> | <nh_sw> } [ <stale> ] [ <exclude> ] [ <svi> ] <flags> <nh-uptime>
<owner> <rt_type> | <done> | <start> } ]
```

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
mroute	Show multicast route database
vdc-omf	(Optional) Display vdc omf route
vlan	(Optional) Show information for a vlan
omf	(Optional) Show catch-all entry consisting of mroute ports
flood	(Optional) Display vlan flood route
ftag	(Optional) Show ftag number
source	(Optional) Show (s, g) source IP address
group	(Optional) Show group address
hex	(Optional) Display switch-ids in hex
<i>vlanid</i>	(Optional) Vlan value
<i>ftag-id</i>	(Optional) ftag id
<i>groupaddr</i>	(Optional) Group address
<i>macgroupaddr</i>	(Optional) MAC Group address
<i>srcaddr</i>	(Optional) Source address
<i>macsrcaddr</i>	(Optional) MAC source address
resolved	(Optional) Resolve switchid nexthops into the underlying interfaces
__readonly__	(Optional) Read Only
<i>hex2</i>	(Optional)
TABLE_gr	(Optional)

<i>vlan_id</i>	(Optional) VLAN
<i>rt-uptime</i>	(Optional) Time route was created
<i>num_nh</i>	(Optional) Number of next-hops
<i>owners</i>	(Optional) Owners
<i>v4src</i>	(Optional) IPv4 Multicast traffic source
<i>v4grp</i>	(Optional) IPv4 Multicast Group address
<i>macsrc</i>	(Optional) MAC Multicast traffic source
<i>macgrp</i>	(Optional) MAC Multicast Group address
<i>ftag</i>	(Optional) ftag id
<i>omf</i>	(Optional) Is OMF route
<i>flood</i>	(Optional) Is flood to vlan route
TABLE_nh	(Optional)
<i>nh_if</i>	(Optional) The next hop interface
<i>nh_sw</i>	(Optional) The next hop switch id
<i>owner</i>	(Optional) Owner
<i>flags</i>	(Optional) flags
<i>nh-uptime</i>	(Optional) Time nexthop was created
<i>rt_type</i>	(Optional) Route type
<i>stale</i>	(Optional) Is stale
<i>exclude</i>	(Optional) exclude from post routing replication
<i>svi</i>	(Optional) SVI interface
<i>done</i>	(Optional) Done displaying route data
<i>start</i>	(Optional) Print header

Command Mode

- /exec

show l2 multicast ftag

```
show { l2 | fabricpath } multicast ftag [ <ftag-id> ] [ __readonly__ TABLE_topo <id> <topo_config>
TABLE_ftag <ftag> <topo_id> <config> ]
```

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
ftag	ftag number
<i>ftag-id</i>	(Optional) ftag id
<i>__readonly__</i>	(Optional) Read Only
TABLE_topo	(Optional)
<i>id</i>	(Optional) topo id
<i>topo_config</i>	(Optional) program ftag star route
TABLE_ftag	(Optional)
<i>ftag</i>	(Optional) ftag
<i>topo_id</i>	(Optional) topo id
<i>config</i>	(Optional) ftag config

Command Mode

- /exec

show l2 multicast trees

```
show { l2 | fabricpath } multicast trees [ topo <topo-id> ] [ ftag <ftag-id> ] [ hex ] [ __readonly__ [ <hex2> ] ] { TABLE_swid <ftag> <topo_id> <sw_id> <rt-uptime> <owners> <num_nh> TABLE_nh [ <preferred> ] { <nh_if> | <nh_sw> } [ <stale> ] <distance> <nh-uptime> <owner> <flags> <rt_type> | <start> | <done> } ]
```

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
trees	Show the broadcast/multicast tree database
topo	(Optional) Show topo instance
ftag	(Optional) Show ftag number
hex	(Optional) Display switch-ids in hex
<i>topo-id</i>	(Optional) topo id
<i>ftag-id</i>	(Optional) ftag id
<i>__readonly__</i>	(Optional) Read Only
<i>hex2</i>	(Optional)
TABLE_swid	(Optional)
<i>sw_id</i>	(Optional) switch id
<i>topo_id</i>	(Optional) topo id
<i>ftag</i>	(Optional) ftag id
<i>rt-uptime</i>	(Optional) Time route was created
<i>num_nh</i>	(Optional) Number of next-hops
<i>owners</i>	(Optional) Owners
TABLE_nh	(Optional)
<i>preferred</i>	(Optional) Is preferred interface
<i>nh_if</i>	(Optional) The next hop interface
<i>nh_sw</i>	(Optional) The next hop switch id

<i>owner</i>	(Optional) Owner
<i>flags</i>	(Optional) flags
<i>rt_type</i>	(Optional) Route type
<i>nh-uptime</i>	(Optional) Time nexthop was created
<i>distance</i>	(Optional) admin distance
<i>stale</i>	(Optional) Is stale
<i>start</i>	(Optional)
<i>done</i>	(Optional)

Command Mode

- /exec

show l2 route

```
show { l2 | fabricpath } route [ topology { <topo_val> [ switchid <switchid> ] | all } | switchid <switchid> ]
[ detail | hex ] + [ __readonly__ <line_marker> <is_hex> { TABLE_route <topo_id> <ftag_value> <swid>
<sswid> <num_paths> { TABLE_path <path_str> <admin_distance> <metric> <time> <time_detail> <uuid>
} } ]
```

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
route	Show FabricPath route information
topology	(Optional) topology
<i>topo_val</i>	(Optional) topology value
switchid	(Optional) switchid
<i>switchid</i>	(Optional) switchid value
all	(Optional) all topologies
detail	(Optional) detail
hex	(Optional) display in hex
<i>__readonly__</i>	(Optional) Read Only
<i>line_marker</i>	(Optional) line marker
<i>is_hex</i>	(Optional) print in hex
TABLE_route	(Optional) Route delimiter
<i>topo_id</i>	(Optional) topo-id value
<i>ftag_value</i>	(Optional) ftag value
<i>swid</i>	(Optional) switch-id
<i>sswid</i>	(Optional) sub-switch id
<i>num_paths</i>	(Optional) num of paths
TABLE_path	(Optional) Path delimiter
<i>path_str</i>	(Optional) paths
<i>admin_distance</i>	(Optional) admin distance

<i>metric</i>	(Optional) metric
<i>time</i>	(Optional) time
<i>time_detail</i>	(Optional) time_detail
<i>uuid</i>	(Optional) uuid

Command Mode

- /exec

show l2rib clients

```
show l2rib clients [ <client_id> ] [ __readonly__ TABLE_l2rib_clients <client-id> <uuid> <process-suffix> ]
```

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
clients	L2RIB Clients
<i>client_id</i>	(Optional) Enter Client ID
<i>__readonly__</i>	(Optional)
<i>TABLE_l2rib_clients</i>	(Optional) L2RIB Clients Table
<i>client-id</i>	(Optional) Client ID
<i>uuid</i>	(Optional) Process ID
<i>process-suffix</i>	(Optional) Process Name Suffix

Command Mode

- /exec

show l2rib producers

```
show l2rib producers [ { topology | mac | mac-ip | ead | pl | imet | flood-list | startup-route | peerid | es |
topo-child-attr } [ static | local | bgp | vxlan | hmm | arp | ofa | lisp ] ] [ detail ] [ __readonly__
TABLE_l2rib_producers <prod-name> <prod-id> <client-id> <obj-type> <admin-dist> <purge-time> <state>
[ <prod-flags> ] ]
```

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
producers	L2RIB Producers
detail	(Optional) Detailed information
topology	(Optional) Filter on Topology
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
peerid	(Optional) Filter on Peerid
es	(Optional) Filter on ES
static	(Optional) Static
local	(Optional) Local
bgp	(Optional) BGP
vxlan	(Optional) VXLAN
hmm	(Optional) HMM
arp	(Optional) ARP
ofa	(Optional) OFA
lisp	(Optional) lisp
topo-child-attr	(Optional) Filter on Topo child attr

<i>__readonly__</i>	(Optional)
TABLE_l2rib_producers	(Optional) L2RIB Producers Table
<i>prod-name</i>	(Optional) Producer Name
<i>prod-id</i>	(Optional) Producer ID
<i>client-id</i>	(Optional) Client ID
<i>obj-type</i>	(Optional) Object Type
<i>admin-dist</i>	(Optional) Admin Distance
<i>purge-time</i>	(Optional) Purge Time
<i>state</i>	(Optional) State
<i>prod-flags</i>	(Optional) Global Producer Flags

Command Mode

- /exec

show l2rib registrations

```
show l2rib registrations [ client <client_id> [ <topo_id> { mac | mac-ip | ead | pl | imet | flood-list |
local-learn-signal | startup-route | topo | es | topo-child-attr } ] ] [ __readonly__ TABLE_l2rib_registrations
<client-id> <topo-id> <obj-type> <prod> ]
```

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
registrations	L2RIB Registrations
client	(Optional) Global Registraion Entries
<i>client_id</i>	(Optional) Enter Client ID
<i>topo_id</i>	(Optional) Enter Topology ID
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
es	(Optional) Filter on Ethernet Segment ID
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
local-learn-signal	(Optional) Filter on Local Learn Signal
topo	(Optional) Filter on Topo Subtype
topo-child-attr	(Optional) Filter on Topo Chil Attr
__readonly__	(Optional)
TABLE_l2rib_registrations	(Optional) L2RIB Registrations Table
<i>client-id</i>	(Optional) Client ID
<i>topo-id</i>	(Optional) Topology ID
<i>obj-type</i>	(Optional) Object Type
<i>prod</i>	(Optional) Producer

Command Mode

- /exec

show l2route cmcast topology

```
show l2route cmcast { topology <topo-id> | all } [ detail ] [ __readonly__ TABLE_l2route_cmcast <topo-id>
<src-ip-addr> <grp-ip-addr> <peer-ip-addr> [ <peer-type> ] [ <prod-type> ] [ <peer-id> ] [ <vrf-id> ] [
<l3vni-id> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
cmcast	CMCAST Route
topology	Filter on topology ID
<i>topo-id</i>	topology ID
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_cmcast	(Optional) L2RIB CMCAST Table
<i>topo-id</i>	(Optional) Topology ID
<i>src-ip-addr</i>	(Optional) SRC IP Address
<i>grp-ip-addr</i>	(Optional) GRP IP Address
<i>peer-ip-addr</i>	(Optional) PEER IP Address
<i>peer-type</i>	(Optional) Peer Type
<i>prod-type</i>	(Optional) Producer Type
<i>peer-id</i>	(Optional) Peer ID
<i>vrf-id</i>	(Optional) VRF ID
<i>l3vni-id</i>	(Optional) L3VNI ID

Command Mode

- /exec

show l2route evpn ead all

```
show l2route evpn ead all [ detail ] [ __readonly__ TABLE_l2route_evpn_ead_all <topo-id> <prod> <esi>
<client-nfn> <num_pls> <flags> [ { <next-hop> } ] + ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ead	EAD
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_evpn_ead_all	(Optional) L2RIB EVPN EAD All Table
<i>topo-id</i>	(Optional) Topology ID
<i>prod</i>	(Optional) Producer
<i>esi</i>	(Optional) ESI
<i>client-nfn</i>	(Optional) Client Notification Bitmap
<i>num_pls</i>	(Optional) Number of Path lists
<i>flags</i>	(Optional) Flags
<i>next-hop</i>	(Optional) Next Hop

Command Mode

- /exec

show l2route evpn ethernet-segment esi

```
show l2route evpn ethernet-segment { esi <esi-id> | all } [ bgp | vxlan ] [ detail ] [ __readonly__
TABLE_l2route_es <ethernet-segment> <originating-rtr> <prod-name> <int-ifhdl> <client-nfn> ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ethernet-segment	Ethernet Segment ID
esi	ESI Value
<i>esi-id</i>	ESI ID
all	Display all entries without filtering
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_es	(Optional) L2RIB ES Table
<i>ethernet-segment</i>	(Optional) ESI
<i>originating-rtr</i>	(Optional) Originating Router
<i>prod-name</i>	(Optional) Producer Name
<i>int-ifhdl</i>	(Optional) Interface Handle
<i>client-nfn</i>	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn fl all

```
show l2route evpn fl all [ detail ] [ __readonly__ TABLE_l2route_fl_all <topo-id> <peer-id> <flood-list>
<egress-vni> <is-service-node> [ <client-nfn> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
fl	Flood List
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_fl_all	(Optional) L2RIB Flood List All Table
<i>topo-id</i>	(Optional) Topology ID
<i>peer-id</i>	(Optional) Peer-ID
<i>flood-list</i>	(Optional) Flood List
<i>egress-vni</i>	(Optional) Egress VNI
<i>is-service-node</i>	(Optional) Is Service Node
<i>client-nfn</i>	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn fl evi

```
show l2route evpn fl evi <vpn-id> [ detail ] [ __readonly__ TABLE_l2route_fl <peer-id> <flood-list>
<egress-vni> <is-service-node> [ <client-nfn> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
fl	Flood List
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information
<i>__readonly__</i>	(Optional)
<i>TABLE_l2route_fl</i>	(Optional) L2RIB Flood List Table
<i>peer-id</i>	(Optional) Peer-ID
<i>flood-list</i>	(Optional) Flood List
<i>egress-vni</i>	(Optional) Egress VNI
<i>is-service-node</i>	(Optional) Is Service Node
<i>client-nfn</i>	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn imet all

```
show l2route evpn imet all [ detail ] [ __readonly__ TABLE_l2route_imet_all <topo-id> <vni> <prod-type>
<ip-addr> [ <eth-tag-id> ] [ <pmsi-flags> ] [ <flags> ] [ <type> ] [ <vni-label> ] [ <tunnel-id> ] [ <client-nfn>
]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
imet	IMET Route
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_imet_all	(Optional) L2RIB IMET All Table
<i>topo-id</i>	(Optional) Topology ID
<i>vni</i>	(Optional) VNI
<i>prod-type</i>	(Optional) Producer Type
<i>ip-addr</i>	(Optional) IP Address
<i>eth-tag-id</i>	(Optional) Ethernet Tag ID
<i>pmsi-flags</i>	(Optional) PMSI Flags
<i>flags</i>	(Optional) Flags
<i>type</i>	(Optional) Type
<i>vni-label</i>	(Optional) VNI Label
<i>tunnel-id</i>	(Optional) Tunnel ID
<i>client-nfn</i>	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn imet evi

```
show l2route evpn imet evi { <vpn-id> | vni <vnid> } [ bgp | vxlan ] [ detail ] [ __readonly__
TABLE_l2route_imet <vni> <prod-type> <ip-addr> [ <eth-tag-id> ] [ <pmsi-flags> ] [ <flags> ] [ <type> ]
[ <vni-label> ] [ <tunnel-id> ] [ <client-nfn> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
imet	IMET Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
vni	Filter on VNI
<i>vnid</i>	VNI
bgp	(Optional) Filter on BGP producer (remote imet routes)
vxlan	(Optional) Filter on VXLAN producer (local imet routes)
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_imet	(Optional) L2RIB IMET Table
<i>vni</i>	(Optional) VNI
<i>prod-type</i>	(Optional) Producer Type
<i>ip-addr</i>	(Optional) IP Address
<i>eth-tag-id</i>	(Optional) Ethernet Tag ID
<i>pmsi-flags</i>	(Optional) PMSI Flags
<i>flags</i>	(Optional) Flags
<i>type</i>	(Optional) Type
<i>vni-label</i>	(Optional) VNI Label
<i>tunnel-id</i>	(Optional) Tunnel ID
<i>client-nfn</i>	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn mac-ip all

```
show l2route evpn mac-ip all [ detail ] [ __readonly__ TABLE_l2route_mac_ip_all <topo-id> <mac-addr>
<host-ip> <prod-type> <flags> <seq-num> <next-hop1> [ <next-hop2> ] [ <l3-info> ] [ <fwd-state> ] [
<rte-res> ] [ <sent-to> ] [ <peerid> ] [ <peer-ifindex> ] [ <esi-id> ] [ <soo> ] [ <pcinfo> ] [ <vrf-id> ] [
<encap-type> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac-ip	MAC-IP Route
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_ip_all	(Optional) L2RIB Mac-IP All Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>host-ip</i>	(Optional) Host IP
<i>prod-type</i>	(Optional) Producer Type
<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>l3-info</i>	(Optional) L3 Information
<i>fwd-state</i>	(Optional) Forwarding State
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>peerid</i>	(Optional) Peer ID
<i>peer-ifindex</i>	(Optional) Peer Interface Index
<i>esi-id</i>	(Optional) ESI ID

<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>vrf-id</i>	(Optional) vrf id associated with route
<i>encap-type</i>	(Optional) Overlay encap type

Command Mode

- /exec

show l2route evpn mac-ip evi

```
show l2route evpn mac-ip evi <vpn-id> [ arp | bgp | hmm ] [ mac <mac_addr> ] [ host-ip { <ipv4_host> |
<ipv6_host> } ] [ next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> } ] [ detail ] [ __readonly__
TABLE_l2route_mac_ip_evi <topo-id> <mac-addr> <host-ip> <prod-type> <flags> <seq-num> <next-hop1>
[ <next-hop2> ] [ <l3-info> ] [ <fwd-state> ] [ <rte-res> ] [ <sent-to> ] [ <peerid> ] [ <peer-ifindex> ] [ <esi-id>
] [ <soo> ] [ <pcinfo> ] [ <vrf-id> ] [ <encap-type> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac-ip	MAC-IP Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
arp	(Optional) Filter on ARP producer
bgp	(Optional) Filter on BGP producer
hmm	(Optional) Filter on HMM producer
mac	(Optional) Filter on MAC address
<i>mac_addr</i>	(Optional) 48-bit MAC address value
host-ip	(Optional) Filter on Host IP address
<i>ipv4_host</i>	(Optional) IPv4 address
next-hop	(Optional) Filter on Next-Hop IP or Interface Name
<i>ipv4_addr</i>	(Optional) IPv4 address of Next Hop
<i>if-hdl</i>	(Optional) Interface index of Next Hop
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_ip_evi	(Optional) L2RIB Mac-IP Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>host-ip</i>	(Optional) Host IP
<i>prod-type</i>	(Optional) Producer Type

<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>l3-info</i>	(Optional) L3 Information
<i>fwd-state</i>	(Optional) Forwarding State
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>peerid</i>	(Optional) Peer ID
<i>peer-ifindex</i>	(Optional) Peer Interface Index
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>vrf-id</i>	(Optional) vrf-id associated with route
<i>encap-type</i>	(Optional) Overlay encap type

Command Mode

- /exec

show l2route evpn mac all

```
show l2route evpn mac all [ detail ] [ __readonly__ TABLE_l2route_mac_all <topo-id> <mac-addr>
<prod-type> <flags> <seq-num> <next-hop1> [ <next-hop2> ] [ <rte-res> ] [ <fwd-state> ] [ <res-pl-next-hop1>
] [ <res-pl-next-hop2> ] [ <sent-to> ] [ <esi-id> ] [ <soo> ] [ <pcinfo> ] [ <encap-type> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac	MAC Route
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_all	(Optional) L2RIB Mac All Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>prod-type</i>	(Optional) Producer Type
<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>fwd-state</i>	(Optional) Forwarding State
<i>res-pl-next-hop1</i>	(Optional) Resultant PL Next hop 1
<i>res-pl-next-hop2</i>	(Optional) Resultant PL Next hop 2
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>encap-type</i>	(Optional) Overlay encap type
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2

Command Mode

- /exec

show l2route evpn mac evi

```
show l2route evpn mac evi { <vpn-id> | vni <vnid> } [ static | local | bgp | vxlan | lisp ] [ mac <mac_addr> ]
[ next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> } ] [ esi <esi-id> ] [ detail ] [ __readonly__
TABLE_l2route_mac_evi <topo-id> <mac-addr> <prod-type> <flags> <seq-num> <next-hop1> [ <next-hop2>
] [ <rte-res> ] [ <fwd-state> ] [ <res-pl-next-hop1> ] [ <res-pl-next-hop2> ] [ <sent-to> ] [ <esi-id> ] [ <soo>
] [ <pcinfo> ] [ <encap-type> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac	MAC Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
vni	Filter on VNI
<i>vnid</i>	VNI
static	(Optional) Filter on Static producer
local	(Optional) Filter on Local producer
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
lisp	(Optional) Filter on LISP producer
mac	(Optional) Filter on MAC address
esi	(Optional) Filter on ESI value
<i>mac_addr</i>	(Optional) Enter 48-bit MAC address value
next-hop	(Optional) Filter on Next-Hop IP or Interface Name
<i>ipv4_addr</i>	(Optional) IPv4 address of Next Hop
<i>if-hdl</i>	(Optional) Interface index of Next Hop
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_evi	(Optional) L2RIB Mac EVI Table
<i>topo-id</i>	(Optional) Topology ID

<i>mac-addr</i>	(Optional) Mac Address
<i>prod-type</i>	(Optional) Producer Type
<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>fwd-state</i>	(Optional) Forwarding State
<i>res-pl-next-hop1</i>	(Optional) Resultant PL Next hop 1
<i>res-pl-next-hop2</i>	(Optional) Resultant PL Next hop 2
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>encap-type</i>	(Optional) Overlay encap-type

Command Mode

- /exec

show l2route evpn path-list all

```
show l2route evpn path-list { all | esi <esi-id> } [ detail ] [ __readonly__ TABLE_l2route_evpn_pathlist_all
<topo-id> <prod> <esi> <ecmp_label> [ <evpn-flags> ] [ <client_ctx> ] [ <mac-cnt> ] [ <client-nfn> ] [ {
<cp-next-hop> } ] + [ { <gbl-ead-next-hop> } ] + [ { <res-next-hop> } ] + [ { <res-ufdm-next-hop> } ] + ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
path-list	Path-List
all	Display all routes without filtering
esi	ESI Value
<i>esi-id</i>	ESI ID
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_evpn_pathlist_all	(Optional) L2RIB EVPN Pathlist all Table
<i>topo-id</i>	(Optional) Topology ID
<i>prod</i>	(Optional) Producer
<i>esi</i>	(Optional) ESI
<i>ecmp_label</i>	(Optional) ECMP label
<i>evpn-flags</i>	(Optional) Flags
<i>client_ctx</i>	(Optional) Client context
<i>mac-cnt</i>	(Optional) Mac count
<i>client-nfn</i>	(Optional) Client Notification Bitmap
<i>cp-next-hop</i>	(Optional) Control plane Next hops
<i>gbl-ead-next-hop</i>	(Optional) Global EAD Next hops
<i>res-next-hop</i>	(Optional) Resultant Next hops
<i>res-ufdm-next-hop</i>	(Optional) Resultant Next hops from UFDM

Command Mode

- /exec

show l2route evpn startup-route all

```
show l2route evpn startup-route all [ detail ] [ __readonly__ TABLE_l2route_startup_route_all <topo-id>
<src-group> <del-src-group> [ <src-lpbk-ifhdl> ] [ <nve-ifhdl> ] [ <evpn-flags> ] [ <client-nfn> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
startup-route	Startup Route
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_startup_route_all	(Optional) L2RIB Startup-Route All Table
<i>topo-id</i>	(Optional) Topology ID
<i>src-group</i>	(Optional) Source Group
<i>del-src-group</i>	(Optional) Delivery Source Group
<i>src-lpbk-ifhdl</i>	(Optional) Source Loopback Interface Handle
<i>nve-ifhdl</i>	(Optional) NVE Interface Handle
<i>evpn-flags</i>	(Optional) Flags
<i>client-nfn</i>	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn startup-route evi

```
show l2route evpn startup-route evi <vpn-id> [ detail ] [ __readonly__ TABLE_l2route_startup_route
<src-group> <del-src-group> [ <src-lpbk-ifhdl> ] [ <nve-ifhdl> ] [ <evpn-flags> ] [ <client-nfn> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
startup-route	Startup Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information
<i>__readonly__</i>	(Optional)
TABLE_l2route_startup_route	(Optional) L2RIB Startup-Route Table
<i>src-group</i>	(Optional) Source Group
<i>del-src-group</i>	(Optional) Delivery Source Group
<i>src-lpbk-ifhdl</i>	(Optional) Source Loopback Interface Handle
<i>nve-ifhdl</i>	(Optional) NVE Interface Handle
<i>evpn-flags</i>	(Optional) Flags
<i>client-nfn</i>	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn topo-child-attr all

```
show l2route evpn topo-child-attr all [ detail ] [ __readonly__ TABLE_l2route_topo_child_attr <topo-id> [
<flags> ] [ <type> ] [ <l3vni> ] [ <vrf-id> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
topo-child-attr	Topo Child Attr
all	Display all topo-child-attr entries
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_topo_child_attr	(Optional) L2RIB Topo Child Attr Table
<i>topo-id</i>	(Optional) Topology ID
<i>flags</i>	(Optional) Flags
<i>type</i>	(Optional) Type
<i>l3vni</i>	(Optional) L3VNI
<i>vrf-id</i>	(Optional) VRFID

Command Mode

- /exec

show l2route evpn topo-child-attr evi

```
show l2route evpn topo-child-attr evi <vpn-id> [ detail ] [ __readonly__ TABLE_l2route_topo_child_attr
<topo-id> [ <flags> ] [ <type> ] [ <l3vni> ] [ <vrf-id> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
topo-child-attr	Topo Child Attr
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_topo_child_attr	(Optional) L2RIB Topo Child Attr Table
<i>topo-id</i>	(Optional) Topology ID
<i>flags</i>	(Optional) Flags
<i>type</i>	(Optional) Type
<i>l3vni</i>	(Optional) L3VNI
<i>vrf-id</i>	(Optional) VRFID

Command Mode

- /exec

show l2route fl topology

```
show l2route fl { topology <topo-id> | all } [ detail ] [ __readonly__ TABLE_l2route_fl [ <topo-id> ] <peer-id>
<flood-list> <egress-vni> <is-service-node> [ <client-nfn> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
fl	Flood List
all	Display all routes without filtering
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information
<i>__readonly__</i>	(Optional)
TABLE_l2route_fl	(Optional) L2RIB Flood List Table
<i>topo-id</i>	(Optional) Topology ID
<i>peer-id</i>	(Optional) Peer-ID
<i>flood-list</i>	(Optional) Flood List
<i>egress-vni</i>	(Optional) Egress VNI
<i>is-service-node</i>	(Optional) Is Service Node
<i>client-nfn</i>	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route peerid

```
show l2route peerid [ __readonly__ TABLE_l2route_peerid <if-hdl> <ip-addr> <peer-id> <if-idx> <num-macs>
<num-nhs> ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
peerid	Display Peer ID DB
__readonly__	(Optional)
TABLE_l2route_peerid	(Optional) L2RIB Peer-ID Table
<i>if-hdl</i>	(Optional) Interface Handle
<i>ip-addr</i>	(Optional) IP Address
<i>if-idx</i>	(Optional) Peer Interface Index
<i>peer-id</i>	(Optional) Peer-ID
<i>num-macs</i>	(Optional) Number of Macs
<i>num-nhs</i>	(Optional) Number of NHs

Command Mode

- /exec

show l2route summary

```
show l2route summary [ __readonly__ { <total_memory> <numof_converged_tables> [ {
TABLE_l2route_summary <table_name> { TABLE_producer <producer_name> <id> <objects> <memory>
} <total><total_obj><total_mem> } ] } ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
summary	Summary
<i>__readonly__</i>	(Optional) Read only
<i>total_memory</i>	(Optional) Total memory
<i>numof_converged_tables</i>	(Optional) Number of converged tables
TABLE_l2route_summary	(Optional) L2route summary table
<i>table_name</i>	(Optional) Table name
TABLE_producer	(Optional) Producer table
<i>producer_name</i>	(Optional) Producer name
<i>id</i>	(Optional) id
<i>objects</i>	(Optional) objects
<i>memory</i>	(Optional) Memory

Command Mode

- /exec

show l2route topology

```
show l2route topology [ <topo_id> ] [ detail ] [ __readonly__ TABLE_l2route_topology <topo-id> <topo-name>
<topo-type> [ <vni> ] [ <evi> ] [ <encap-type> ] [ <iod> ] [ <if-hdl> ] [ <vtep-ip> ] [ <emulated-ip> ] [
<emulated-ro-ip> ] [ <tx-id> ] [ <rcvd-flag> ] [ <rmac> ] [ <vrf-id> ] [ <vmac> ] [ <vmac-ro> ] [ <flags> ] [
<sub-flags> ] [ <prev-flags> ] [ <topo-state> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
topology	Display topology IDs
<i>topo_id</i>	(Optional) Enter Topology ID
detail	(Optional) Detailed information
<i>__readonly__</i>	(Optional)
TABLE_l2route_topology	(Optional) L2RIB Topology Table
<i>topo-id</i>	(Optional) Topology ID
<i>topo-name</i>	(Optional) Topology Name
<i>topo-type</i>	(Optional) Topology Type
<i>vni</i>	(Optional) VNI
<i>evi</i>	(Optional) EVI
<i>encap-type</i>	(Optional) Encap Type
<i>iod</i>	(Optional) IOD
<i>if-hdl</i>	(Optional) Interface Handle
<i>vtep-ip</i>	(Optional) VTEP IP Address
<i>emulated-ip</i>	(Optional) Emulated VTEP IP Address
<i>emulated-ro-ip</i>	(Optional) Emulated RO VTEP IP Address
<i>tx-id</i>	(Optional) Transaction ID for Topology Ack
<i>rcvd-flag</i>	(Optional) Flag to Indicate Topology Ack
<i>rmac</i>	(Optional) Local Router MAC (For L3 VNIs)
<i>vrf-id</i>	(Optional) VRF ID (For L3 VNIs)
<i>vmac</i>	(Optional) Local Virtual MAC (For L3 VNIs)

<i>vmac-ro</i>	(Optional) Local Virtual MAC Re-Orig(For Multi-site)
<i>flags</i>	(Optional) Flags
<i>sub-flags</i>	(Optional) Sub Flags
<i>prev-flags</i>	(Optional) Previous Flags
<i>topo-state</i>	(Optional) Topology State

Command Mode

- /exec

show l2route topology

```
show l2route { mac | openflow mac | dataplane mac [ local | remote ] } { topology <topo-id> | all } [ detail ]
[ __readonly__ TABLE_l2route_mac <topo-id> <mac-addr> <prod-type> <flags> <seq-num> <next-hop1>
[ <next-hop2> ] [ <rte-res> ] [ <fwd-state> ] [ <res-pl-next-hop1> ] [ <res-pl-next-hop2> ] [ <sent-to> ] [
<esi-id> ] [ <soo> ] [ <pcinfo> ] [ <encap-type> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
dataplane	dataplane
openflow	openflow
mac	MAC Route
all	Display all routes without filtering
local	(Optional) dataplane learnt local routes
remote	(Optional) dataplane learnt remote routes
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information
<i>__readonly__</i>	(Optional)
TABLE_l2route_mac	(Optional) L2RIB Mac All Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>prod-type</i>	(Optional) Producer Type
<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>fwd-state</i>	(Optional) Forwarding State
<i>res-pl-next-hop1</i>	(Optional) Resultant PL Next hop1
<i>res-pl-next-hop2</i>	(Optional) Resultant PL Next hop2

<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>encap-type</i>	(Optional) Overlay encap type

Command Mode

- /exec

show l2route topology

```
show l2route { mac-ip | openflow mac-ip } { topology <topo-id> | all } [ detail ] [ __readonly__
TABLE_l2route_mac_ip <topo-id> <mac-addr> <host-ip> <prod-type> <flags> <seq-num> <next-hop1> [
<next-hop2> ] [ <l3-info> ] [ <fwd-state> ] [ <rte-res> ] [ <sent-to> ] [ <peerid> ] [ <peer-ifindex> ] [ <esi-id>
] [ <soo> ] [ <pcinfo> ] [ <vrf-id> ] [ <encap-type> ] ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
mac-ip	MAC-IP Route
all	Display all routes without filtering
openflow	openflow
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_ip	(Optional) L2RIB Mac-IP Table
<i>topo-id</i>	(Optional) Topology ID
<i>mac-addr</i>	(Optional) Mac Address
<i>host-ip</i>	(Optional) Host IP
<i>prod-type</i>	(Optional) Producer Type
<i>flags</i>	(Optional) Flags
<i>seq-num</i>	(Optional) Sequence Number
<i>next-hop1</i>	(Optional) Next Hop 1
<i>next-hop2</i>	(Optional) Next Hop 2
<i>l3-info</i>	(Optional) L3 Information
<i>fwd-state</i>	(Optional) Forwarding State
<i>rte-res</i>	(Optional) Route Resolution
<i>sent-to</i>	(Optional) Active Clients
<i>peerid</i>	(Optional) Peer ID

<i>peer-ifindex</i>	(Optional) Peer Interface Index
<i>esi-id</i>	(Optional) ESI ID
<i>soo</i>	(Optional) SOO
<i>pcinfo</i>	(Optional) Port-Channel Info
<i>vrf-id</i>	(Optional) vrf-id associated with route
<i>encap-type</i>	(Optional) Ovaerlay encap type

Command Mode

- /exec

show lacp counters

```
show lacp counters [ interface <if0> ] [ detail ] [ __readonly__ TABLE_interface <interface> TABLE_member
<port> <pdu-sent> <pdu-rcvd> <marker-rcvd> <marker-resp-sent> [ <marker-sent> ] [ <marker-resp-rcvd>
] <pkt-errors> [ <pdu-timeout-count> ] [ <flap-count> ] [ <illegal-rcvd> ] [ <unknown-rcvd> ] ]
```

Syntax Description

show	Show running system information
lacp	LACP protocol
counters	LACP counters
interface	(Optional) Specify a port-channel
detail	(Optional) For more counters
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_interface	(Optional) Port channel table
<i>interface</i>	(Optional) Port channel
TABLE_member	(Optional) Member port info
<i>port</i>	(Optional) Member port
<i>pdu-sent</i>	(Optional) Number of PDUs sent
<i>pdu-rcvd</i>	(Optional) Number of PDUs received
<i>marker-sent</i>	(Optional) Number of Marker PDUs sent
<i>marker-rcvd</i>	(Optional) Number of Marker PDUs received
<i>marker-resp-sent</i>	(Optional) Number of Marker response PDUs sent
<i>marker-resp-rcvd</i>	(Optional) Number of Marker response PDUs received
<i>pkt-errors</i>	(Optional) Number of packet errors
<i>illegal-rcvd</i>	(Optional) Number of illegal packets received
<i>unknown-rcvd</i>	(Optional) Number of unknown packets received
<i>pdu-timeout-count</i>	(Optional) Number of PDU timeouts
<i>flap-count</i>	(Optional) Number of flaps

Command Mode

- /exec

show lacp interface

```
show lacp interface [ <if0> ] [ __readonly__ { TABLE_lacp_intf <interface> <operational-state>
<channel-group> <port-channel> <pdis-sent> <pdis-rcvd> <marker-sent> <marker-rcvd> <marker-rcp-sent>
<marker-rcp-rcvd> <unknown-rcvd> <illegal-rcvd> <lag-id> <active-time> { localport <local-interface>
<local-mac-address> <local-system-priority> <local-port-priority> <local-port-num> <local-op-key>
<local-activity> <local-timeout> <local-sync> <local-collecting> <local-distributing> <partner-info-timeout>
<local-admin-state> <local-oper-state> } { partnerport <partner-interface> <partner-mac-address>
<partner-system-priority> <partner-port-priority> <partner-port-num> <partner-op-key> <partner-activity>
<partner-timeout> <partner-sync> <partner-collecting> <partner-distributing> <partner-admin-state>
<partner-oper-state> } <agg-or-indiv> } ]
```

Syntax Description

show	Show running system information
lacp	LACP protocol
interface	Specify a interface
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_lacp_intf	(Optional) Table of LACP interfaces
<i>interface</i>	(Optional) Interface ID
<i>channel-group</i>	(Optional) Channel Group
<i>port-channel</i>	(Optional) Port Channel
<i>lag-id</i>	(Optional) LAG Id
<i>active-time</i>	(Optional) active-time
<i>operational-state</i>	(Optional) Operational State
<i>agg-or-indiv</i>	(Optional) Aggregate or individual port
<i>pdis-rcvd</i>	(Optional) PDUs received
<i>pdis-sent</i>	(Optional) PDUs sent
<i>marker-rcvd</i>	(Optional) Markers received
<i>marker-sent</i>	(Optional) Markers sent
<i>marker-rcp-rcvd</i>	(Optional) Marker response received
<i>marker-rcp-sent</i>	(Optional) Marker response sent
<i>unknown-rcvd</i>	(Optional) Unknown pdus received

<i>illegal-rcvd</i>	(Optional) Illegal pdus received
localport	(Optional) Local port information
<i>local-interface</i>	(Optional) Interface
<i>local-mac-address</i>	(Optional) MAC Address
<i>local-system-priority</i>	(Optional) System Priority
<i>local-port-priority</i>	(Optional) Port Priority
<i>local-port-num</i>	(Optional) Port Number
<i>local-op-key</i>	(Optional) Operational Key
<i>local-admin-state</i>	(Optional) Local Admin State
<i>local-oper-state</i>	(Optional) Local Oper State
<i>local-activity</i>	(Optional) Mode
<i>local-timeout</i>	(Optional) Timeout
<i>local-sync</i>	(Optional) Synchronization
<i>local-distributing</i>	(Optional) Distributing
<i>local-collecting</i>	(Optional) Collecting
<i>partner-info-timeout</i>	(Optional) Partner information refresh timeout
partnerport	(Optional) Partner port information
<i>partner-interface</i>	(Optional) Partner Interface
<i>partner-mac-address</i>	(Optional) Partner MAC Address
<i>partner-system-priority</i>	(Optional) Partner System Priority
<i>partner-port-priority</i>	(Optional) Partner Port Priority
<i>partner-port-num</i>	(Optional) Partner Port Number
<i>partner-op-key</i>	(Optional) Operational Key
<i>partner-admin-state</i>	(Optional) Partner Admin State
<i>partner-oper-state</i>	(Optional) Partner Oper State
<i>partner-activity</i>	(Optional) Mode
<i>partner-timeout</i>	(Optional) Timeout
<i>partner-sync</i>	(Optional) Synchronization
<i>partner-distributing</i>	(Optional) Distributing

<i>partner-collecting</i>	(Optional) Collecting
---------------------------	-----------------------

Command Mode

- /exec

show lacp issu-impact

```
show lacp issu-impact [ __readonly__ TABLE_interface <interface> [ <failed_interface> ] [ <intf_issu_ready> ] ]
```

Syntax Description

show	Show running system information
lacp	Show LACP information
issu-impact	Check for ISSU readiness
__readonly__	(Optional)
TABLE_interface	(Optional) Port-channel issu-impact member list
<i>interface</i>	(Optional) Port-channel Member
<i>failed_interface</i>	(Optional) ISSU failed interface
<i>intf_issu_ready</i>	(Optional) interfaces ready for issu

Command Mode

- /exec

show lacp neighbor

```
show lacp neighbor [ interface <if0> ] [ __readonly__ TABLE_interface <interface> TABLE_member <port>
<partner-system-id> <partner-port-num> <partner-age> <partner-flags> <partner-port-priority>
<partner-oper-key> <partner-port-state> ]
```

Syntax Description

show	Show running system information
lacp	LACP protocol
neighbor	LACP interface neighbor
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_interface	(Optional) Port channel table
<i>interface</i>	(Optional) Port channel
TABLE_member	(Optional) Member port info
<i>port</i>	(Optional) Member port
<i>partner-system-id</i>	(Optional) Partner System ID
<i>partner-port-num</i>	(Optional) Partner Port Number
<i>partner-age</i>	(Optional) Partner age
<i>partner-flags</i>	(Optional) Partner flags
<i>partner-port-priority</i>	(Optional) Partner Port Priority
<i>partner-oper-key</i>	(Optional) Partner oper key
<i>partner-port-state</i>	(Optional) Partner port state

Command Mode

- /exec

show lacp port-channel

```
show lacp port-channel [ interface <if0> ] [ __readonly__ TABLE_interface <interface> <aggr-mac-address>
<local-system-priority> <local-system-id> <local-admin-key> <local-oper-key> <partner-system-priority>
<partner-system-id> <partner-oper-key> <max-delay> <agg-or-indiv> { <port-list> } + ]
```

Syntax Description

show	Show running system information
lacp	LACP protocol
port-channel	LACP port-channels
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional)
<i>TABLE_interface</i>	(Optional) Port channel table
<i>interface</i>	(Optional) Port channel
<i>aggr-mac-address</i>	(Optional) Mac Address of aggregator
<i>local-system-priority</i>	(Optional) Local System Priority
<i>local-system-id</i>	(Optional) Local System-Id
<i>local-admin-key</i>	(Optional) Local admin key
<i>local-oper-key</i>	(Optional) Local oper key
<i>partner-system-priority</i>	(Optional) Partner System Priority
<i>partner-system-id</i>	(Optional) Partner System-Id
<i>partner-oper-key</i>	(Optional) Partner oper key
<i>max-delay</i>	(Optional) Maximum delay between aggregator and mac-client
<i>agg-or-indiv</i>	(Optional) Aggregate or individual port
<i>port-list</i>	(Optional) List of port names for member ports

Command Mode

- /exec

show lacp system-identifier

```
show lacp system-identifier [ __readonly__ <system-priority> <system-mac> ]
```

Syntax Description

show	Show running system information
lacp	LACP protocol
system-identifier	Show system-identifier information
__readonly__	(Optional)
<i>system-priority</i>	(Optional) System priority
<i>system-mac</i>	(Optional) System mac address

Command Mode

- /exec

show lcnd dot1x address

show lcnd dot1x address { <macaddr> | all }

Syntax Description

show	Show running system information
lcnd	LCND information
dot1x	Dot1x information
address	Address in lcnd auth_db
<i>macaddr</i>	MAC address
all	Display all addresses in lcnd auth_db

Command Mode

- /exec

show lcnd dot1x port

show lcnd dot1x port <portnum>

Syntax Description

show	Show running system information
lcnd	LCND information
dot1x	Dot1x information
port	Port number
<i>portnum</i>	Port number

Command Mode

- /exec

show lcmd stats interface

show lcmd stats interface <interface>

Syntax Description

show	Show running system information
lcmd	lcmd
stats	statistics
interface	get interface related stats at lcmd level
<i>interface</i>	Interface name to display

Command Mode

- /exec

show ldap-search-map

```
show ldap-search-map [ __readonly__ { number_of_search_maps <search_map_count> } [
TABLE_ldap_searchmaps [ <map_name> <map_baseDN> <map_attr> <map_filter> ] ] ]
```

Syntax Description

<i>__readonly__</i>	(Optional)
<i>number_of_search_maps</i>	(Optional) Total number of search maps configured
<i>search_map_count</i>	(Optional) Ldap Search map count
<i>TABLE_ldap_searchmaps</i>	(Optional) Ldap search map configuration
<i>map_name</i>	(Optional) Search map name
<i>map_baseDN</i>	(Optional) Ldap base DN
<i>map_attr</i>	(Optional) Search map attribute
<i>map_filter</i>	(Optional) Ldap Search filter
show	Show running system information
ldap-search-map	Show LDAP configuration information

Command Mode

- /exec

show ldap-server

```
show ldap-server [ __readonly__ { global_timeout <g_timeout> } { global_port <g_port> } { global_deadtime
<g_deadtime> } { total_number_of_server <g_servers_count> } { TABLE_ldap_hosts <ldap_host>
<h_idletime> <h_test_user> <h_test_passwd> [ <h_test_dn> ] <h_timeout> <h_port> <h_rootDN>
<h_ssl_enable> <h_referral_disable> } ]
```

Syntax Description

<code>__readonly__</code>	(Optional)
<code>TABLE_ldap_hosts</code>	(Optional) Ldap host configuration
<code>global_timeout</code>	(Optional) Ldap host global timeout
<code>global_port</code>	(Optional) Ldap host global port
<code>global_deadtime</code>	(Optional) Ldap host global deadtime
<code>total_number_of_server</code>	(Optional) Total number of ldap hosts configured
<code>g_servers_count</code>	(Optional) Total number of ldap hosts configured
<code>g_timeout</code>	(Optional) global timeout value
<code>g_port</code>	(Optional) Global ldap port
<code>g_deadtime</code>	(Optional) Global deadtime value
<code>ldap_host</code>	(Optional) Ldap host
<code>h_idletime</code>	(Optional) Ldap host idletime
<code>h_test_user</code>	(Optional) Ldap host testuser
<code>h_test_passwd</code>	(Optional) Ldap host password
<code>h_test_dn</code>	(Optional) Ldap testuser dn
<code>h_timeout</code>	(Optional) Ldap host timeout
<code>h_port</code>	(Optional) Ldap host port
<code>h_rootDN</code>	(Optional) Ldap host RootDN
<code>h_ssl_enable</code>	(Optional) Ldap host ssl configuration
<code>h_referral_disable</code>	(Optional) Ldap host referral chasing disable
<code>show</code>	Show running system information
<code>ldap-server</code>	Show LDAP configuration information

Command Mode

- /exec

show ldap-server groups

```
show ldap-server groups [ __readonly__ { total_number_of_groups <total_groups_count> } { TABLE_groups
<g_name> <g_vrf> <g_mode> <is_bind_and_search> <g_append_with_baseDN> <g_compare_or_bind>
<g_cmp_passwd_attr> [ <user-server-group> ] [ <Cert-DN-match> ] <auth_mechanism> [ TABLE_g_servers
<g_server> <g_port> <g_timeout> ] [ <g_search_map> ] } ]
```

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information
groups	Show LDAP server group configuration information
<i>__readonly__</i>	(Optional)
<i>total_number_of_groups</i>	(Optional) Total number of Ldap groups configured
<i>total_groups_count</i>	(Optional) Ldap group count
TABLE_groups	(Optional) LDAP Group information
<i>g_name</i>	(Optional) Ldap group name
<i>g_vrf</i>	(Optional) LDAP group vrf
<i>g_mode</i>	(Optional) LDAP group mode
<i>is_bind_and_search</i>	(Optional) Ldap Authentication bind or search
<i>g_append_with_baseDN</i>	(Optional) LDAP baseDN append information
<i>g_compare_or_bind</i>	(Optional) LDAP bind or compare
<i>g_cmp_passwd_attr</i>	(Optional) LDAP compare password attribute
<i>user-server-group</i>	(Optional) Ldap server group validation
<i>Cert-DN-match</i>	(Optional) Ldap group CERT-DN match
<i>auth_mechanism</i>	(Optional) Ldap server group authentication mechanism
TABLE_g_servers	(Optional) LDAP group server information
<i>g_server</i>	(Optional) LDAP group host
<i>g_port</i>	(Optional) LDAP group host port
<i>g_timeout</i>	(Optional) LDAP group host timeout
<i>g_search_map</i>	(Optional) LDAP group search map

Command Mode

- /exec

show ldap-server statistics

```
show ldap-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics
<time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions>
<auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match>
<auth_resp_not_processed> <auth_resp_error> } [ acct_statistics <acct_failed_transactions>
<acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match>
<acct_resp_not_processed> <acct_resp_error> } ] ]
```

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information
statistics	Show LDAP statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
monitoring_statistics	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
auth_statistics	(Optional) Authentication Statistics
acct_statistics	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions

<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timedout</i>	(Optional) Accounting: Requests timedout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

show license

```
show license [ __readonly__ { [ <lic_file_name> <lic_file_contents> ] + } ]
```

Syntax Description

show	Show running system information
license	show the contents of all the license files
__readonly__	(Optional) Read only
<i>lic_file_name</i>	(Optional) Name of the license file
<i>lic_file_contents</i>	(Optional) License file contents

Command Mode

- /exec

show license all

```
show license all [ __readonly__ { utility_info <utility_status> } { smart_status_info <smart_status> } {
data_privacy_info <sending_hostname> <callhome_hostname> <license_hostname> <version_privacy> } {
smart_transport_info <transport_type> [ { transport_info [ <transport_url> ] [ <cslu_address> ] } ] [ proxy_info
[ <proxy_address> ] [ <proxy_port> ] [ <proxy_status> ] ] } { miscellaneous <custom_id> } { policy_info [
<policy_in_use> ] [ <policy_install_time> ] <policy_install_name> <reporting_ack_req> {
TABLE_policy_attr_info <policy_attr_name> <first_report_req> <first_report_req_type>
<ongoing_reporting_req> <ongoing_reporting_req_type> <on_change_reporting>
<on_change_reporting_req_type> } } { usage_reporting_info <last_ack_received> <next_ack_deadline>
<reporting_push_interval> <next_ack_push_check> <next_report_push> <last_report_push>
<last_report_file_write> } { trust_code_info <trust_code_installed_time> [ TABLE_ha_trust_code_info
<ha_role_name> <ha_udi_pid> <ha_udi_sn> <ha_trust_code_installed_time> ] } [ TABLE_smart_feat_info
{ <feature_name> <description> <count> <version> <status> <enforcement_type> <license_type> } ] {
local_udi [ <local_pid> ] <local_sn> } [ TABLE_udiList <role> <pid> <sn> ] { smart_version <version> }
]
```

Syntax Description

show	Show running system information
license	Show the contents of all the license files
all	All Smart license agent information
<i>__readonly__</i>	(Optional) Read only
<i>utility_info</i>	(Optional)
<i>utility_status</i>	(Optional) Utility status
<i>smart_status_info</i>	(Optional)
<i>smart_status</i>	(Optional) Smart status
<i>data_privacy_info</i>	(Optional)
<i>sending_hostname</i>	(Optional) Sending hostname
<i>callhome_hostname</i>	(Optional) Callhome hostname privacy
<i>license_hostname</i>	(Optional) License hostname privacy
<i>version_privacy</i>	(Optional) Version privacy
<i>smart_transport_info</i>	(Optional)
<i>transport_type</i>	(Optional) Transport type
<i>transport_info</i>	(Optional)
<i>transport_url</i>	(Optional) Transport URL
<i>cslu_address</i>	(Optional) CSLU Address

proxy_info	(Optional)
<i>proxy_address</i>	(Optional) Proxy address
<i>proxy_port</i>	(Optional) Proxy port
<i>proxy_status</i>	(Optional) Proxy status
miscellaneous	(Optional)
<i>custom_id</i>	(Optional) Custom id
policy_info	(Optional)
<i>policy_in_use</i>	(Optional) Policy in use Installed case
<i>policy_install_time</i>	(Optional) Policy install time
<i>policy_install_name</i>	(Optional) Policy installed name
<i>reporting_ack_req</i>	(Optional) Reporting ACK required
TABLE_policy_attr_info	(Optional) Policy attribute info
<i>policy_attr_name</i>	(Optional) Policy attribute name
<i>first_report_req</i>	(Optional) First report requirement in days
<i>first_report_req_type</i>	(Optional) First report req type
<i>ongoing_reporting_req</i>	(Optional) Ongoing reporting frequency in days
<i>ongoing_reporting_req_type</i>	(Optional) Ongoing reporting req type
<i>on_change_reporting</i>	(Optional) On change reporting in days
<i>on_change_reporting_req_type</i>	(Optional) On change reporting req type
usage_reporting_info	(Optional)
<i>last_ack_received</i>	(Optional) Last ACK received
<i>next_ack_deadline</i>	(Optional) Next ACK deadline
<i>reporting_push_interval</i>	(Optional) Reporting push interval
<i>next_ack_push_check</i>	(Optional) Next ACK push check
<i>next_report_push</i>	(Optional) Next report push
<i>last_report_push</i>	(Optional) Last report push
<i>last_report_file_write</i>	(Optional) Last report file write
trust_code_info	(Optional)
<i>trust_code_installed_time</i>	(Optional) Trust code installed time

TABLE_ha_trust_code_info	(Optional) Trust code info
<i>ha_role_name</i>	(Optional) HA role name
<i>ha_udi_pid</i>	(Optional) HA UDI PID
<i>ha_udi_sn</i>	(Optional) HA UDI SN
<i>ha_trust_code_installed_time</i>	(Optional) HA trust code installed time
TABLE_smart_feat_info	(Optional)
<i>feature_name</i>	(Optional)
<i>description</i>	(Optional)
<i>version</i>	(Optional)
<i>count</i>	(Optional)
<i>status</i>	(Optional)
<i>enforcement_type</i>	(Optional) Enforcement type
<i>license_type</i>	(Optional) license type
local_udi	(Optional) Local device information
<i>local_pid</i>	(Optional) Local product identifier
<i>local_sn</i>	(Optional) Device serial number
TABLE_udiList	(Optional) All device identifiers
<i>role</i>	(Optional) Device role
<i>pid</i>	(Optional) Device product identifier
<i>sn</i>	(Optional) Device serial number
smart_version	(Optional) smart version
<i>version</i>	(Optional) smart version

Command Mode

- /exec

show license certs

```
show license certs [ __readonly__ { <production_cert> } [ <piid> ] [ TABLE_smart_cert_info { <cert_name>
<start_date> <expiry_date> <version_num> <serial_num> <common_name> } ] [ <sudi_list> ] ]
```

Syntax Description

show	Show running system information
license	Show the contents of all the license files
certs	Smart License certificates
<i>__readonly__</i>	(Optional) Read only
<i>production_cert</i>	(Optional) Production cert value
<i>piid</i>	(Optional) Certificate piid
TABLE_smart_cert_info	(Optional)
<i>cert_name</i>	(Optional) Certificate name
<i>start_date</i>	(Optional) Certificate start date
<i>expiry_date</i>	(Optional) Certificate expiry date
<i>version_num</i>	(Optional) Certificate version number
<i>serial_num</i>	(Optional) Certificate serial number
<i>common_name</i>	(Optional) Certificate common name
<i>sudi_list</i>	(Optional) Sudi llist info

Command Mode

- /exec

show license data conversion

show license data conversion

Syntax Description

show	Show running system information
license	Show the contents of all the license files
data	Show data for device led conversions
conversion	Smart license conversion related commands

Command Mode

- /exec

show license eventlog

show license eventlog

Syntax Description

show	Show running system information
license	Show the contents of all the license files
eventlog	Event log

Command Mode

- /exec

show license history message

show license history message

Syntax Description

show	Show running system information
license	Show the contents of all the license files
history	Show license history information
message	Show license messaging history information

Command Mode

- /exec

show license host-id

show license host-id [__readonly__ { <host_id> }]

Syntax Description

show	Show running system information
license	Show the contents of all the license files
host-id	Show unique id for this host for licensing
__readonly__	(Optional) Read only
<i>host_id</i>	(Optional) unique id for this host for licensing

Command Mode

- /exec

show license status

```
show license status [ __readonly__ { utility_info <utility_status> } { smart_status_info <smart_status> } {
data_privacy_info <sending_hostname> <callhome_hostname> <license_hostname> <version_privacy> } {
smart_transport_info <transport_type> [ { transport_info [ <transport_url> ] [ <cslu_address> ] } ] [ proxy_info
[ <proxy_address> ] [ <proxy_port> ] [ <proxy_status> ] ] } { policy_info [ <policy_in_use> ] [
<policy_install_time> ] <policy_install_name> <reporting_ack_req> { TABLE_policy_attr_info
<policy_attr_name> <first_report_req> <first_report_req_type> <ongoing_reporting_req>
<ongoing_reporting_req_type> <on_change_reporting> <on_change_reporting_req_type> } } { miscellaneous
<custom_id> } { usage_reporting_info <last_ack_received> <next_ack_deadline> <reporting_push_interval>
<next_ack_push_check> <next_report_push> <last_report_push> <last_report_file_write> } { trust_code_info
<trust_code_installed_time> [ TABLE_ha_trust_code_info <ha_role_name> <ha_udi_pid> <ha_udi_sn>
<ha_trust_code_installed_time> ] } ]
```

Syntax Description

show	Show running system information
license	Show the contents of all the license files
status	Smart license agent status
<i>__readonly__</i>	(Optional) Read only
<i>utility_info</i>	(Optional)
<i>utility_status</i>	(Optional) Utility status
<i>smart_status_info</i>	(Optional)
<i>smart_status</i>	(Optional) Smart_status
<i>data_privacy_info</i>	(Optional)
<i>sending_hostname</i>	(Optional) Sending hostname
<i>callhome_hostname</i>	(Optional) Callhome hostname privacy
<i>license_hostname</i>	(Optional) License hostname privacy
<i>version_privacy</i>	(Optional) Version privacy
<i>smart_transport_info</i>	(Optional)
<i>transport_type</i>	(Optional) Transport type
<i>transport_info</i>	(Optional)
<i>transport_url</i>	(Optional) Transport URL
<i>cslu_address</i>	(Optional) CSLU Address
<i>proxy_info</i>	(Optional)

<i>proxy_address</i>	(Optional) Proxy address
<i>proxy_port</i>	(Optional) Proxy port
<i>proxy_status</i>	(Optional) Proxy status
<i>policy_info</i>	(Optional)
<i>policy_in_use</i>	(Optional) Policy in use Installed case
<i>policy_install_time</i>	(Optional) Policy install time
<i>policy_install_name</i>	(Optional) Policy installed name
<i>reporting_ack_req</i>	(Optional) Reporting ACK required
TABLE_policy_attr_info	(Optional) Policy attribute info
<i>policy_attr_name</i>	(Optional) Policy attribute name
<i>first_report_req</i>	(Optional) First report requirement in days
<i>first_report_req_type</i>	(Optional) First report req type
<i>ongoing_reporting_req</i>	(Optional) Ongoing reporting frequency in days
<i>ongoing_reporting_req_type</i>	(Optional) Ongoing reporting req type
<i>on_change_reporting</i>	(Optional) On change reporting in days
<i>on_change_reporting_req_type</i>	(Optional) On change reporting req type
miscellaneous	(Optional)
<i>custom_id</i>	(Optional) Custom id
usage_reporting_info	(Optional)
<i>last_ack_received</i>	(Optional) Last ACK received
<i>next_ack_deadline</i>	(Optional) Next ACK deadline
<i>reporting_push_interval</i>	(Optional) Reporting push interval
<i>next_ack_push_check</i>	(Optional) Next ACK push check
<i>next_report_push</i>	(Optional) Next report push
<i>last_report_push</i>	(Optional) Last report push
<i>last_report_file_write</i>	(Optional) Last report file write
trust_code_info	(Optional)
<i>trust_code_installed_time</i>	(Optional) Trust code installed time
TABLE_ha_trust_code_info	(Optional) Trust code info

<i>ha_role_name</i>	(Optional) HA role name
<i>ha_udi_pid</i>	(Optional) HA UDI PID
<i>ha_udi_sn</i>	(Optional) HA UDI SN
<i>ha_trust_code_installed_time</i>	(Optional) HA trust code installed time

Command Mode

- /exec

show license summary

```
show license summary [ __readonly__ [ TABLE_smart_feat_info { <license_name> <feature_name> <count>
<status> } ] ]
```

Syntax Description

show	Show running system information
license	Show the contents of all the license files
summary	Smart license agent summary
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_smart_feat_info</i>	(Optional)
<i>license_name</i>	(Optional) License name
<i>feature_name</i>	(Optional) Feature name
<i>count</i>	(Optional) Feature usage count
<i>status</i>	(Optional) Feature status

Command Mode

- /exec

show license tech support

show license tech support

Syntax Description

show	Show running system information
license	Show the contents of all the license files
tech	Gather information for troubleshooting
support	Gather information for troubleshooting

Command Mode

- /exec

show license udi

```
show license udi [ __readonly__ { local_udi [ <local_pid> ] <local_sn> } [ TABLE_udiList <role> <pid>
<sn> ] ]
```

Syntax Description

show	Show running system information
license	Show the contents of all the license files
udi	device udi
__readonly__	(Optional) Read only
local_udi	(Optional) Local device information
<i>local_pid</i>	(Optional) Local product identifier
<i>local_sn</i>	(Optional) Device serial number
TABLE_udiList	(Optional) All device identifiers
<i>role</i>	(Optional) Device role
<i>pid</i>	(Optional) Device product identifier
<i>sn</i>	(Optional) Device serial number

Command Mode

- /exec

show license usage

```
show license usage [ { detail | <license-feature> } ] [ __readonly__ { [ [ TABLE_show_lic_usage {
<feature_name> <lic_installed> <count> <status> <expiry_date> <comments> } ] { [ <application_name> ]
+ } { [ <smart_feature_list> ]+ } ] | [ <auth_status> [ [ TABLE_show_smart_lic_usage { <smart_feature_name>
<smart_description> <smart_count> <smart_version> <smart_status> <enforcement_type> <license_type>
} ] ] ] ] }
```

Syntax Description

show	Show running system information
license	show the contents of all the license files
usage	Show license usage table
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>license-feature</i>	(Optional) Show usage of this license package
<i>__readonly__</i>	(Optional) Read only
TABLE_show_lic_usage	(Optional) License usage
<i>feature_name</i>	(Optional) Name of the feature
<i>lic_installed</i>	(Optional) Is the license installed?
<i>count</i>	(Optional) License count
<i>status</i>	(Optional) License status
<i>expiry_date</i>	(Optional) Expiry date of the license
<i>comments</i>	(Optional) License comments
<i>application_name</i>	(Optional) Name of the application using the license
<i>smart_feature_list</i>	(Optional) Name of the application using the license
<i>auth_status</i>	(Optional) Brief about smart license usage
TABLE_show_smart_lic_usage	(Optional) Smart License usage
<i>smart_feature_name</i>	(Optional) Name of the feature
<i>smart_description</i>	(Optional) Description of the entitlement
<i>smart_count</i>	(Optional) License count
<i>smart_version</i>	(Optional) License version
<i>smart_status</i>	(Optional) License status
<i>enforcement_type</i>	(Optional) Enforcement type

<i>license_type</i>	(Optional) License type
---------------------	-------------------------

Command Mode

- /exec

show license version

show license version [__readonly__ { <version> }]

Syntax Description

show	Show running system information
license	Show the contents of all the license files
version	Smart License version
__readonly__	(Optional) Read only
<i>version</i>	(Optional) smart agent version info

Command Mode

- /exec

show line

```
show line [ __readonly__ <speed> <databits> <stopbits> <parity> <modem_in> <modem_init_str> <stat> [
TABLE_ps_output <ps> ] [ <speed_aux> <databits_aux> <stopbits_aux> <parity_aux> <modem_in_aux>
<modem_init_str_aux> <hw_fc_aux> <stat_aux> [ TABLE_ps_output_aux <ps_aux> ] ] ]
```

Syntax Description

show	Show running system information
line	Show the line configuration
__readonly__	(Optional)
TABLE_ps_output	(Optional) Process info for console login
TABLE_ps_output_aux	(Optional) Process info for com1 login
<i>speed</i>	(Optional) Port speed(baud)
<i>databits</i>	(Optional) Bits per byte
<i>stopbits</i>	(Optional) Bits
<i>parity</i>	(Optional) Parity
<i>modem_in</i>	(Optional) Modem In
<i>modem_init_str</i>	(Optional) Modem Init-String
<i>stat</i>	(Optional) Statistics
<i>ps</i>	(Optional) Login process
<i>speed_aux</i>	(Optional) Port speed(baud)
<i>databits_aux</i>	(Optional) Bits per byte
<i>stopbits_aux</i>	(Optional) Bits
<i>parity_aux</i>	(Optional) Parity
<i>modem_in_aux</i>	(Optional) Modem In
<i>modem_init_str_aux</i>	(Optional) Modem Init-String
<i>hw_fc_aux</i>	(Optional) Hardware Flowcontrol
<i>stat_aux</i>	(Optional) Statistics
<i>ps_aux</i>	(Optional) Login process

Command Mode

- /exec

show line console

```
show line console [ __readonly__ <speed> <databits> <stopbits> <parity> <modem_in> <modem_init_str>
<stat> [ TABLE_ps_output <ps> ] ]
```

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
__readonly__	(Optional)
TABLE_ps_output	(Optional) Process info for console login
<i>speed</i>	(Optional) Port speed(baud)
<i>databits</i>	(Optional) Bits per byte
<i>stopbits</i>	(Optional) Bits
<i>parity</i>	(Optional) Parity
<i>modem_in</i>	(Optional) Modem In
<i>modem_init_str</i>	(Optional) Modem Init-String
<i>stat</i>	(Optional) Statistics
<i>ps</i>	(Optional) Login process

Command Mode

- /exec

show line console connected

show line console connected [__readonly__ <output>]

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
connected	Show whether the line is currently connected physically
__readonly__	(Optional)
<i>output</i>	(Optional) output string

Command Mode

- /exec

show line console user-input-string

show line console user-input-string [__readonly__ <input>]

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
user-input-string	Show user-input init string
__readonly__	(Optional)
<i>input</i>	(Optional) user input string

Command Mode

- /exec

show lisp ddt

```
show lisp ddt [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp ddt queue

```
show lisp ddt queue [ [ instance-id <iid> ] { <eid> | <eid6> } ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
queue	Display LISP-DDT Map-Request queue in Map-Resolver
instance-id	(Optional) Show instance-ID summary display
<i>iid</i>	(Optional) Instance-ID for EID-prefix
<i>eid</i>	(Optional) IPv4 EID address
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp ddt referral-cache

```
{ show lisp ddt referral-cache [ [ instance-id <iid> ] { <eid> | <eid6> } ] [ vrf { <vrf-name> | <vrf-known-name> } ] ] | { show lisp ddt referral-cache { ms-ack | ms-referral | node-referral | ms-not-registered | delegation-hole | not-authoritative } [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
referral-cache	Display LISP-DDT referral cache
instance-id	(Optional) Show instance-ID summary display
<i>iid</i>	(Optional) Instance-ID for EID-prefix
<i>eid</i>	(Optional) IPv4 EID address
ms-ack	Referral cache entries to map-servers
ms-referral	Referral cache entries from parent of map-servers
node-referral	Referral cache entries from parent of DDT-nodes
ms-not-registered	Referral cache entries from map-servers
delegation-hole	Referral cache entries from any DDT-node
not-authoritative	Referral cache entries from any DDT-node
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp dynamic-eid

```
{ show lisp dynamic-eid { summary | { [ <dyn-eid-name> ] [ detail ] } } [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
dynamic-eid	Display dynamic-EIDs configured and discovered
summary	One-line summary display of discovered dynamic-EIDs
<i>dyn-eid-name</i>	(Optional) Display a single dynamic-EID
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
detail	(Optional) Display discovered dynamic-EIDs

Command Mode

- /exec

show lisp elp

```
show lisp elp [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
elp	Display LISP Explicit Locator Paths configured
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp negative-prefix

```
show lisp negative-prefix { <eid> | <eid6> } [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
negative-prefix	Compute negative-prefix for hole in EID space
<i>eid</i>	IPv4 EID address
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp proxy-itr

```
show lisp proxy-itr [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
proxy-itr	Display discovered proxy-ITRs (PITRs)
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp site

```
{ show lisp site [ { { <eid> | <eid6> } [ instance-id <iid> ] } | { { <eid-prefix> | <eid-prefix6> } [ instance-id <iid> ] } | <site-name> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>eid</i>	(Optional) Display mapping for IP destination EID
<i>eid-prefix</i>	(Optional) Display exact match for IP EID-prefix entry
instance-id	(Optional) Instance EID-prefix registered in
<i>iid</i>	(Optional) Instance-ID value
<i>site-name</i>	(Optional) Display a single site
detail	(Optional) Display allowed registered locator sources

Command Mode

- /exec

show lisp site instance-id

```
{ show lisp site instance-id [ <iid> ] [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
instance-id	Show instance-ID summary display
<i>iid</i>	(Optional) Show detail for entries of a single Instance-ID
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lldp all

```
show lldp all [ __readonly__ TABLE_lldp_all <intf_desc> <lldp_tx> <lldp_rx> <lldp_dcbx> ]
```

Syntax Description

show	Show running system information
lldp	Show lldp Protocol information
all	Show all interfaces in lldp database
__readonly__	(Optional) Read only
TABLE_lldp_all	(Optional) output of show lldp all
<i>intf_desc</i>	(Optional) Interface desc
<i>lldp_tx</i>	(Optional) lldp tx status
<i>lldp_rx</i>	(Optional) lldp rx status
<i>lldp_dcbx</i>	(Optional) lldp dcbx status

Command Mode

- /exec

show lldp dcbx interface

```
show lldp dcbx interface <if_in> [ __readonly__ <if_out> <cfg_proto> <det_proto> [ <l_op_ver> <l_max_ver>
<l_seq_no> <l_ack_no> ] [ <l_feature> <l_feat_len> <l_cfg> ] + [ <p_op_ver> <p_max_ver> <p_seq_no>
<p_ack_no> ] [ <p_tlv_type> <p_tlv_ctrl> <p_tlv_len> <p_tlv_value> ] + ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
dcbx	Show dcbx information
interface	Show lldp interface information
<i>if_in</i>	Enter interface
<i>__readonly__</i>	(Optional)
<i>if_out</i>	(Optional) Interface ID
<i>cfg_proto</i>	(Optional) Configured DCBX Protocol
<i>det_proto</i>	(Optional) DCBX Protocol detected
<i>l_op_ver</i>	(Optional) local dcbx control operation version
<i>l_max_ver</i>	(Optional) local dcbx control maximum version
<i>l_seq_no</i>	(Optional) local dcbx control seq no
<i>l_ack_no</i>	(Optional) local dcbx control ack no
<i>l_feature</i>	(Optional) local feature
<i>l_feat_len</i>	(Optional) Local Feature Length
<i>l_cfg</i>	(Optional) local feature config
<i>p_op_ver</i>	(Optional) peer dcbx control operation version
<i>p_max_ver</i>	(Optional) peer dcbx control maximum version
<i>p_seq_no</i>	(Optional) peer dcbx control seq no
<i>p_ack_no</i>	(Optional) peer dcbx control ack no
<i>p_tlv_type</i>	(Optional) peer TLV type field
<i>p_tlv_ctrl</i>	(Optional) peer TLV control info
<i>p_tlv_len</i>	(Optional) Peer TLV Length
<i>p_tlv_value</i>	(Optional) peer TLV value field

Command Mode

- /exec

show lldp entry

```
show lldp entry [ <sys-name> ] [ __readonly__ { <neigh_hdr> } { TABLE_entry <chassis_type> <chassis_id>
<port_type> <port_id> <l_port_id> <port_desc> <sys_name> <sys_desc> <ttl> <capability>
<mgmt_addr_type> <mgmt_addr> <mgmt_addr_ipv6_type> <mgmt_addr_ipv6> <vlan_id> <max_framesize>
<vlan_name> } { <neigh_count> } ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
entry	Show lldp entry information
<i>sys-name</i>	(Optional) WORD Peer's System name
<i>__readonly__</i>	(Optional)
<i>neigh_hdr</i>	(Optional)
TABLE_entry	(Optional) Table Entry
<i>chassis_type</i>	(Optional) Chassis ID type
<i>chassis_id</i>	(Optional) Chassis ID
<i>port_type</i>	(Optional) Port ID type
<i>port_id</i>	(Optional) Port ID
<i>l_port_id</i>	(Optional) Port ID
<i>port_desc</i>	(Optional) Port description
<i>sys_name</i>	(Optional) System name
<i>sys_desc</i>	(Optional) System description
<i>ttl</i>	(Optional) Time to live
<i>capability</i>	(Optional) Capability
<i>mgmt_addr_type</i>	(Optional) Management Address type
<i>mgmt_addr</i>	(Optional) Management Address
<i>mgmt_addr_ipv6_type</i>	(Optional) IPV6 Management Address type
<i>mgmt_addr_ipv6</i>	(Optional) IPV6 Management Address
<i>vlan_id</i>	(Optional) Vlan ID
<i>max_framesize</i>	(Optional) Max Frame Size

<i>vlan_name</i>	(Optional) Vlan Name TLVs
<i>neigh_count</i>	(Optional)

Command Mode

- /exec

show lldp interface

```
show lldp interface <if0> [ __readonly__ <interface> <tx_en> <rx_en> <dcbx_en> <port_mac> [ <tlv_type>
<tlv_len> [ <tlv_value> ] ] + [ <l_op_ver> <l_max_ver> <l_seq_no> <l_ack_no> [ <l_feature> <l_cfg_len>
<l_cfg> ] + ] [ <p_op_ver> <p_max_ver> <p_seq_no> <p_ack_no> [ <p_tlv_type> <p_tlv_len> <p_tlv_value>
] + ] ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
interface	Show lldp interface information
<i>if0</i>	Enter interface
<i>__readonly__</i>	(Optional)
<i>interface</i>	(Optional) Interface ID
<i>tx_en</i>	(Optional) tx enable
<i>rx_en</i>	(Optional) rx enable
<i>dcbx_en</i>	(Optional) dcbox enable
<i>port_mac</i>	(Optional) Port mac address
<i>tlv_type</i>	(Optional) TLV type field
<i>tlv_len</i>	(Optional) TLV len field
<i>tlv_value</i>	(Optional) TLV value field
<i>l_op_ver</i>	(Optional) local dcbox control operation version
<i>l_max_ver</i>	(Optional) local dcbox control maximum version
<i>l_seq_no</i>	(Optional) local dcbox control seq no
<i>l_ack_no</i>	(Optional) local dcbox control ack no
<i>l_feature</i>	(Optional) local feature
<i>l_cfg_len</i>	(Optional) local feature config length
<i>l_cfg</i>	(Optional) local feature config
<i>p_op_ver</i>	(Optional) peer dcbox control operation version
<i>p_max_ver</i>	(Optional) peer dcbox control maximum version
<i>p_seq_no</i>	(Optional) peer dcbox control seq no

<i>p_ack_no</i>	(Optional) peer dcbx control ack no
<i>p_tlv_type</i>	(Optional) peer TLV type field
<i>p_tlv_len</i>	(Optional) peer TLV len field
<i>p_tlv_value</i>	(Optional) peer TLV value field

Command Mode

- /exec

show lldp neighbors

```
show lldp neighbors [ interface <if> ] [ __readonly__ { <neigh_hdr> } { TABLE_nbor <chassis_type>
<chassis_id> <l_port_id> <hold_time> [ <capability> ] <system_capability> <enabled_capability> <port_type>
<port_id> <mgmt_addr_type> <mgmt_addr> <mgmt_addr_ipv6_type> <mgmt_addr_ipv6> } { <neigh_count>
} ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
<i>if</i>	(Optional) Enter interface
<i>__readonly__</i>	(Optional)
<i>neigh_hdr</i>	(Optional)
TABLE_nbor	(Optional) Neighbor Table
<i>chassis_type</i>	(Optional) Chassis ID type
<i>chassis_id</i>	(Optional) Chassis ID
<i>l_port_id</i>	(Optional) Local port ID
<i>hold_time</i>	(Optional) Hold time
<i>capability</i>	(Optional) Capability
<i>system_capability</i>	(Optional) System Capability
<i>enabled_capability</i>	(Optional) Enabled Capability
<i>port_type</i>	(Optional) Port ID type
<i>port_id</i>	(Optional) Port ID
<i>mgmt_addr_type</i>	(Optional) Management Address type
<i>mgmt_addr</i>	(Optional) Management Address
<i>mgmt_addr_ipv6_type</i>	(Optional) IPV6 Management Address type
<i>mgmt_addr_ipv6</i>	(Optional) IPV6 Management Address
<i>neigh_count</i>	(Optional)

Command Mode

- /exec

show lldp neighbors detail

```
show lldp neighbors [ interface <if> ] detail [ __readonly__ { <neigh_hdr> } { TABLE_nbor_detail
<chassis_type> <chassis_id> <port_type> <port_id> <l_port_id> <port_desc> <sys_name> <sys_desc> <ttl>
[ <capability> ] <system_capability> <enabled_capability> <mgmt_addr_type> <mgmt_addr>
<mgmt_addr_ipv6_type> <mgmt_addr_ipv6> <vlan_id> <max_framesize> <vlan_name> } { <neigh_count>
} ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
<i>if</i>	(Optional) Enter interface
detail	Show lldp neighbor detail information
<i>__readonly__</i>	(Optional)
<i>neigh_hdr</i>	(Optional)
TABLE_nbor_detail	(Optional) Neighbor detail Table
<i>chassis_type</i>	(Optional) Chassis ID type
<i>chassis_id</i>	(Optional) Chassis ID
<i>port_type</i>	(Optional) Port ID type
<i>port_id</i>	(Optional) Port ID
<i>l_port_id</i>	(Optional) Port ID
<i>port_desc</i>	(Optional) Port description
<i>sys_name</i>	(Optional) System name
<i>sys_desc</i>	(Optional) System description
<i>ttl</i>	(Optional) Time to live
<i>capability</i>	(Optional) Capability
<i>system_capability</i>	(Optional) System Capability
<i>enabled_capability</i>	(Optional) Enabled Capability
<i>mgmt_addr_type</i>	(Optional) Management Address type
<i>mgmt_addr</i>	(Optional) Management Address

<i>mgmt_addr_ipv6_type</i>	(Optional) IPV6 Management Address type
<i>mgmt_addr_ipv6</i>	(Optional) IPV6 Management Address
<i>vlan_id</i>	(Optional) Vlan ID
<i>max_framesize</i>	(Optional) Maximum Frame Size
<i>vlan_name</i>	(Optional) Vlan Name TLVs
<i>neigh_count</i>	(Optional)

Command Mode

- /exec

show lldp neighbors system-detail

```
show lldp neighbors [ interface <if> ] system-detail [ __readonly__ { <neigh_hdr> } { TABLE_nbor_sys_detail
<sys_type> <sys_name> <l_port_id> <chassis_type> <chassis_id> <port_type> <port_id> <ttl> <capability>
<mgmt_addr_type> <mgmt_addr> } { <neigh_count> } ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
<i>if</i>	(Optional) Enter interface
system-detail	Show lldp neighbor system detail information
<i>__readonly__</i>	(Optional)
<i>neigh_hdr</i>	(Optional)
TABLE_nbor_sys_detail	(Optional) Neighbor sys-detail Table
<i>sys_type</i>	(Optional) System Type
<i>sys_name</i>	(Optional) System Name
<i>l_port_id</i>	(Optional) Local port ID
<i>chassis_type</i>	(Optional) Chassis ID type
<i>chassis_id</i>	(Optional) Chassis ID
<i>port_type</i>	(Optional) Port ID type
<i>port_id</i>	(Optional) Port ID
<i>ttl</i>	(Optional) Time to live
<i>capability</i>	(Optional) Capability
<i>mgmt_addr_type</i>	(Optional) Management Address type
<i>mgmt_addr</i>	(Optional) Management Address
<i>neigh_count</i>	(Optional)

Command Mode

- /exec

show lldp poe interface

```
show lldp poe { interface <if0> } [ __readonly__ <power-type> <power-source> <power-priority>
<power-requested> <power-allocated> ]
```

Syntax Description

show	Show running system information
lldp	Show lldp protocol information
poe	Power over Ethernet
interface	Show lldp interface information
<i>if0</i>	Interface name
<i>__readonly__</i>	(Optional)
<i>power-type</i>	(Optional) Power Type
<i>power-source</i>	(Optional) Power Source
<i>power-priority</i>	(Optional) Power Priority
<i>power-requested</i>	(Optional) Requested Power
<i>power-allocated</i>	(Optional) Allocated Power

Command Mode

- /exec

show lldp portid-subtype

```
show lldp portid-subtype [ __readonly__ <portid_subtype> ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
portid-subtype	Show lldp portid-subtype
__readonly__	(Optional)
<i>portid_subtype</i>	(Optional) portid-subtype for LLDP TLV and MIBs

Command Mode

- /exec

show lldp timers

```
show lldp timers [ __readonly__ <ttl> <reinit> <tx_interval> <tx_delay> <hold_mplier> <notification_interval> ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
timers	Show lldp timers
<i>__readonly__</i>	(Optional)
<i>ttl</i>	(Optional) Time to Live for lldp info
<i>reinit</i>	(Optional) Interface reinit timer
<i>tx_interval</i>	(Optional) Wait interval between successive transmit
<i>tx_delay</i>	(Optional) Delay between successive frame transmissions
<i>hold_mplier</i>	(Optional) Hold multiplier for ttl
<i>notification_interval</i>	(Optional) Notification interval for SNMP trap

Command Mode

- /exec

show lldp tlv-select

```
show lldp tlv-select [ __readonly__ <management-address-v4> <management-address-v6> <port-description>
<port-vlan> <power-management> <four-wire-power-management> <system-capabilities>
<system-description> <system-name> <port-max-framesize> <port-vlan-name> <dcbxp-cin-cee>
<dcbxp-cin-cee-egress> [ <dcbxp-cn> ] [ <dcbxp-ets-cfg> ] [ <dcbxp-ets-reco> ] [ <dcbxp-pfc-cfg> ] [
<dcbxp-app-pri> ] [ <dcbxp-app-vlan> ] ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
tlv-select	Show lldp tlv-select
<i>__readonly__</i>	(Optional)
<i>management-address-v4</i>	(Optional) Management address v4
<i>management-address-v6</i>	(Optional) Management address v6
<i>port-description</i>	(Optional) Port description
<i>port-vlan</i>	(Optional) Port vlan
<i>power-management</i>	(Optional) IEEE 802.3 DTE Power via MDI TLV
<i>four-wire-power-management</i>	(Optional) Cisco 4-Wire Power via MDI TLV
<i>system-capabilities</i>	(Optional) System capabilities
<i>system-description</i>	(Optional) System description
<i>system-name</i>	(Optional) System name
<i>port-max-framesize</i>	(Optional) Port Maximum Frame Size TLV
<i>port-vlan-name</i>	(Optional) Port Vlan Name TLV
<i>dcbxp-cin-cee</i>	(Optional) DCBXP CIN or CEE
<i>dcbxp-cin-cee-egress</i>	(Optional) DCBXP CIN or CEE Egress
<i>dcbxp-cn</i>	(Optional) DCBXP Congestion Notification
<i>dcbxp-ets-cfg</i>	(Optional) DCBXP ETS Configuration
<i>dcbxp-ets-reco</i>	(Optional) DCBXP ETS Recommendation
<i>dcbxp-pfc-cfg</i>	(Optional) DCBXP PFC Configuration
<i>dcbxp-app-pri</i>	(Optional) DCBXP Application Priorities
<i>dcbxp-app-vlan</i>	(Optional) DCBXP Application VLAN's

Command Mode

- /exec

show lldp traffic

```
show lldp traffic [ __readonly__ <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv>
<flap_cnt> ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
<i>__readonly__</i>	(Optional)
<i>tx_cnt</i>	(Optional) Transmit count
<i>aged_cnt</i>	(Optional) Aged out count
<i>rx_cnt</i>	(Optional) Received count
<i>rx_err</i>	(Optional) Received error count
<i>disc_cnt</i>	(Optional) Disconnect count
<i>unrecognized_tlv</i>	(Optional) Unrecognized TLV count
<i>flap_cnt</i>	(Optional) flap count

Command Mode

- /exec

show lldp traffic interface

```
show lldp traffic interface <if> [ __readonly__ <interface> <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt>
<unrecognized_tlv> <flap_cnt> ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
interface	Show lldp traffic counters on an interface
<i>if</i>	Enter interface
<i>__readonly__</i>	(Optional)
<i>interface</i>	(Optional) Interface ID
<i>tx_cnt</i>	(Optional) Transmit count
<i>aged_cnt</i>	(Optional) Aged out count
<i>rx_cnt</i>	(Optional) Received count
<i>rx_err</i>	(Optional) Received error count
<i>disc_cnt</i>	(Optional) Disconnect count
<i>unrecognized_tlv</i>	(Optional) Unrecognized TLV count
<i>flap_cnt</i>	(Optional) flap count

Command Mode

- /exec

show lldp traffic interface all

```
show lldp traffic interface all [ __readonly__ TABLE_lldp_traffic_interface <interface> <tx_cnt> <aged_cnt>
<rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv> <flap_cnt> ]
```

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
interface	Show lldp traffic counters on an interface
all	Get status for all interfaces
<i>__readonly__</i>	(Optional)
<i>TABLE_lldp_traffic_interface</i>	(Optional) LLDP traffic interface table
<i>interface</i>	(Optional) Interface ID
<i>tx_cnt</i>	(Optional) Transmit count
<i>aged_cnt</i>	(Optional) Aged out count
<i>rx_cnt</i>	(Optional) Received count
<i>rx_err</i>	(Optional) Received error count
<i>disc_cnt</i>	(Optional) Disconnect count
<i>unrecognized_tlv</i>	(Optional) Unrecognized TLV count
<i>flap_cnt</i>	(Optional) flap count

Command Mode

- /exec

show locator-led status

show locator-led status [__readonly__ { TABLE_loc_led_stat <component> <status> }]

Syntax Description

show	Show running system information
locator-led	blink locator led on device
status	status
__readonly__	(Optional)
TABLE_loc_led_stat	(Optional)
<i>component</i>	(Optional)
<i>status</i>	(Optional)

Command Mode

- /exec

show logging

show logging

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile

Command Mode

- /exec

show logging console

show logging console

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
console	Show console logging configuration

Command Mode

- /exec

show logging dropcount

show logging dropcount

Syntax Description

show	logging dropcount
logging	Show logging drop count of syslogs
dropcount	Show logging dropcount

Command Mode

- /exec

show logging history

show logging history

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
history	Show logging history configuration

Command Mode

- /exec

show logging info

```
show logging info [ __readonly__ { <console_status> [ <console_severity> ] } { <monitor_status> [
<monitor_severity> ] } { <linecard_status> [ <linecard_severity> ] } { <log_timestamp> } [ {
<source_interface_status> } [ <source_interface_intf> | <source_interface_intf_index> <source_interface_error>
] ] { <server_status> [ { TABLE_logserver <server> <forwarding> <severity> <facility> <vrf> <port> [
<transport> ] } ] } { <origin_id_status> } [ <origin_id> ] } [ [ <logflash_status> ] [ <logflash_severity> ] [
<logflash_threshold> ] ] { <logfile_status> [ <logfile_name> <logfile_severity> <logfile_size> ] } { {
TABLE_facility <fac_name> <def_level> <cur_level> } { <fac_info> } } ]
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
info	Show logging configuration
<i>__readonly__</i>	(Optional)
<i>console_status</i>	(Optional) console logging status
<i>console_severity</i>	(Optional) console logging level
<i>monitor_status</i>	(Optional) monitor logging status
<i>monitor_severity</i>	(Optional) monitor logging level
<i>linecard_status</i>	(Optional) linecard logging status
<i>linecard_severity</i>	(Optional) linecard logging level
<i>log_timestamp</i>	(Optional) timestamp unit
<i>source_interface_status</i>	(Optional) source-interface logging status
<i>source_interface_intf</i>	(Optional) source-interface interface
<i>server_status</i>	(Optional) logging server status
TABLE_logserver	(Optional) output of show logging server
<i>transport</i>	(Optional) remote server transport
<i>origin_id_status</i>	(Optional) origin-id status
<i>origin_id</i>	(Optional) origin-id
<i>logflash_status</i>	(Optional) logflash status
<i>logflash_severity</i>	(Optional) logflash level
<i>logflash_threshold</i>	(Optional) logflash threshold percentage
<i>logfile_status</i>	(Optional) logfile status

TABLE_facility	(Optional) output of show logging level(facility)
fac_info	(Optional) level info

Command Mode

- /exec

show logging ip access-list cache

```
show logging ip access-list cache [ detail ] [ __readonly__ <disp_flags> <sgt> <src_ip> <dst_ip> <src_port>
<dst_port> <if_index> <proto> <hit_cnt> <acl_name> <acl_num> <acl_permit> <acl_ingress> <acl_type>
<acl_appl_if_index> <acl_fltr_hit_cnt> ]
```

Syntax Description

show	Show running system information
logging	logging information
ip	IP configuration
access-list	Access-list
cache	logging
detail	(Optional) Show additional details about entries in cache
__readonly__	(Optional)
<i>disp_flags</i>	(Optional) Display flags
<i>sgt</i>	(Optional) SGT
<i>src_ip</i>	(Optional) Source IP
<i>dst_ip</i>	(Optional) Dest IP
<i>src_port</i>	(Optional) Source port
<i>dst_port</i>	(Optional) Dest port
<i>if_index</i>	(Optional) Interface
<i>proto</i>	(Optional) Protocol
<i>hit_cnt</i>	(Optional) Hits
<i>acl_name</i>	(Optional) ACL Name
<i>acl_num</i>	(Optional) ACL Number
<i>acl_permit</i>	(Optional) ACL Permit
<i>acl_ingress</i>	(Optional) ACL Ingress
<i>acl_type</i>	(Optional) ACL Filter Type
<i>acl_appl_if_index</i>	(Optional) ACL Applied Interface
<i>acl_fltr_hit_cnt</i>	(Optional) ACL Filter Count

Command Mode

- /exec

show logging ip access-list status

show logging ip access-list status [*__readonly__* <num_entries> <seconds> <num_packets>]

Syntax Description

show	Show running system information
logging	logging information
ip	IP configuration
access-list	Access-list
status	ACLLOG status
<i>__readonly__</i>	(Optional)
<i>num_entries</i>	(Optional) Max flows
<i>seconds</i>	(Optional) Log-update interval in seconds
<i>num_packets</i>	(Optional) threshold

Command Mode

- /exec

show logging last

show logging last <i0>

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
last	Show last few lines of logfile
<i>i0</i>	Enter number of lines to display

Command Mode

- /exec

show logging level

show logging level

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level

```
show logging level [ { auth | authpriv | cron | daemon | ftp | kernel | local0 | local1 | local2 | local3 | local4 |
local5 | local6 | local7 | lpr | mail | news | syslog | user | uucp } ] [ __readonly__ { TABLE_facility <fac_name>
<def_level> <cur_level> } ]
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
auth	(Optional) Show Authorization System logging configuration
authpriv	(Optional) Show Authorization (Private) logging configuration
cron	(Optional) Show Cron/at facility logging configuration
daemon	(Optional) Show System daemons logging configuration
ftp	(Optional) Show File Transfer System logging configuration
kernel	(Optional) Show kernel logging configuration
local0	(Optional) Show Local use daemons logging configuration
local1	(Optional) Show Local use daemons logging configuration
local2	(Optional) Show Local use daemons logging configuration
local3	(Optional) Show Local use daemons logging configuration
local4	(Optional) Show Local use daemons logging configuration
local5	(Optional) Show Local use daemons logging configuration
local6	(Optional) Show Local use daemons logging configuration
local7	(Optional) Show Local use daemons logging configuration
lpr	(Optional) Show Line Printer System logging configuration
mail	(Optional) Show Mail System logging configuration
news	(Optional) Show USENET news logging configuration
syslog	(Optional) Show Internal Syslog Messages logging configuration
user	(Optional) Show user process logging configuration
uucp	(Optional) Show Unix-to-Unix copy system logging configuration
__readonly__	(Optional)

<i>fac_name</i>	(Optional) facility names
TABLE_facility	(Optional)
<i>def_level</i>	(Optional) default severity
<i>cur_level</i>	(Optional) current severity

Command Mode

- /exec

show logging level aaa

show logging level aaa

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aaa	Show aaa logging configuration

Command Mode

- /exec

show logging level acl

show logging level acl

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
acl	Show acl logging configuration

Command Mode

- /exec

show logging level aclog

show logging level aclog

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aclog	Show aclog logging configuration

Command Mode

- /exec

show logging level aclmgr

show logging level aclmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aclmgr	Show aclmgr logging configuration

Command Mode

- /exec

show logging level adbm

show logging level adbm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
adbm	Show adbm logging configuration

Command Mode

- /exec

show logging level adjmgr

show logging level adjmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
adjmgr	Show adjmgr logging configuration

Command Mode

- /exec

show logging level amt

show logging level amt

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
amt	Show amt logging configuration

Command Mode

- /exec

show logging level arp

show logging level arp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
arp	Show arp logging configuration

Command Mode

- /exec

show logging level ascii-cfg

show logging level ascii-cfg

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ascii-cfg	Show ascii-cfg logging configuration

Command Mode

- /exec

show logging level assoc_mgr

show logging level assoc_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
assoc_mgr	Show Association Manager Logging Configuration

Command Mode

- /exec

show logging level backup

show logging level { backup | flexlink }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
backup	Show Switchport Backup logging level
flexlink	Show Switchport Backup logging level

Command Mode

- /exec

show logging level bfd

show logging level bfd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bfd	Show bfd logging configuration

Command Mode

- /exec

show logging level bgp

show logging level bgp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bgp	Show BGP logging configuration

Command Mode

- /exec

show logging level bloggerd

show logging level bloggerd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bloggerd	Show BloggerD logging configuration

Command Mode

- /exec

show logging level bootvar

show logging level bootvar

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bootvar	Show bootvar logging configuration

Command Mode

- /exec

show logging level callhome

show logging level callhome

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
callhome	Show callhome logging configuration

Command Mode

- /exec

show logging level capability

show logging level capability

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
capability	Show capability logging configuration

Command Mode

- /exec

show logging level cdp

show logging level cdp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cdp	Show CDP logging configuration

Command Mode

- /exec

show logging level cert_enroll

show logging level cert_enroll

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cert_enroll	Show Cert-enroll logging configuration

Command Mode

- /exec

show logging level cfs

show logging level cfs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level clis

show logging level clis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clis	Show CLIS logging configuration

Command Mode

- /exec

show logging level clk_mgr

show logging level clk_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clk_mgr	Show clock manager logging configuration

Command Mode

- /exec

show logging level confcheck

show logging level confcheck

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
confcheck	Show confcheck logging configuration

Command Mode

- /exec

show logging level copp

show logging level copp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
copp	Show copp logging configuration

Command Mode

- /exec

show logging level core-dmon

show logging level core-dmon

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
core-dmon	Show core daemon logging configuration

Command Mode

- /exec

show logging level cts

show logging level cts

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cts	Show cts logging configuration

Command Mode

- /exec

show logging level device-alias

show logging level device-alias

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
device-alias	Show device-alias logging configuration

Command Mode

- /exec

show logging level dhclient

show logging level dhclient

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dhclient	Show syslog level for dhcp client

Command Mode

- /exec

show logging level dhcp_snoop

show logging level dhcp_snoop

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dhcp_snoop	Show DHCP snoop logging configuration

Command Mode

- /exec

show logging level diagnostic diag_port_lb

show logging level diagnostic diag_port_lb

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diag_port_lb	Show diagmgr logging configuration

Command Mode

- /exec

show logging level diagnostic diagclient

show logging level diagnostic diagclient

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diagclient	Show diagclient logging configuration

Command Mode

- /exec

show logging level diagnostic diagmgr

show logging level diagnostic diagmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diagmgr	Show diagmgr logging configuration

Command Mode

- /exec

show logging level dot1x

show logging level dot1x

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dot1x	Show dot1x logging configuration

Command Mode

- /exec

show logging level dpvm

show logging level dpvm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level ecp

show logging level ecp

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ecp	Set syslog filter level for ECP

Command Mode

- /exec

show logging level eigrp

show logging level eigrp [<eigrp-ptag>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
eigrp	Show EIGRP logging configuration
<i>eigrp-ptag</i>	(Optional) Process tag

Command Mode

- /exec

show logging level eltm

show logging level eltm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
eltn	Show eltn logging configuration

Command Mode

- /exec

show logging level epbr

show logging level epbr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
epbr	Show epbr logging configuration

Command Mode

- /exec

show logging level epp

show logging level epp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
epp	Show epp logging configuration

Command Mode

- /exec

show logging level ethdstats

show logging level ethdstats

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ethdstats	Show delta statistics logging configuration

Command Mode

- /exec

show logging level ethpm

show logging level ethpm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ethpm	Show ethpm logging configuration

Command Mode

- /exec

show logging level evb

show logging level evb

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
evb	Set syslog filter level for EVB

Command Mode

- /exec

show logging level evmc

show logging level evmc

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmc	Show level for evmc syslog messages

Command Mode

- /exec

show logging level evmed

show logging level evmed

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmed	Show level for evmed syslog messages

Command Mode

- /exec

show logging level evms

show logging level evms

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evms	Show level for evms syslog messages

Command Mode

- /exec

show logging level fabric forwarding

show logging level fabric forwarding

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)

Command Mode

- /exec

show logging level fabricpath isis

show logging level fabricpath isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fabricpath	Show fabricpath logging configuration
isis	Show ISIS logging configuration

Command Mode

- /exec

show logging level fabricpath switch-id

show logging level fabricpath switch-id

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fabricpath	fabricpath information
switch-id	show fabricpath switch-id logging configuration

Command Mode

- /exec

show logging level fc2d

show logging level fc2d

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level fcdomain

show logging level fcdomain

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcdomain	Show fcdomain logging configuration

Command Mode

- /exec

show logging level fcns

show logging level fcns

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcns	Show fcns logging configuration

Command Mode

- /exec

show logging level fcoe_mgr

show logging level fcoe_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcoe_mgr	Show fcoe_mgr logging configuration

Command Mode

- /exec

show logging level fcs

show logging level fcs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level fdmi

show logging level fdmi

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fdmi	Show fdmi logging configuration

Command Mode

- /exec

show logging level feature-mgr

show logging level feature-mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
feature-mgr	Show feature manager logging configuration

Command Mode

- /exec

show logging level flogi

show logging level flogi

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
flogi	Show flogi logging configuration

Command Mode

- /exec

show logging level fs-daemon

show logging level fs-daemon

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fs-daemon	Show fs-daemon logging configuration

Command Mode

- /exec

show logging level fspf

show logging level fspf

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level fsync_mgr

show logging level fsync_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fsync_mgr	Frequency Synchronization Manager

Command Mode

- /exec

show logging level gpixm

show logging level gpixm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
gpixm	Show global-pixm logging configuration

Command Mode

- /exec

show logging level hardware-telemetry

show logging level hardware-telemetry

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hardware-telemetry	Show hardware-telemetry logging configuration

Command Mode

- /exec

show logging level hsrp

show logging level hsrp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hsrp	Show HSRP logging configuration

Command Mode

- /exec

show logging level icam

show logging level icam

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
icam	Show icam logging configuration

Command Mode

- /exec

show logging level igmp

show logging level [ip] igmp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
igmp	Show igmp logging configuration

Command Mode

- /exec

show logging level im

show logging level im

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
im	Show im logging configuration

Command Mode

- /exec

show logging level imp

show logging level imp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
imp	Show imp logging configuration

Command Mode

- /exec

show logging level interface-vlan

show logging level interface-vlan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
interface-vlan	Show interface-vlan logging configuration

Command Mode

- /exec

show logging level ip sla responder

show logging level ip sla responder

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
responder	Show sla-responder logging configuration

Command Mode

- /exec

show logging level ip sla sender

show logging level ip sla sender

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
sender	Show sla-sender logging configuration

Command Mode

- /exec

show logging level ip sla twamp-server

show logging level ip sla twamp-server

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
twamp-server	Show sla-twamp-server logging configuration

Command Mode

- /exec

show logging level ipconf

show logging level ipconf [ipv6]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipconf	Show ipconf logging configuration
ipv6	(Optional) Show ipv6 Conf logging configuration

Command Mode

- /exec

show logging level ipfib

show logging level ipfib

Syntax Description

show	show
logging	logging
level	level
ipfib	ipfib

Command Mode

- /exec

show logging level ipqos

show logging level ipqos

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level ipv6 icmp

show logging level ipv6 icmp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Configure IPv6 features
icmp	Show icmpv6 logging configuration

Command Mode

- /exec

show logging level ipv6 mfwd

show logging level ipv6 mfwd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Display IPv6 information
mfwd	Show MCASTFWD v6 logging configuration

Command Mode

- /exec

show logging level ipv6 pim

show logging level ipv6 pim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Display IPv6 information
pim	Show pim6 logging configuration

Command Mode

- /exec

show logging level iscm

show logging level iscm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
iscm	Show iscm logging configuration

Command Mode

- /exec

show logging level iscm

show logging level iscm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
iscm	Show iscm logging configuration

Command Mode

- /exec

show logging level isis

show logging level isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
isis	Show ISIS logging configuration

Command Mode

- /exec

show logging level l2fm

show logging level l2fm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l2fm	Show l2fm logging configuration

Command Mode

- /exec

show logging level l3vm

show logging level l3vm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l3vm	Show L3VM logging configuration

Command Mode

- /exec

show logging level lacp

show logging level lacp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lacp	Show lacp logging configuration

Command Mode

- /exec

show logging level ldap

show logging level ldap

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ldap	Show ldap logging configuration

Command Mode

- /exec

show logging level lim

show logging level lim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lim	Show lim logging configuration

Command Mode

- /exec

show logging level lisp

show logging level lisp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lisp	Show lisp logging configuration

Command Mode

- /exec

show logging level lldp

show logging level lldp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lldp	Show LLDP logging configuration

Command Mode

- /exec

show logging level m2rib

show logging level m2rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
m2rib	Show M2RIB logging configuration

Command Mode

- /exec

show logging level mfdm

show logging level mfdm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mfdm	Show mfdm logging configuration

Command Mode

- /exec

show logging level mfwd

show logging level { mfwd | mcastfwd }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mfwd	Show MCASTFWD logging configuration
mcastfwd	Show MCASTFWD logging configuration

Command Mode

- /exec

show logging level mld

show logging level [ipv6] mld

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	(Optional) Display IPv6 information
mld	Show MLD logging configuration

Command Mode

- /exec

show logging level mmode

show logging level mmode

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mmode	Show maintenance mode logging configuration

Command Mode

- /exec

show logging level module

show logging level module

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
module	Show module(linecard) manager logging configuration

Command Mode

- /exec

show logging level monitor

show logging level monitor

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
monitor	Show monitor logging configuration

Command Mode

- /exec

show logging level mpls manager

show logging level mpls manager

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
manager	Show MPLS manager logging configuration

Command Mode

- /exec

show logging level mpls switching

show logging level mpls switching

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
switching	Show mpls switching logging configuration

Command Mode

- /exec

show logging level msdp

show logging level [ip] msdp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
msdp	Show msdp logging configuration

Command Mode

- /exec

show logging level mvsh

show logging level mvsh

Syntax Description

show	Show commands
logging	Show message logging facilities
level	Show message logging facilities
mvsh	Show level for mvsh syslog messages

Command Mode

- /exec

show logging level nat

show logging level nat

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nat	Show NAT logging configurarion

Command Mode

- /exec

show logging level nbm

show logging level nbm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nbm	Show Non Blocking Multicast logging configuration

Command Mode

- /exec

show logging level netstack

show logging level netstack

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
netstack	Show netstack logging configuration

Command Mode

- /exec

show logging level nfm

show logging level nfm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nfm	Show NFM logging configuration

Command Mode

- /exec

show logging level ngmvpn

show logging level ngmvpn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ngmvpn	Show ngmvpn logging configuration

Command Mode

- /exec

show logging level ngoam

show logging level ngoam

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ngoam	Show ngoam logging level

Command Mode

- /exec

show logging level npv

show logging level npv

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
npv	Show npv logging configuration

Command Mode

- /exec

show logging level ntp

show logging level ntp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ntp	Show NTP logging settings.

Command Mode

- /exec

show logging level nve

show logging level nve

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nve	Show NVE logging configuration

Command Mode

- /exec

show logging level nxsdk

show logging level nxsdk

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nxsdk	NXOS SDK

Command Mode

- /exec

show logging level ofm

show logging level ofm

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ofm	Show ofm logging settings

Command Mode

- /exec

show logging level openflow

show logging level openflow

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
openflow	Show OpenFlow agent logging configuration

Command Mode

- /exec

show logging level ospf

show logging level ospf

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospf	Show OSPF logging configuration

Command Mode

- /exec

show logging level ospfv3

show logging level ospfv3

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospfv3	Display OSPFv3 status and configuration

Command Mode

- /exec

show logging level otv isis

show logging level otv isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
otv	Show OTV ISIS logging configuration
isis	Show OTV ISIS logging configuration

Command Mode

- /exec

show logging level pfstat

show logging level pfstat

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pfstat	Show pfstat logging configuration

Command Mode

- /exec

show logging level pim

show logging level [ip] pim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
pim	Show pim logging configuration

Command Mode

- /exec

show logging level pixm

show logging level pixm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pixm	Show vdc-local-pixm logging configuration

Command Mode

- /exec

show logging level pktmgr

show logging level pktmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pktmgr	Show pktmgr logging configuration

Command Mode

- /exec

show logging level platform

show logging level platform

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
platform	Show platform logging configuration

Command Mode

- /exec

show logging level plcmgr

show logging level plcmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level pltfm_config

show logging level pltfm_config

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pltfm_config	Show pltfm_config logging configuration

Command Mode

- /exec

show logging level pltm

show logging level pltm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pltm	Show pie logging configuration

Command Mode

- /exec

show logging level plugin

show logging level plugin

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
plugin	Show plugin logging configuration

Command Mode

- /exec

show logging level poed

show logging level poed

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
poed	Show PoE Daemon Logging Configuration

Command Mode

- /exec

show logging level port-channel

show logging level port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-channel	Show port-channel logging configuration

Command Mode

- /exec

show logging level port-profile

show logging level port-profile

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-profile	Show syslog level for port-profile

Command Mode

- /exec

show logging level port-resources

show logging level port-resources

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-resources	Show port-resources logging configuration

Command Mode

- /exec

show logging level port-security

show logging level port-security

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-security	Show port-security logging configuration

Command Mode

- /exec

show logging level port

show logging level port

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port	Show port logging configuration

Command Mode

- /exec

show logging level private-vlan

show logging level private-vlan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
private-vlan	Show interface-vlan logging configuration

Command Mode

- /exec

show logging level ptp

show logging level ptp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ptp	Show ptp logging configuration

Command Mode

- /exec

show logging level radius

show logging level radius

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
radius	Show radius logging configuration

Command Mode

- /exec

show logging level rd

show logging level rd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level res_mgr

show logging level res_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
res_mgr	Show res_mgr logging configuration

Command Mode

- /exec

show logging level rib

show logging level rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rib	Show rib logging configuration

Command Mode

- /exec

show logging level rip

show logging level rip

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rip	Show RIP logging configuration

Command Mode

- /exec

show logging level routing ipv6 multicast

show logging level routing ipv6 multicast

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information

Command Mode

- /exec

show logging level routing multicast

show logging level routing [ip | ipv4] multicast

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information

Command Mode

- /exec

show logging level rpm

show logging level rpm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rpm	Show RPM logging configuration

Command Mode

- /exec

show logging level rscn

show logging level rscn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rscn	Show RSCN logging configuration

Command Mode

- /exec

show logging level sal

show logging level sal

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sal	Show SAL logging configuration

Command Mode

- /exec

show logging level san-port-channel

show logging level san-port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

Command Mode

- /exec

show logging level san-port-channel

show logging level san-port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

Command Mode

- /exec

show logging level scheduler

show logging level scheduler

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
scheduler	Show scheduler logging configuration

Command Mode

- /exec

show logging level scsi-target

show logging level scsi-target

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
scsi-target	Show scsi-target logging configuration

Command Mode

- /exec

show logging level security

show logging level security

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
security	Show security logging configuration

Command Mode

- /exec

show logging level segment-routing

show logging level segment-routing

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
segment-routing	Show SR logging configuration

Command Mode

- /exec

show logging level session-mgr

show logging level session-mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
session-mgr	Show session-mgr logging configurarion

Command Mode

- /exec

show logging level sflow

show logging level sflow

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sflow	Show sFlow logging configuration

Command Mode

- /exec

show logging level smm

show logging level smm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
smm	Show Shared Memory Manager logging configuration

Command Mode

- /exec

show logging level snmpd

show logging level snmpd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
snmpd	Show SNMP logging configuration

Command Mode

- /exec

show logging level snmpmib_proc

show logging level snmpmib_proc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
snmpmib_proc	Show snmpmib_proc logging configuration

Command Mode

- /exec

show logging level spanning-tree

show logging level spanning-tree

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
spanning-tree	Show spanning-tree logging configuration

Command Mode

- /exec

show logging level spm

show logging level spm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
spm	Show spm logging configuration

Command Mode

- /exec

show logging level stripcl

show logging level stripcl

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
stripcl	Show stripcl logging configuration

Command Mode

- /exec

show logging level sync

show logging level sync

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sync	Show sync logging configuration

Command Mode

- /exec

show logging level sysmgr

show logging level sysmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sysmgr	Show sysmgr logging configuration

Command Mode

- /exec

show logging level tacacs

show logging level tacacs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tacacs	Show tacacs+ logging configuration

Command Mode

- /exec

show logging level telemetry

show logging level telemetry

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
telemetry	Show telemetry logging level

Command Mode

- /exec

show logging level template_manager

show logging level template_manager

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
template_manager	Show template manager logging configuration

Command Mode

- /exec

show logging level track

show logging level track

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
track	Show track logging configuration

Command Mode

- /exec

show logging level tunnel-encryption

show logging level tunnel-encryption

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tunnel-encryption	Show tunnel encryption manager logging configuration

Command Mode

- /exec

show logging level tunnel

show logging level tunnel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tunnel	Show tunnel logging settings

Command Mode

- /exec

show logging level u2rib

show logging level u2rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u2rib	Show U2RIB logging configuration

Command Mode

- /exec

show logging level u6rib

show logging level u6rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u6rib	Show U6RIB logging configuration

Command Mode

- /exec

show logging level udd

show logging level udd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
udd	Show udd logging configuration

Command Mode

- /exec

show logging level ufdm

show logging level ufdm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ufdm	Show ufdm logging configuration

Command Mode

- /exec

show logging level urib

show logging level urib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
urib	Show URIB logging configuration

Command Mode

- /exec

show logging level vdc_mgr

show logging level vdc_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vdc_mgr	Show vdc manager logging configuration

Command Mode

- /exec

show logging level virtual-service

show logging level virtual-service

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
virtual-service	Show virtualization manager logging configuration

Command Mode

- /exec

show logging level vlan_mgr

show logging level vlan_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vlan_mgr	Show vlan manager logging configuration

Command Mode

- /exec

show logging level vmm

show logging level vmm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vmm	Show vmm logging configuration

Command Mode

- /exec

show logging level vmtracker

show logging level vmtracker

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vmtracker	Show vmtracker logging configuration

Command Mode

- /exec

show logging level vpc

show logging level vpc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vpc	Show vPC logging configuration

Command Mode

- /exec

show logging level vrrp-cfg

show logging level vrrp-cfg

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-cfg	Show vrrp-cfg logging configuration

Command Mode

- /exec

show logging level vrrp-eng

show logging level vrrp-eng

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-eng	Show vrrp-eng logging configuration

Command Mode

- /exec

show logging level vrrpv3

show logging level vrrpv3

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrpv3	level for vrrpv3 configuration

Command Mode

- /exec

show logging level vsan

show logging level vsan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vsan	Show vsan logging configuration

Command Mode

- /exec

show logging level vshd

show logging level vshd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level vtp

show logging level vtp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vtp	Show vtp logging configuration

Command Mode

- /exec

show logging level wwn

show logging level wwn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
wwn	Show wwn logging configuration

Command Mode

- /exec

show logging level xbar

show logging level xbar

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level zone

show logging level zone

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging logfile

show logging logfile

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile

Command Mode

- /exec

show logging logfile duration

show logging logfile duration <s1>

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
duration	show messages from logfile of last given duration
<i>s1</i>	Enter hour, minutes, seconds of duration as HH:MM:SS

Command Mode

- /exec

show logging logfile last-index

show logging logfile last-index

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
last-index	Show the sequence-number of the last message in logfile

Command Mode

- /exec

show logging logfile start-seqn

show logging logfile start-seqn <i0> [end-seqn <i1>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-seqn	Show messages from logfile from a given start-sequence-number
<i>i0</i>	Enter starting sequence number
end-seqn	(Optional) Show messages from logfile from a given end-sequence-number
<i>i1</i>	(Optional) Enter ending sequence number

Command Mode

- /exec

show logging logfile start-time

show logging logfile start-time <i0> <s0> <i1> <s1> [end-time <i2> <s2> <i3> <s3>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-time	Show messages from logfile from a given start-time
<i>i0</i>	Enter year in YYYY format
<i>s0</i>	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>i1</i>	Enter day of month in dd format
<i>s1</i>	Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from logfile up to a given end-time
<i>i2</i>	(Optional) Enter year in YYYY format
<i>s2</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>i3</i>	(Optional) Enter day of month in dd format
<i>s3</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

show logging loopback

show logging loopback

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
loopback	Show logging loopback configuration

Command Mode

- /exec

show logging module

show logging module

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
module	Show module(linecard) logging configuration

Command Mode

- /exec

show logging monitor

show logging monitor

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
monitor	Show monitor logging configuration

Command Mode

- /exec

show logging nvram

```
show logging nvram [ [ { last <i0> } ] [ __readonly__ [ <error> ] [ { TABLE_nvram <log> } ] ] ]
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
nvram	Show NVRAM log
last	(Optional) Show last few lines of nvram log
<i>i0</i>	(Optional) Enter number of lines to display
__readonly__	(Optional)
<i>error</i>	(Optional) error message
TABLE_nvram	(Optional) nvram log prints
<i>log</i>	(Optional) single log line

Command Mode

- /exec

show logging onboard

```
show logging onboard { counter-stats | endtime <s0> [ { counter-stats | internal { <dc3_options> } } ] | internal
{ <dc3_options> } | module <module> { counter-stats | endtime1 <s1> [ { counter-stats | internal {
<dc3_options> } } ] | internal { <dc3_options> } | starttime <s2> [ { counter-stats | endtime2 <s3> [ {
counter-stats | internal { <dc3_options> } } ] | internal { <dc3_options> } } ] | starttime1 <s4> [ { counter-stats
| endtime3 <s5> [ { counter-stats | internal { <dc3_options> } } ] | internal { <dc3_options> } } ] }
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
counter-stats	Show OBFL counter statistics
endtime	Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s0</i>	End time format - mm/dd/yy-HH:MM:SS
internal	(Optional) Show Logging Onboard Internal
module	Show OBFL information for Module
<i>module</i>	Enter module number
endtime1	Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s1</i>	End time format - mm/dd/yy-HH:MM:SS
starttime	Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s2</i>	Start time format - mm/dd/yy-HH:MM:SS
endtime2	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s3</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
starttime1	Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s4</i>	Start time format - mm/dd/yy-HH:MM:SS
endtime3	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s5</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
<i>dc3_options</i>	(Optional) dc3 options

Command Mode

- /exec

show logging onboard

```
show logging onboard [ card-first-power-on | card-boot-history | <common_options> | endtime <s0> [ {
<common_options> | error-stats [ port <i0> ] } ] | error-stats [ port1 <i1> ] | module <module> [
<common_options> | endtime1 <s1> [ { <common_options> | error-stats [ port3 <i3> ] } ] | error-stats [ port4
<i4> ] | starttime <s2> [ { <common_options> | endtime2 <s3> [ { <common_options> | error-stats [ port6
<i6> ] } ] | error-stats [ port7 <i7> ] } ] | card-first-power-on | card-boot-history ] | obfl-logs | starttime1 <s4>
[ { <common_options> | endtime3 <s5> [ { <common_options> | error-stats [ port8 <i8> ] } ] | error-stats [
port9 <i9> ] } ] | credit-loss [ module <module> [ last <last_no> { minutes | hours | days } ] | last <last_no>
{ minutes | hours | days } ] | flow-control { pause-count [ module <module> [ last <last_no> { minutes | hours
| days } ] | last <last_no> { minutes | hours | days } ] | pause-events [ module <module> [ last <last_no> {
minutes | hours | days } ] | last <last_no> { minutes | hours | days } ] | request-timeout [ module <module> ]
| timeout-drops [ module <module> [ port10 <i10> [ last <last_no> { minutes | hours | days } ] | last <last_no>
{ minutes | hours | days } ] | last <last_no> { minutes | hours | days } ] } ] }
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
card-first-power-on	(Optional) show card first power on information
card-boot-history	(Optional) show card boot history
endtime	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s0</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
error-stats	(Optional) Show OBFL error statistics
port	(Optional) Show OBFL error statistics for a port
<i>i0</i>	(Optional)
<i>common_options</i>	(Optional) give the options
port1	(Optional) Show OBFL error statistics for a port
<i>i1</i>	(Optional)
module	(Optional) Show OBFL information for Module
<i>module</i>	(Optional) Enter module number
endtime1	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s1</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
port3	(Optional) Show OBFL error statistics for a port
<i>i3</i>	(Optional)

port4	(Optional) Show OBFL error statistics for a port
<i>i4</i>	(Optional)
starttime	(Optional) Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s2</i>	(Optional) Start time format - mm/dd/yy-HH:MM:SS
endtime2	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s3</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
port6	(Optional) Show OBFL error statistics for a port
<i>i6</i>	(Optional)
port7	(Optional) Show OBFL error statistics for a port
<i>i7</i>	(Optional)
starttime1	(Optional) Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s4</i>	(Optional) Start time format - mm/dd/yy-HH:MM:SS
endtime3	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s5</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
port8	(Optional) Show OBFL error statistics for a port
<i>i8</i>	(Optional)
port9	(Optional) Show OBFL error statistics for a port
<i>i9</i>	(Optional)
obfl-logs	(Optional) Show OBFL Tech Support Log.
timeout-drops	(Optional) Show OBFL Timeout Drops logs
port10	(Optional) Show OBFL statistics per port basis
<i>i10</i>	(Optional)
credit-loss	(Optional) Show OBFL Credit Loss logs
last	(Optional) Show last min/hour/day logs
<i>last_no</i>	(Optional) Duration in min/hrs/day
minutes	(Optional) entry in minutes
hours	(Optional) entry in hours
days	(Optional) entry in days
request-timeout	(Optional) Show OBFL request timeout log

flow-control	(Optional) Show OBFL Flow Control log
pause-count	(Optional) Show Flow Control Pause Count Logs
pause-events	(Optional) Show Flow Control Pause Event Logs

Command Mode

- /exec

show logging onboard kernel-trace

show logging onboard kernel-trace

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
kernel-trace	Show OBFL Kernel Trace

Command Mode

- /exec

show logging origin-id

show logging origin-id

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
origin-id	Show logging origin id configuration

Command Mode

- /exec

show logging pending-diff

show logging pending-diff

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending-diff	server address pending configuration diff

Command Mode

- /exec

show logging pending

show logging pending

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending	server address pending configuration

Command Mode

- /exec

show logging rate-limit

show logging rate-limit

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
rate-limit	Show rate limit configuration

Command Mode

- /exec

show logging rfc-strict

show logging rfc-strict

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
rfc-strict	Show RFC to which messages are compliant

Command Mode

- /exec

show logging server

```
show logging server [ __readonly__ [ <server_status> ] [ { TABLE_logserv <server> <forwarding> <severity>
<facility> <vrf> <port> [ <transport> ] } ] ]
```

Syntax Description

<code>show</code>	Show running system information
<code>logging</code>	Show logging configuration and contents of logfile
<code>server</code>	Show server logging configuration
<code>__readonly__</code>	(Optional)
<code>server_status</code>	(Optional) logging server configured
<code>TABLE_logserv</code>	(Optional) output of show logging server
<code>server</code>	(Optional) remote server address
<code>forwarding</code>	(Optional) remote server forwarding
<code>severity</code>	(Optional) remote server severity
<code>facility</code>	(Optional) remote server facility
<code>vrf</code>	(Optional) remote server vrf
<code>port</code>	(Optional) remote server port
<code>transport</code>	(Optional) remote server transport

Command Mode

- /exec

show logging session status

show logging session status

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
session	Show logging session status
status	Show logging session status

Command Mode

- /exec

show logging source-interface

show logging source-interface

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
source-interface	Show logging source-interface configuration

Command Mode

- /exec

show logging status

show logging status

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
status	Show logging status

Command Mode

- /exec

show logging timestamp

show logging timestamp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
timestamp	Show logging timestamp configuration

Command Mode

- /exec

show login on-failure log

show login on-failure log [__readonly__ [<status>]]

Syntax Description

show	show
login	login
on-failure	authentication failure
log	Log
__readonly__	(Optional)
<i>status</i>	(Optional) login on failure log enabled or disabled

Command Mode

- /exec

show login on-successful log

show login on-successful log [__readonly__ [<status>]]

Syntax Description

show	show
login	login
on-successful	authentication successful
log	Log
__readonly__	(Optional)
<i>status</i>	(Optional) login on successful log enabled or disabled

Command Mode

- /exec

show login on-successful log



M Show Commands

- [show mac-list](#), on page 2149
- [show mac-move policy](#), on page 2150
- [show mac address-table](#), on page 2151
- [show mac address-table](#), on page 2153
- [show mac address-table aging-time](#), on page 2155
- [show mac address-table count](#), on page 2156
- [show mac address-table count es](#), on page 2158
- [show mac address-table limit](#), on page 2159
- [show mac address-table limit user-defined](#), on page 2160
- [show mac address-table loop-detect](#), on page 2161
- [show mac address-table multicast](#), on page 2162
- [show mac address-table notification mac-move](#), on page 2163
- [show macsec mka](#), on page 2164
- [show macsec mka session](#), on page 2165
- [show macsec mka statistics](#), on page 2168
- [show macsec policy](#), on page 2173
- [show macsec secy statistics](#), on page 2174
- [show maintenance maint-delay](#), on page 2178
- [show maintenance on-reload reset-reasons](#), on page 2179
- [show maintenance profile](#), on page 2180
- [show maintenance snapshot-delay](#), on page 2181
- [show maintenance timeout](#), on page 2182
- [show mcast](#), on page 2183
- [show mdns-sd cache](#), on page 2184
- [show mdns-sd controller detail](#), on page 2186
- [show mdns-sd controller export-summary](#), on page 2188
- [show mdns-sd controller service-list](#), on page 2189
- [show mdns-sd controller service-policy](#), on page 2190
- [show mdns-sd controller statistics](#), on page 2191
- [show mdns-sd controller summary](#), on page 2192
- [show mdns-sd filter-results](#), on page 2193
- [show mdns-sd service-definition](#), on page 2194
- [show mdns-sd service-list](#), on page 2195

- [show mdns-sd service-policy](#), on page 2196
- [show mdns-sd statistics global](#), on page 2197
- [show mdns-sd statistics raw-stats](#), on page 2199
- [show mdns-sd summary](#), on page 2200
- [show mdns-sd summary vlan](#), on page 2201
- [show module](#), on page 2202
- [show module bandwidth-fairness](#), on page 2205
- [show module port type](#), on page 2206
- [show module uptime](#), on page 2207
- [show monitor](#), on page 2208
- [show monitor session](#), on page 2209
- [show mpls extended-ecmp](#), on page 2213
- [show mpls forwarding statistics](#), on page 2214
- [show mpls interfaces](#), on page 2216
- [show mpls interfaces detail](#), on page 2217
- [show mpls interfaces statistics](#), on page 2218
- [show mpls ip bindings](#), on page 2219
- [show mpls ip bindings summary](#), on page 2222
- [show mpls ip ttl](#), on page 2223
- [show mpls label range](#), on page 2224
- [show mpls load-sharing](#), on page 2225
- [show mpls oam echo statistics](#), on page 2226
- [show mpls static binding](#), on page 2228
- [show mpls strip labels](#), on page 2230
- [show mpls switching](#), on page 2231
- [show mpls switching clients](#), on page 2235
- [show mts-buildup check](#), on page 2237
- [show mvpn bgp mdt](#), on page 2238
- [show mvpn bgp mdt](#), on page 2239
- [show mvpn mdt encaps](#), on page 2240
- [show mvpn mdt encaps](#), on page 2241
- [show mvpn mdt route](#), on page 2242
- [show mvpn mdt route](#), on page 2243
- [show mvr](#), on page 2244
- [show mvr groups](#), on page 2245
- [show mvr interface](#), on page 2246
- [show mvr members](#), on page 2247
- [show mvr members count](#), on page 2248
- [show mvr members vlan](#), on page 2249
- [show mvr receiver-ports](#), on page 2250
- [show mvr source-ports](#), on page 2251

show mac-list

```
show mac-list { [ { <maclist-name> | <maclist-cfg-name> } [ { seq <seq_no> | { <mac_addr> [ <mac_mask> ] } } ] ] } [ __readonly__ TABLE_mac_list <name> <seq> <action> <rule> ]
```

Syntax Description

show	Show running system information
mac-list	Show mac-lists
<i>maclist-name</i>	(Optional) Name of mac-list
<i>maclist-cfg-name</i>	(Optional) Known mac-list name
seq	(Optional) Sequence number
<i>seq_no</i>	(Optional) Sequence number
<i>mac_addr</i>	(Optional) MAC address
<i>mac_mask</i>	(Optional) MAC mask
<i>__readonly__</i>	(Optional)
TABLE_mac_list	(Optional)
<i>name</i>	(Optional)
<i>seq</i>	(Optional)
<i>action</i>	(Optional)
<i>rule</i>	(Optional)

Command Mode

- /exec

show mac-move policy

show mac-move policy [*__readonly__* <policy> <threshold> <intvl> <hold-intvl>]

Syntax Description

show	Show
mac-move	Display mac-move policy
policy	Display mac-move policy
<i>__readonly__</i>	(Optional)
<i>policy</i>	(Optional) MAC move policy enabled
<i>threshold</i>	(Optional) MAC move policy threshold
<i>intvl</i>	(Optional) MAC move policy detect interval
<i>hold-intvl</i>	(Optional) MAC move policy hold interval

Command Mode

- /exec

show mac address-table

```
show mac address-table <module> [ count ] [ static | dynamic | secure ] [ { [ address1 <mac-addr> | switch-id
<swid> [ sub-switch-id <sswid> ] } | vlan1 <id> | [ vdc1 <vdc> | <e-vdc> ] | fe1 <feid> ] + } | { [ address
<mac-addr> | interface <interface-name> | vlan <id> | [ vdc <vdc> | <e-vdc> ] | fe <feid> ] + } ] [ hex ] [
__readonly__ <entrycount> <l2entry> <header> <pi_e> <age> <rm> <ifname> <sec> <ntfy> <type> ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
<i>module</i>	Module Number
count	(Optional) Number of entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
address	(Optional) address
address1	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
interface	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
vlan	(Optional) VLAN
vlan1	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
vdc	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vdc1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vdc</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

<i>e-vdc</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>fe</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>fel</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>feid</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>hex</i>	(Optional) display swid/sswid/lid in hex
<i>__readonly__</i>	(Optional)
<i>header</i>	(Optional) Header
<i>pi_e</i>	(Optional) Primary Interface of EARL
<i>age</i>	(Optional) Last seen age in seconds
<i>rm</i>	(Optional) RM
<i>ifname</i>	(Optional) interface name as string
<i>sec</i>	(Optional) secure
<i>ntfy</i>	(Optional) notify
<i>entrycount</i>	(Optional) Number of L2 entries
<i>l2entry</i>	(Optional) L2 Entry String
<i>type</i>	(Optional) MAC type - Static or Dynamic

Command Mode

- /exec

show mac address-table

```
show mac address-table [ static | dynamic | secure ] [ local ] [ { [ address1 <mac-addr> | { switch-id <swid>
[ sub-switch-id <sswid> ] } | vlan1 <id> ] + } | { [ address <mac-addr> | interface <interface-name> | vlan
<id> ] + } | { [ address2 <mac-addr> | interface1 <interface-name> | vni <vni-id> | [ peer-ip <peer-ipv4> |
peer-ipv6 <peer-ipv6> ] ] + } | { [ address3 <mac-addr> | interface2 <interface-name> | vni1 <vni-id> | es {
<esid-opt1> | <esid-opt2> | all } ] + } ] [ __readonly__ [ { 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
mac	MAC configuration commands
address-table	MAC Address Table
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
address	(Optional) address
address1	(Optional) address
address2	(Optional) address
address3	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
interface	(Optional) Interface
interface1	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
interface2	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name

vlan	(Optional) VLAN
vlan1	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
vni	(Optional) VXLAN Network Identifier
vni1	(Optional) VXLAN Network Identifier
<i>vni-id</i>	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
<i>peer-ipv4</i>	(Optional) VXLAN Peer IP Address
peer-ipv6	(Optional) VXLAN Peer IPv6 Address
es	(Optional) EVPN Remote ESID
<i>esid-opt1</i>	(Optional) EE:EE:EE:EE:EE:EE:EE:EE:EE:EE ESID Option 1
<i>esid-opt2</i>	(Optional) EEEE.EEEE.EEEE.EEEE.EEEE ESID Option 2
all	(Optional) all ESIs
__readonly__	(Optional)
TABLE_mac_address	(Optional) Mac address table
<i>disp_is_static</i>	(Optional) Static/Dynamic

Command Mode

- /exec

show mac address-table aging-time

show mac address-table aging-time [*__readonly__* <age_str> <age>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
aging-time	Configured/default age
<i>__readonly__</i>	(Optional)
<i>age_str</i>	(Optional) Age info
<i>age</i>	(Optional) Age time

Command Mode

- /exec

show mac address-table count

```
show mac address-table count [ static | dynamic | secure ] [ local ] [ { [ interface <interface-name> | { switch-id
<swid> [ sub-switch-id <sswid> ] } | vlan <id> ] + } | { [ interface1 <interface-name> | vni <vni-id> | [ peer-ip
<peer-ipv4> | peer-ipv6 <peer-ipv6> ] ] + } ] [ __readonly__ TABLE-macaddtblcount [ <id-out> ] [ <count_str>
] [ <dyn_cnt> ] [ <otv_cnt> ] [ <rvtep_static_cnt> ] [ <static_cnt> ] [ <secure_cnt> ] [ <total_cnt> ] ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
vlan	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
interface	(Optional) Interface
interface1	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
vni	(Optional) VXLAN Network Identifier
<i>vni-id</i>	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
<i>peer-ipv4</i>	(Optional) VXLAN Peer IP Address
peer-ipv6	(Optional) VXLAN Peer IPv6 Address
<i>__readonly__</i>	(Optional)

<i>TABLE-macaddtblcount</i>	(Optional) MAC Address Dynamic Count Table
<i>id-out</i>	(Optional) MAC Address Table VLAN ID
<i>count_str</i>	(Optional) Count info
<i>total_cnt</i>	(Optional) Total count
<i>dyn_cnt</i>	(Optional) Dynamic count
<i>otv_cnt</i>	(Optional) OTV count
<i>static_cnt</i>	(Optional) Static count
<i>rvtep_static_cnt</i>	(Optional) RVTEP Static count
<i>secure_cnt</i>	(Optional) Secure count

Command Mode

- /exec

show mac address-table count es

```
show mac address-table count es { <es-id> | <es-id2> | all } [ __readonly__ { [ <es-id> ] [ <count> ] [
TABLE_macaddtblcount <es-idx> <es-count> ] } ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
es	EVPN Remote ESID
<i>es-id</i>	EE:EE:EE:EE:EE:EE:EE:EE:EE ESID
<i>es-id2</i>	EEEE.EEEE.EEEE.EEEE.EEEE ESID
all	all ESIs
__readonly__	(Optional)
<i>es-id</i>	(Optional) Specific ESID
<i>count</i>	(Optional) Number of entries for specific ESID
TABLE_macaddtblcount	(Optional) Display all ESID and its count in mac table
<i>es-idx</i>	(Optional) ESID
<i>es-count</i>	(Optional) Number of entries

Command Mode

- /exec

show mac address-table limit

show mac address-table limit { all | system | vlan | interface } [__readonly__ <limit_str> <limit>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
limit	Configured/default mac limit
__readonly__	(Optional)
<i>limit_str</i>	(Optional) Limit info
<i>limit</i>	(Optional) Mac limit
all	Display Mac Limit All
system	System-wide
vlan	VLAN
interface	Interface

Command Mode

- /exec

show mac address-table limit user-defined

show mac address-table limit user-defined [*__readonly__* <*user_cnt*> <*fhrp_cnt*>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
limit	mac limit
user-defined	limit the number of unique mac addresses used on any type of L3 interface
<i>__readonly__</i>	(Optional)
<i>user_cnt</i>	(Optional) user defined mac limit
<i>fhrp_cnt</i>	(Optional) fhrp limit

Command Mode

- /exec

show mac address-table loop-detect

show mac address-table loop-detect [__readonly__ <port_loop_detect>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC
loop-detect	Display Action for Mac Loop Detection
__readonly__	(Optional)
<i>port_loop_detect</i>	(Optional) Display Port Down Action Mac Loop Detect is enabled or disabled

Command Mode

- /exec

show mac address-table multicast

```
show mac address-table multicast [ vlan <vlan> | bridge-domain <bdid> ] [ __readonly__ [ TABLE_mac [
<vlan-id> ] [ <mac-addr> ] [ <type> ] [ <age> ] [ TABLE_oif [ <oifs> ] ] ] ] ]
```

Syntax Description

show	Show running system information
mac	MAC configuration commands
address-table	MAC Address Table
multicast	mcast mac OIF Static Entry
vlan	(Optional) VLAN
<i>vlan</i>	(Optional) VLAN
bridge-domain	(Optional) BD
<i>bdid</i>	(Optional) BD
<i>__readonly__</i>	(Optional)
TABLE_mac	(Optional)
<i>vlan-id</i>	(Optional)
<i>mac-addr</i>	(Optional)
<i>type</i>	(Optional)
<i>age</i>	(Optional)
TABLE_oif	(Optional)
<i>oifs</i>	(Optional)

Command Mode

- /exec

show mac address-table notification mac-move

```
show mac address-table notification mac-move [ __readonly__ TABLE_mac_notif <disp_mm_status>
<disp_mm_triggers> <disp_macs_added> <disp_macs_moved> <disp_macs_moved_border>
<disp_macs_removed> ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
notification	Display Notification Information
mac-move	Mac Move Notification
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_mac_notif</i>	(Optional) Mac address notification table
<i>disp_mm_status</i>	(Optional) Mac Move Status
<i>disp_mm_triggers</i>	(Optional) # of triggers
<i>disp_macs_added</i>	(Optional) Number of MACs added since system bring up
<i>disp_macs_removed</i>	(Optional) Number of MACs removed since system bring up
<i>disp_macs_moved</i>	(Optional) Number of MACs moved since system bring up
<i>disp_macs_moved_border</i>	(Optional) Number of MACs moved border since system bring up

Command Mode

- /exec

show macsec mka

```
show macsec mka [ summary ] [ __readonly__ [ <macsec_status> ] [ TABLE_mka_summary <ifname>
<status> <cipher> <keyserver> <policy> <keychain> <fallback_keychain> ] ]
```

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
summary	(Optional) Show MKA summary information
__readonly__	(Optional)
<i>macsec_status</i>	(Optional) Macsec status
TABLE_mka_summary	(Optional)
<i>ifname</i>	(Optional) Interface
<i>status</i>	(Optional) MACSEC Session status
<i>cipher</i>	(Optional) Operational MACSEC Cipher-suite
<i>keyserver</i>	(Optional) Is this acting as interface key-server
<i>policy</i>	(Optional) MACSEC Policy applied to interface
<i>keychain</i>	(Optional) Keychain associated with interface
<i>fallback_keychain</i>	(Optional) Keychain associated with interface

Command Mode

- /exec

show macsec mka session

```
show macsec mka session [ interface <ifname> ] [ details ] [ __readonly__ [ <macsec_status> ] [
TABLE_mka_session <ifname> <sci> <peers> <status> <keyserver><ca_auth_mode> ] [ <sessions>
<active_sessions> <pending_sessions> ] [ TABLE_mka_session_details <ifname> <status> <sci> <ssci>
<port_id> <ckn> <ca_auth_mode> <mi> <mn> <policy> <ks_prio> <keyserver> <include_icv_indicator>
<include_sci> <cipher> <cipher_operational> <window> <conf_offset> <conf_offset_operational> <sak_status>
<sak_an> <sak_ki> <sak_kn> <last_sak_rekey_time> <peer_count> <mac_addr> <ether_type> [
TABLE_mka_peer_status <peer_mi> <rxsci> <icv_status> <last_rx_time> ] [ TABLE_mka_fallback
<fallback_ckn> <fallback_mi> <fallback_mn> [ TABLE_mka_fallback_peer <fallback_peer_mi>
<fallback_rxsci> <fallback_icv_status> <fallback_last_rx_time> ] ] ] ] ]
```

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
session	Show MKA session information
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list
details	(Optional) Show MKA detailed information
<i>__readonly__</i>	(Optional)
<i>macsec_status</i>	(Optional) macsec status
TABLE_mka_session	(Optional)
<i>ifname</i>	(Optional) Interface
<i>sci</i>	(Optional) Interface local TxSCI
<i>peers</i>	(Optional) Number of Peers
<i>status</i>	(Optional) Macsec status of Interface
<i>keyserver</i>	(Optional) Interface keyserver
<i>include_icv_indicator</i>	(Optional) Include ICV indicator in MKDPUs
<i>include_sci</i>	(Optional) Include SCI in secTag
<i>ca_auth_mode</i>	(Optional) CA Authentication Mode
TABLE_mka_session_details	(Optional)
<i>ifname</i>	(Optional) Interface

<i>status</i>	(Optional) Session Status
<i>sci</i>	(Optional) Interface local TxSCI
<i>ssci</i>	(Optional) Interface local TxSSCI
<i>port_id</i>	(Optional) MKA Port Identifier
<i>ckn</i>	(Optional) CAK Name
<i>mi</i>	(Optional) Member Identifier
<i>mn</i>	(Optional) Message Number
<i>policy</i>	(Optional) MACSEC Policy
<i>ks_prio</i>	(Optional) Key-server Priority
<i>cipher</i>	(Optional) MKA Cipher Suite
<i>cipher_operational</i>	(Optional) MKA Cipher Suite Operational
<i>window</i>	(Optional) Replay Window Size
<i>conf_offset</i>	(Optional) Confidentiality Offset
<i>conf_offset_operational</i>	(Optional) Confidentiality Offset Operational
<i>sak_status</i>	(Optional) SAK Status
<i>sak_an</i>	(Optional) SAK AN
<i>sak_ki</i>	(Optional) SAK KI
<i>sak_kn</i>	(Optional) SAK KN
<i>last_sak_rekey_time</i>	(Optional) Last SAK rekey
<i>peer_count</i>	(Optional) Peer Count
<i>mac_addr</i>	(Optional) Eapol Dest mac
<i>ether_type</i>	(Optional) Eapol ether type
TABLE_mka_peer_status	(Optional)
<i>peer_mi</i>	(Optional) Peer MI
<i>rxsci</i>	(Optional) RxSCI
<i>icv_status</i>	(Optional) Peer CAK
<i>last_rx_time</i>	(Optional) Latest Rx MKPDU
TABLE_mka_fallback	(Optional)
<i>fallback_ckn</i>	(Optional) Fallback CAK Name

<i>fallback_mi</i>	(Optional) Fallback Member Identifier
<i>fallback_mn</i>	(Optional) Fallback Message Number
TABLE_mka_fallback_peer	(Optional)
<i>fallback_peer_mi</i>	(Optional) Peer MI
<i>fallback_rxsci</i>	(Optional) RxSCI
<i>fallback_icv_status</i>	(Optional) Peer CAK
<i>fallback_last_rx_time</i>	(Optional) Latest Rx MKPDU
<i>sessions</i>	(Optional) Total number of Sessions
<i>active_sessions</i>	(Optional) Count of Active Sessions
<i>pending_sessions</i>	(Optional) Count of Pending Sessions

Command Mode

- /exec

<code>mka</code>	Show MKA information
<code>statistics</code>	Show MKA statistics
<code>interface</code>	(Optional) Specify interface
<code>ifname</code>	(Optional) Interface list
<code>__readonly__</code>	(Optional)
<code>macsec_status</code>	(Optional) Macsec status
<code>TABLE_mka_intf_stats</code>	(Optional) MKA Interface statistics
<code>TABLE_ca_stats</code>	(Optional) CA Statistics
<code>ca_stat_ckn</code>	(Optional) CA Statistics CKN
<code>ca_stat_pairwise_cak_rekey</code>	(Optional) CA Statistics Pairwise CAK Rekey
<code>sa_stat_sak_generated</code>	(Optional) SA Statistics SAK generated
<code>sa_stat_sak_rekey</code>	(Optional) SA Statistics SAK rekey
<code>sa_stat_sak_received</code>	(Optional) SA Statistics SAK received
<code>sa_stat_sak_response_rx</code>	(Optional) SA Statistics SAK response received
<code>mkpdu_stat_mkpdu_tx</code>	(Optional) MKPDU Statistics MKPDU Tx
<code>mkpdu_stat_mkpdu_tx_distsak</code>	(Optional) MKPDU Statistics MKPDU Tx distributed SAK
<code>mkpdu_stat_mkpdu_rx</code>	(Optional) MKPDU Statistics MKPDU Rx
<code>mkpdu_stat_mkpdu_rx_distsak</code>	(Optional) MKPDU Statistics MKPDU Rx distributed SAK
<code>TABLE_idb_stats</code>	(Optional) IDB Statistics
<code>ca_stat_pairwise_cak_rekey</code>	(Optional) CA Statistics pairwise CAK rekey
<code>sa_stat_sak_generated</code>	(Optional) SA Statistics SAK generated
<code>sa_stat_sak_rekey</code>	(Optional) SA Statistics SAK rekey
<code>sa_stat_sak_received</code>	(Optional) SA Statistics SAK received
<code>sa_stat_sak_response_rx</code>	(Optional) SA Statistics SAK response received
<code>mkpdu_stat_mkpdu_tx</code>	(Optional) MKPDU Statistics MKPDU Tx
<code>mkpdu_stat_mkpdu_tx_distsak</code>	(Optional) MKPDU Statistics MKPDU Tx distributed SAK
<code>mkpdu_stat_mkpdu_rx</code>	(Optional) MKPDU Statistics MKPDU Rx
<code>mkpdu_stat_mkpdu_rx_distsak</code>	(Optional) MKPDU Statistics MKPDU Rx distributed SAK
<code>idb_stat_mkpdu_tx_success</code>	(Optional) IDB Statistics MKPDU Tx success

show macsec mka statistics

<i>idb_stat_mkpdu_tx_fail</i>	(Optional) IDB Statistics MKPDU Tx fail
<i>idb_stat_mkpdu_tx_pkt_build_fail</i>	(Optional) IDB Statistics MKPDU Tx packet build fail
<i>idb_stat_mkpdu_no_tx_on_intf_down</i>	(Optional) IDB Statistics MKPDU no Tx on interface down
<i>idb_stat_mkpdu_no_rx_on_intf_down</i>	(Optional) IDB Statistics MKPDU no Rx on interface down
<i>idb_stat_mkpdu_rx_ca_notfound</i>	(Optional) IDB Statistics MKPDU Rx CA not found
<i>idb_stat_mkpdu_rx_error</i>	(Optional) IDB Statistics MKPDU Rx error
<i>idb_stat_mkpdu_rx_success</i>	(Optional) IDB Statistics MKPDU Rx success
<i>idb_stat_mkpdu_failure_rx_integrity_check_error</i>	(Optional) IDB Statistics - MKPDU failure - Rx integrity check error
<i>idb_stat_mkpdu_failure_invalid_peer_mn_error</i>	(Optional) IDB Statistics - MKPDU failure - invalid peer MN error
<i>idb_stat_mkpdu_failure_norecent_peerlist_mn_error</i>	(Optional) IDB Statistics - MKPDU failure - non recent peerlist MN error
<i>idb_stat_mkpdu_failure_sakuse_kn_mismatch_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse KN mismatch error
<i>idb_stat_mkpdu_failure_sakuse_rx_not_set_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse Rx not set error
<i>idb_stat_mkpdu_failure_sakuse_key_mi_mismatch_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse key MI mismatch error
<i>idb_stat_mkpdu_failure_sakuse_an_not_in_use_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse AN not in use error
<i>idb_stat_mkpdu_failure_sakuse_ks_rx_tx_not_set_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse KS Rx Tx not set error
<i>idb_stat_mkpdu_failure_sakuse_eapol_ethertype_mismatch_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse EAPOL ethertype mismatch error
<i>idb_stat_mkpdu_failure_sakuse_eapol_destmac_mismatch_error</i>	(Optional) IDB Statistics - MKPDU failure - SAKuse EAPOL destMAC mismatch error
<i>idb_stat_sak_failure_sak_generate_error</i>	(Optional) IDB Statistics - SAK failure - SAK generate error
<i>idb_stat_sak_failure_hash_generate_error</i>	(Optional) IDB Statistics - SAK failure - Hash generate error
<i>idb_stat_sak_failure_sak_encryption_error</i>	(Optional) IDB Statistics - SAK failure - SAK encryption error
<i>idb_stat_sak_failure_sak_decryption_error</i>	(Optional) IDB Statistics - SAK failure - SAK decryption error
<i>idb_stat_sak_failure_ick_derivation_error</i>	(Optional) IDB Statistics - SAK failure - ICK derivation error
<i>idb_stat_sak_failure_kek_derivation_error</i>	(Optional) IDB Statistics - SAK failure - KEK derivation error
<i>idb_stat_sak_failure_invalid_macsec_capability_error</i>	(Optional) IDB Statistics - SAK failure - invalid MACsec capability error

<i>idb_stat_macsec_failure_rx_sa_create_error</i>	(Optional) IDB Statistics - SAK failure - Rx SA create error
<i>idb_stat_macsec_failure_tx_sa_create_error</i>	(Optional) IDB Statistics - SAK failure - Tx SA create error
TABLE_mka_gbl_stats	(Optional) MKA Global Statistics
<i>session_secured</i>	(Optional) Session secured Events
<i>session_deleted</i>	(Optional) Session deleted Events
<i>session_keepalive_timeout</i>	(Optional) Session keepalive timeout Events
<i>ca_stat_pairwise_cak_rekey</i>	(Optional) CA Statistics pairwise CAK rekey
<i>sa_stat_sak_generated</i>	(Optional) SA Statistics SAK generated
<i>sa_stat_sak_rekey</i>	(Optional) SA Statistics SAK rekey
<i>sa_stat_sak_received</i>	(Optional) SA Statistics SAK received
<i>sa_stat_sak_response_rx</i>	(Optional) SA Statistics SAK response received
<i>mkpdu_stat_mkpdu_rx</i>	(Optional) MKPDU Statistics MKPDU received
<i>mkpdu_stat_mkpdu_rx_distsak</i>	(Optional) MKPDU Statistics MKPDU received distributed SAK
<i>mkpdu_stat_mkpdu_tx</i>	(Optional) MKPDU Statistics MKPDU transmitted
<i>mkpdu_stat_mkpdu_tx_distsak</i>	(Optional) MKPDU Statistics MKPDU transmitted distributed SAK
<i>mka_error_session_failure_bring_up_error</i>	(Optional) MKA Error - Session failure - Bring up error
<i>mka_error_sak_failure_sak_generate_error</i>	(Optional) MKA Error - SAK failure - SAK generate error
<i>mka_error_sak_failure_hash_generate_error</i>	(Optional) MKA Error - SAK failure - Hash generate error
<i>mka_error_sak_failure_sak_encryption_error</i>	(Optional) MKA Error - SAK failure - SAK encryption error
<i>mka_error_sak_failure_sak_decryption_error</i>	(Optional) MKA Error - SAK failure - SAK decryption error
<i>mka_error_sak_failure_sak_cipher_mismatch_error</i>	(Optional) MKA Error - SAK failure - SAK Cipher mismatch error
<i>mka_error_ca_failure_ick_derivation_error</i>	(Optional) MKA Error - CA failure - ICK derivation error
<i>mka_error_ca_failure_kek_derivation_error</i>	(Optional) MKA Error - CA failure - KEK derivation error
<i>mka_error_ca_failure_invalid_macsec_capability_error</i>	(Optional) MKA Error - CA failure - Invalid MACsec capability error
<i>mka_error_macsec_failure_rx_sa_create_error</i>	(Optional) MKA Error - MACsec failure - Rx SA create error
<i>mka_error_macsec_failure_tx_sa_create_error</i>	(Optional) MKA Error - MACsec failure - Tx SA create error
<i>mka_error_mkpdu_failure_mkpdu_tx_error</i>	(Optional) MKA Error - MKPDU failure - MKPDU Tx error
<i>mka_error_mkpdu_failure_mkpdu_rx_integrity_check_error</i>	(Optional) MKA Error - MKPDU failure - MKPDU Rx integrity check error

show macsec mka statistics

<i>mka_enor_mkpdu_failure_mkpdu_invalid_peer_mn_enor</i>	(Optional) MKA Error - MKPDU failure - invalid peer MN error
<i>mka_enor_mkpdu_failure_mkpdu_nonrecent_peerlist_mn_enor</i>	(Optional) MKA Error - MKPDU failure - non recent peerlist MN error
<i>mka_enor_mkpdu_failure_sakuse_kn_mismatch_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse KN mismatch error
<i>mka_enor_mkpdu_failure_sakuse_rx_not_set_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse Rx not set error
<i>mka_enor_mkpdu_failure_sakuse_key_mi_mismatch_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse key MI mismatch error
<i>mka_enor_mkpdu_failure_sakuse_an_not_in_use_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse AN not in use error
<i>mka_enor_mkpdu_failure_sakuse_ks_rx_tx_not_set_enor</i>	(Optional) MKA Error - MKPDU failure - SAKuse KS Rx Tx not set error
<i>global_stats_mkpdu_rx_invalid_ckn</i>	(Optional) Global Statistics MKPDU received invalid CKN
<i>global_stats_mkpdu_tx_pkt_build_fail</i>	(Optional) Global Statistics Transmit Pkt build fail
<i>ifname2</i>	(Optional) MACSEC Interface Name

Command Mode

- /exec

show macsec policy

```
show macsec policy [ <policy_name> ] [ __readonly__ { TABLE_macsec_policy <name> <cipher_suite>
<keyserver_priority> <window_size> <conf_offset> <security_policy> <sak-expiry-time>
<include_icv_indicator> <include_sci> } ]
```

Syntax Description

show	Show running system information
macsec	Show MACSEC policy information
policy	Show MACSEC policy information
<i>policy_name</i>	(Optional) Name of MACSEC Policy
<i>__readonly__</i>	(Optional)
TABLE_macsec_policy	(Optional)
<i>name</i>	(Optional) MACSEC Policy Name
<i>cipher_suite</i>	(Optional) Cipher Suite
<i>keyserver_priority</i>	(Optional) KeyServer Priority
<i>window_size</i>	(Optional) Window Size
<i>conf_offset</i>	(Optional) Confidentiality Offset
<i>security_policy</i>	(Optional) Security Policy
<i>sak-expiry-time</i>	(Optional) SAK expiry on time interval
<i>include_icv_indicator</i>	(Optional) Include ICV indicator in MKPDUs
<i>include_sci</i>	(Optional) Include SCI in secTag

Command Mode

- /exec

<i>in_pkts_unicast_controlled</i>	(Optional) In Pkts Unicast Controlled
<i>in_pkts_multicast_controlled</i>	(Optional) In Pkts Multicast Controlled
<i>in_pkts_broadcast_controlled</i>	(Optional) In Pkts Broadcast Controlled
<i>in_pkts_controlled</i>	(Optional) In Pkts Controlled
<i>in_rx_drop_pkts_controlled</i>	(Optional) In Rx Drop Pkts Controlled
<i>in_rx_err_pkts_controlled</i>	(Optional) In Rx Err Pkts Controlled
<i>in_octets_uncontrolled</i>	(Optional) In Octets Uncontrolled
<i>in_octets_controlled</i>	(Optional) In Octets Controlled
<i>input_rate_uncontrolled_bps</i>	(Optional) Input Rate Uncontrolled BPS
<i>input_rate_uncontrolled_pps</i>	(Optional) Input Rate Uncontrolled PPS
<i>input_rate_controlled_bps</i>	(Optional) Input Rate Controlled BPS
<i>input_rate_controlled_pps</i>	(Optional) Input Rate Controlled PPS
<i>out_pkts_unicast_uncontrolled</i>	(Optional) Out Pkts Unicast Uncontrolled
<i>out_pkts_multicast_uncontrolled</i>	(Optional) Out Pkts Multicast Uncontrolled
<i>out_pkts_broadcast_uncontrolled</i>	(Optional) Out Pkts Broadcast Uncontrolled
<i>out_rx_drop_pkts_uncontrolled</i>	(Optional) Out Rx Drop Pkts Uncontrolled
<i>out_rx_err_pkts_uncontrolled</i>	(Optional) Out Rx Err Pkts Uncontrolled
<i>out_pkts_unicast_controlled</i>	(Optional) Out Pkts Unicast Controlled
<i>out_pkts_multicast_controlled</i>	(Optional) Out Pkts Multicast Controlled
<i>out_pkts_broadcast_controlled</i>	(Optional) Out Pkts Broadcast Controlled
<i>out_pkts_controlled</i>	(Optional) Out Pkts Controlled
<i>out_rx_drop_pkts_controlled</i>	(Optional) Out Rx Drop Pkts Controlled
<i>out_rx_err_pkts_controlled</i>	(Optional) Out Rx Err Pkts Controlled
<i>out_octets_uncontrolled</i>	(Optional) Out Octets Uncontrolled
<i>out_octets_controlled</i>	(Optional) Out Octets Controlled
<i>out_octets_common</i>	(Optional) Out Octets Common
<i>output_rate_uncontrolled_bps</i>	(Optional) Output Rate Uncontrolled BPS
<i>output_rate_uncontrolled_pps</i>	(Optional) Output Rate Uncontrolled PPS
<i>output_rate_controlled_bps</i>	(Optional) Output Rate Controlled BPS

<i>output_rate_controlled_pps</i>	(Optional) Output Rate Controlled PPS
<i>in_pkts_transform_error</i>	(Optional) In Pkts Transform Error
<i>in_pkts_control</i>	(Optional) In Pkts Control
<i>in_pkts_untagged</i>	(Optional) In Pkts Untagged
<i>in_pkts_no_tag</i>	(Optional) In Pkts No Tag
<i>in_pkts_badtag</i>	(Optional) In Pkts Bad Tag
<i>in_pkts_no_sci</i>	(Optional) In Pkts No SCI
<i>in_pkts_unknown_sci</i>	(Optional) In Pkts Unknown SCI
<i>in_pkts_tagged_ctrl</i>	(Optional) In Pkts Tagged Control
<i>out_pkts_transform_error</i>	(Optional) Out Pkts Transform Error
<i>out_pkts_control</i>	(Optional) Out Pkts Control
<i>out_pkts_untagged</i>	(Optional) Out Pkts Untagged
TABLE_rx_sa_an	(Optional) MACsec secy rx_sa_an statistics
<i>rx_sa_an</i>	(Optional) Rx SA AN
<i>in_pkts_unchecked</i>	(Optional) In Pkts Unchecked
<i>in_pkts_delayed</i>	(Optional) In Pkts Delayed
<i>in_pkts_late</i>	(Optional) In Pkts Late
<i>in_pkts_ok</i>	(Optional) In Pkts OK
<i>in_pkts_invalid</i>	(Optional) In Pkts Invalid
<i>in_pkts_not_valid</i>	(Optional) In Pkts not Valid
<i>in_pkts_not_using_sa</i>	(Optional) In Pkts not using SA
<i>in_pkts_unused_sa</i>	(Optional) In Pkts Unused SA
<i>in_octets_decrypted</i>	(Optional) In Octets Decrypted
<i>in_octets_validated</i>	(Optional) In Octets Validated
TABLE_tx_sa_an	(Optional) MACsec secy tx_sa_an statistics
<i>tx_sa_an</i>	(Optional) Tx SA AN
<i>out_pkts_encrypted_protected</i>	(Optional) Out Pkts Encrypted Protected
<i>out_pkts_too_long</i>	(Optional) Out Pkts too Long
<i>out_pkts_sa_not_inuse</i>	(Optional) Out Pkts SA not in use

<i>out_octets_encrypted_protected</i>	(Optional) Out octets Encrypted Protected
<i>ifname2</i>	(Optional) MACSEC Interface Name

Command Mode

- /exec

show maintenance maint-delay

show maintenance maint-delay [__readonly__ <delay>]

Syntax Description

show	Show running system information
maintenance	maintenance
maint-delay	maintenance mode CLI release delay value
__readonly__	(Optional)
<i>delay</i>	(Optional) delay value in seconds

Command Mode

- /exec

show maintenance on-reload reset-reasons

```
show maintenance on-reload reset-reasons [ __readonly__ [ TABLE_reset_reason <reset_reason> ] <rr_bitmap> ]
```

Syntax Description

show	Show running system information
maintenance	maintenance
on-reload	on reload maintenance mode configuration
reset-reasons	system reset reasons
<i>__readonly__</i>	(Optional)
<i>TABLE_reset_reason</i>	(Optional)
<i>rr_bitmap</i>	(Optional) reset reason bitmap
<i>reset_reason</i>	(Optional) system reset reason

Command Mode

- /exec

show maintenance profile

show maintenance profile [<mode>] [__readonly__ TABLE_profile <name> [TABLE_cfg <cfg>]]

Syntax Description

show	Show running system information
maintenance	maintenance
profile	maintenance profile
<i>mode</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_profile	(Optional)
<i>name</i>	(Optional) profile name
TABLE_cfg	(Optional)
<i>cfg</i>	(Optional) profile config

Command Mode

- /exec

show maintenance snapshot-delay

show maintenance snapshot-delay [__readonly__ <delay>]

Syntax Description

show	Show running system information
maintenance	maintenance
snapshot-delay	after_maintenance snapshot delay value
__readonly__	(Optional)
<i>delay</i>	(Optional) delay value in seconds

Command Mode

- /exec

show maintenance timeout

show maintenance timeout [*__readonly__* <timeout>]

Syntax Description

show	Show running system information
maintenance	maintenance
timeout	timeout value
<i>__readonly__</i>	(Optional)
<i>timeout</i>	(Optional) timeout value

Command Mode

- /exec

show mcast

```
show mcast [ vsan <i0> ]
```

Syntax Description

show	Show running system information
vsan	(Optional) Enter VSAN
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show mdns-sd cache

```
show mdns-sd cache { all | mac <mac-addr> | vlan <vlan-id> | name <service-name> | type { PTR | SRV |
TXT | A | AAAA } } [ __readonly__ [ TABLE_Cache <record_id> { [ <name> ] [ <type> ] [ <ttl> ] [
<remaining_time> ] [ <vlan_id> <mac> ] [ <rr_data_ptr> ] [ <rr_data_srv_priority> ] [ <rr_data_srv_weight>
] [ <rr_data_srv_port> ] [ <rr_data_srv_target> ] [ <rr_data_a_addr> ] [ <rr_data_aaaa_addr> ] [
<rr_data_txt_length> ] } ] [ <total_row_count> ] ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
cache	Show MDNS cache info
all	Show MDNS cache-all info
mac	Show MDNS cache per mac
<i>mac-addr</i>	MAC address
vlan	Show MDNS cache per vlan
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
name	Show MDNS cache per service
<i>service-name</i>	mDNS Service name
type	Show MDNS cache per record type
PTR	PTR Record
SRV	SRV Record
TXT	TXT Record
A	A Record (IPV4 Address)
AAAA	AAAA Record (IPV6 Address)
<i>__readonly__</i>	(Optional)
TABLE_Cache	(Optional) Mdns Cache Table
<i>record_id</i>	(Optional) Record Id
<i>name</i>	(Optional) RR name
<i>type</i>	(Optional) RR type
<i>ttl</i>	(Optional) Record TTL
<i>remaining_time</i>	(Optional) Remaining time

<i>vlan_id</i>	(Optional) Vlan Id
<i>mac</i>	(Optional) Mac address
<i>rr_data_ptr</i>	(Optional) PTR RR data
<i>rr_data_srv_priority</i>	(Optional) SRV RR data priority
<i>rr_data_srv_weight</i>	(Optional) SRV RR data weight
<i>rr_data_srv_port</i>	(Optional) SRV RR data port
<i>rr_data_srv_target</i>	(Optional) SRV RR data target
<i>rr_data_a_addr</i>	(Optional) A RR data address
<i>rr_data_aaaa_addr</i>	(Optional) AAAA RR data address
<i>rr_data_txt_length</i>	(Optional) TXT RR data length
<i>total_row_count</i>	(Optional) Total row count in Cache

Command Mode

- /exec

show mdns-sd controller detail

```
show mdns-sd controller detail [ __readonly__ <name> <ip> <dst_port> <src_port> <state> <src_intf> <md5>
<kpal> <dead_time> <nxt_hello> <uptime> <svc_buffer> <pol_name> <ann_count> <ann_timer> <ann_num>
<wdraw_num> <ann_export> <next_ann> <qry_supp> <qry_count> <qry_timer> <qry_num>
<total_qry_count> <next_qry> ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
detail	mDNS Controller Detail
<i>__readonly__</i>	(Optional)
<i>name</i>	(Optional) mdns controller name
<i>ip</i>	(Optional) mdns controller ip address
<i>dst_port</i>	(Optional) mdns controller destination port
<i>src_port</i>	(Optional) mdns controller source port
<i>state</i>	(Optional) mdns controller state
<i>src_intf</i>	(Optional) mdns controller source interface
<i>md5</i>	(Optional) mdns md5 status
<i>kpal</i>	(Optional) kpal timer value
<i>dead_time</i>	(Optional) value of dead timer
<i>nxt_hello</i>	(Optional) next hello time
<i>uptime</i>	(Optional) uptime for controller
<i>svc_buffer</i>	(Optional) service buffer
<i>pol_name</i>	(Optional) mdns controller policy name
<i>ann_count</i>	(Optional) announcement count
<i>ann_timer</i>	(Optional) announcement timer
<i>ann_num</i>	(Optional) number of announcements
<i>wdraw_num</i>	(Optional) number of wdraw
<i>ann_export</i>	(Optional) number of exports

<i>next_ann</i>	(Optional) next announcement
<i>qry_supp</i>	(Optional) query suppression
<i>qry_count</i>	(Optional) query count
<i>qry_timer</i>	(Optional) query timer
<i>qry_num</i>	(Optional) number of pending queries
<i>total_qry_count</i>	(Optional) total query count
<i>next_qry</i>	(Optional) next query time

Command Mode

- /exec

show mdns-sd controller export-summary

```
show mdns-sd controller export-summary [ __readonly__ <ip> <state> <pol_name> <ann_count> <ann_timer>
<ann_export> <drop> <next_annce> ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
export-summary	mDNS Controller Summary
<i>__readonly__</i>	(Optional)
<i>ip</i>	(Optional) mdns controller ip address
<i>state</i>	(Optional) mdns controller state
<i>pol_name</i>	(Optional) mdns controller policy name
<i>ann_count</i>	(Optional) announcement count
<i>ann_timer</i>	(Optional) announcement timer
<i>ann_export</i>	(Optional) number of exports
<i>drop</i>	(Optional) service_filtered
<i>next_annce</i>	(Optional) next announcement

Command Mode

- /exec

show mdns-sd controller service-list

```
show mdns-sd controller service-list [ { name <sl-name> } ] [ __readonly__ TABLE_SL <sListName> [
TABLE_Match <sDefName> { <sDefMsgType> <sDefSource> } ] ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-list	mDNS Service List
name	(Optional) mDNS Service List Name
<i>sl-name</i>	(Optional) mDNS Service List Name
<i>__readonly__</i>	(Optional)
TABLE_SL	(Optional) Service List Table
<i>sListName</i>	(Optional) Service list name
TABLE_Match	(Optional) Service Definitions Match Table
<i>sDefName</i>	(Optional) Service definition name
<i>sDefMsgType</i>	(Optional) Service definition message type
<i>sDefSource</i>	(Optional) Service definition source vlans

Command Mode

- /exec

show mdns-sd controller service-policy

```
show mdns-sd controller service-policy [ { name <ser-pol-name> } ] [ __readonly__ [ TABLE_service_policy
<policy-name> <list> ] ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-policy	mDNS Service Policy
name	(Optional) Specify name of mDNS Service Policy
<i>ser-pol-name</i>	(Optional) mDNS Service Policy Name
<i>__readonly__</i>	(Optional)
TABLE_service_policy	(Optional) Service Policy Table
<i>policy-name</i>	(Optional) Service policy name
<i>list</i>	(Optional) Service List name

Command Mode

- /exec

show mdns-sd controller statistics

```
show mdns-sd controller statistics [ __readonly__ <total_bcp_sent> <total_bcp_rxed> <total_hello_sent>
<total_hello_received> <intf_withdraw_sent> <vlan_withdraw_sent> <clear_cache_sent> <resync_state_count>
<last_resync_time> <advertisements> <withdraw_msg_sent> <service_export_filtered> <service_resynced>
<query_req_sent> <service_query_filtered> <query_res_received> ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
statistics	mDNS Controller Statistics
<i>__readonly__</i>	(Optional)
<i>total_bcp_sent</i>	(Optional) Total bcp sent
<i>total_bcp_rxed</i>	(Optional) Total bcp received
<i>total_hello_sent</i>	(Optional) Keepalive msg sent
<i>total_hello_received</i>	(Optional) Keepalive msg received
<i>intf_withdraw_sent</i>	(Optional) Interface withdraw sent
<i>vlan_withdraw_sent</i>	(Optional) Vlan withdraw sent
<i>clear_cache_sent</i>	(Optional) Clear cache sent
<i>resync_state_count</i>	(Optional) Resync state count
<i>last_resync_time</i>	(Optional) Last resync time
<i>advertisements</i>	(Optional) Service advertisements sent
<i>withdraw_msg_sent</i>	(Optional) Withdraw message sent
<i>service_export_filtered</i>	(Optional) Service export filtered
<i>service_resynced</i>	(Optional) Service resynced
<i>query_req_sent</i>	(Optional) Query request sent
<i>service_query_filtered</i>	(Optional) Queries Filtered
<i>query_res_received</i>	(Optional) Query response received

Command Mode

- /exec

show mdns-sd controller summary

show mdns-sd controller summary [*__readonly__* <name> <ip> <state> <port> <intf_name> <pol_name> <dead_time> <svc_buffer>]

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
summary	mDNS Controller Summary
<i>__readonly__</i>	(Optional)
<i>name</i>	(Optional) mdns controller name
<i>ip</i>	(Optional) mdns controller ip address
<i>state</i>	(Optional) mdns controller state
<i>port</i>	(Optional) mdns controller port
<i>intf_name</i>	(Optional) mdns controller interface name
<i>pol_name</i>	(Optional) mdns controller policy name
<i>dead_time</i>	(Optional) value of dead timer
<i>svc_buffer</i>	(Optional) service buffer

Command Mode

- /exec

show mdns-sd filter-results

show mdns-sd filter-results <rr_name> <pol_name> <vlan-id> <filter-dir> <msg-data-type>

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
filter-results	check filter results by inputting the arguments
<i>rr_name</i>	input RR name
<i>pol_name</i>	input pol name
<i>vlan-id</i>	input vlan-id
<i>filter-dir</i>	input filter direction in(1)/out(2)
<i>msg-data-type</i>	input msg-data-type query(1)/advertisement(2)

Command Mode

- /exec

show mdns-sd service-definition

```
show mdns-sd service-definition [ { name <ser-def-name> } | { type { built-in | custom } } ] [ __readonly__
TABLE_SD <sDefName> { <sDefType> } [ TABLE_ST <sTypeName> ] ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
service-definition	mDNS Service Definition
name	(Optional) mDNS Service Definition Name
<i>ser-def-name</i>	(Optional) mDNS Service Definition Name
type	(Optional) mDNS Service Definition Type
built-in	(Optional) Built-in Service Definition
custom	(Optional) Custom Service Definition
__readonly__	(Optional)
TABLE_SD	(Optional) Service Definition Table
<i>sDefName</i>	(Optional) Service definition name
<i>sDefType</i>	(Optional) Service definition type
TABLE_ST	(Optional) Service Type Table
<i>sTypeName</i>	(Optional) Service type name

Command Mode

- /exec

show mdns-sd service-list

```
show mdns-sd service-list [ { direction { in | out } } | { name <sl-name> } ] [ __readonly__ TABLE_SL
<sListName> { <sListType> } [ TABLE_Match <sDefName> { <sDefMsgType> <sDefSource> } ] ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
service-list	mDNS Service List
direction	(Optional) mDNS Service List Direction
in	(Optional) Service List of type IN
out	(Optional) Service List of type OUT
name	(Optional) mDNS Service List Name
<i>sl-name</i>	(Optional) mDNS Service List Name
__readonly__	(Optional)
TABLE_SL	(Optional) Service List Table
<i>sListName</i>	(Optional) Service list name
<i>sListType</i>	(Optional) Service list type
TABLE_Match	(Optional) Service Definitions Match Table
<i>sDefName</i>	(Optional) Service definition name
<i>sDefMsgType</i>	(Optional) Service definition message type
<i>sDefSource</i>	(Optional) Service definition source vlans

Command Mode

- /exec

show mdns-sd service-policy

```
show mdns-sd service-policy [ { name <ser-pol-name> } ] [ __readonly__ [ TABLE_service_policy
<policy-name> <list-in> <list-out> ] ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
service-policy	mDNS Service Policy
name	(Optional) Specify name of mDNS Service Policy
<i>ser-pol-name</i>	(Optional) mDNS Service Policy Name
<i>__readonly__</i>	(Optional)
TABLE_service_policy	(Optional) Service Policy Table
<i>policy-name</i>	(Optional) Service policy name
<i>list-in</i>	(Optional) In Service List name
<i>list-out</i>	(Optional) Out Service List name

Command Mode

- /exec

show mdns-sd statistics global

```
show mdns-sd statistics global [ __readonly__ <pak_sent> <pak_sent_v4> <pak_sent_advt_v4>
<pak_sent_query_v4> <pak_sent_v6> <pak_sent_advt_v6> <pak_sent_query_v6> <pak_rl_dropped>
<pak_receive> <advertisements> <queries> <pak_receive_v4> <pak_receive_advt_v4>
<pak_receive_query_v4> <pak_receive_v6> <pak_receive_advt_v6> <pak_receive_query_v6> <pak_dropped>
<ptr> <srv> <a> <aaaa> <txt> <any> ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
statistics	mDNS Statistics
global	mDNS global Statistics
<i>__readonly__</i>	(Optional)
<i>pak_sent</i>	(Optional) Packet sent
<i>pak_sent_v4</i>	(Optional) Packet v4 sent
<i>pak_sent_advt_v4</i>	(Optional) Packet v4 advertisement sent
<i>pak_sent_query_v4</i>	(Optional) Packet v4 query sent
<i>pak_sent_v6</i>	(Optional) Packet v6 sent
<i>pak_sent_advt_v6</i>	(Optional) Packet v6 advertisement sent
<i>pak_sent_query_v6</i>	(Optional) Packet v6 query sent
<i>pak_rl_dropped</i>	(Optional) Packet rate limited dropped
<i>pak_receive</i>	(Optional) Packet received
<i>advertisements</i>	(Optional) Advertisements received
<i>queries</i>	(Optional) Queries received
<i>pak_receive_v4</i>	(Optional) Packet v4 received
<i>pak_receive_advt_v4</i>	(Optional) Packet v4 advertisements received
<i>pak_receive_query_v4</i>	(Optional) Packet v4 query received
<i>pak_receive_v6</i>	(Optional) Packet v6 received
<i>pak_receive_advt_v6</i>	(Optional) Packet v6 advertisements received
<i>pak_receive_query_v6</i>	(Optional) Packet v6 query received
<i>pak_dropped</i>	(Optional) Packet dropped

<i>ptr</i>	(Optional) PTR query type
<i>srv</i>	(Optional) SRV query type
<i>a</i>	(Optional) A query type
<i>aaaa</i>	(Optional) AAAA query type
<i>txt</i>	(Optional) TXT query type
<i>any</i>	(Optional) ANY query type

Command Mode

- /exec

show mdns-sd statistics raw-stats

show mdns-sd statistics raw-stats { all | all-non-zero | <index> }

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
statistics	mDNS Statistics
raw-stats	mDNS rawStats Statistics
all	ALL Raw stats
all-non-zero	ALL non-zero Raw stats
<i>index</i>	Specify the index of Raw Stats

Command Mode

- /exec

show mdns-sd summary

```
show mdns-sd summary [ __readonly__ <mdns_gw_status> <rate_limit> <cache_mem_max> <airprint_helper>
<ing_qry_supp> <ing_qry_supp_pkt_gap> <ing_qry_rep_svc_count> <svc_anno_count> <svc_query_count>
<active_anno_timer> <active_query_timer> ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
summary	mDNS Summary
<i>__readonly__</i>	(Optional)
<i>mdns_gw_status</i>	(Optional) Mdns gateway status
<i>rate_limit</i>	(Optional) Rate Limit
<i>cache_mem_max</i>	(Optional) Cache Memory Max percentage
<i>airprint_helper</i>	(Optional) AirPrint Helper
<i>ing_qry_supp</i>	(Optional) Ingress Query Suppresion
<i>ing_qry_supp_pkt_gap</i>	(Optional) Ingress Query Suppresion packet gap
<i>ing_qry_rep_svc_count</i>	(Optional) Ingress Query Reply service count
<i>svc_anno_count</i>	(Optional) Service Announcement count
<i>svc_query_count</i>	(Optional) Service Query count
<i>active_anno_timer</i>	(Optional) Active Announcement timer
<i>active_query_timer</i>	(Optional) Active Query timer

Command Mode

- /exec

show mdns-sd summary vlan

```
show mdns-sd summary vlan <vlan-id> [ __readonly__ [ TABLE_mdns_summary_vlan <vlan-number>
<mdns-status> [ <service-policy> ] [ <active-query-status> ] [ <active-query-period> ] [ <transport-type> ]
[ <query-type> ] ] ]
```

Syntax Description

<i>show</i>	Show running system information
<i>mdns-sd</i>	MDNS Gateway
<i>summary</i>	mDNS Summary
<i>vlan</i>	mDNS Vlan Summary
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
<i>__readonly__</i>	(Optional)
<i>TABLE_mdns_summary_vlan</i>	(Optional) Mdns vlan summary Table
<i>vlan-number</i>	(Optional) Vlan number
<i>mdns-status</i>	(Optional) Mdns status for the vlan
<i>service-policy</i>	(Optional) Service Policy
<i>active-query-status</i>	(Optional) Active query status
<i>active-query-period</i>	(Optional) Active query period
<i>transport-type</i>	(Optional) Transport type
<i>query-type</i>	(Optional) Query type

Command Mode

- /exec

show module

```
show module [ { <module> } | { <s0> [ <santa-cruz-range> ] } | { fabric [ <module> ] } ] [ __readonly__ {
TABLE_modinfo <modinf> <ports> <modtype> <model> <status> } [ { TABLE_modpwrinfo <modpwr>
<pwrstat> <reason> } ] [ { TABLE_modwwninfo <modwwn> <sw> <hw> <slottype> } ] [ {
TABLE_modapplinfo <modappl> <desc> <applver> } ] [ { TABLE_modmacinfo <modmac> <mac>
<serialnum> } ] [ { TABLE_moddiaginfo <mod> <diagstatus> } ] [ { TABLE_modinfo <modinf> <ports>
<modtype> <model> <status> } [ { TABLE_modpwrinfo <modpwr> <pwrstat> <reason> } ] [ {
TABLE_modwwninfo <modwwn> <sw> <hw> <slottype> } [ { TABLE_modapplinfo <modappl> <desc>
<applver> } ] [ { TABLE_modmacinfo <modmac> <mac> <serialnum> } ] [ { TABLE_moddiaginfo <mod>
<diagstatus> } ] [ { TABLE_xbarinfo <xbarinf> <xbarports> <xbartype> <xbarmodel> <xbarstatus> } ] [ {
TABLE_xbarpwrinfo <xbarpwr> <xbarpwrstat> <xbarreason> } ] [ { TABLE_xbarwwninfo <xbarwwn>
<xbarsw> <xbarhw> [ <xbarwwnstr> ] } ] [ { TABLE_xbarmacinfo <xbarmac> <xbarmacaddr>
<xbarserialnum> } ] ] ]
```

Syntax Description

show	Show running system information
module	Show module information
<i>module</i>	(Optional) Enter module number
<i>s0</i>	(Optional) Show xbar information
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
fabric	(Optional) Show fabric information
<i>__readonly__</i>	(Optional)
TABLE_modinfo	(Optional) Show Module info
<i>modinf</i>	(Optional) Module
<i>ports</i>	(Optional) Num Ports
<i>modtype</i>	(Optional) Module Type
<i>model</i>	(Optional) Model
<i>status</i>	(Optional) Status
TABLE_modpwrinfo	(Optional) Mod Pwr Info
<i>modpwr</i>	(Optional) Module
<i>pwrstat</i>	(Optional) Power Status
<i>reason</i>	(Optional) Reason
TABLE_modwwninfo	(Optional) Mod WWN Info
<i>modwwn</i>	(Optional) Module

<i>sw</i>	(Optional) SW Ver
<i>hw</i>	(Optional) HW Ver
<i>slotype</i>	(Optional) Slot
TABLE_modapplinfo	(Optional) Mod Appl image info
<i>modappl</i>	(Optional) Module
<i>desc</i>	(Optional) Image desc
<i>applver</i>	(Optional) Version
TABLE_modmacinfo	(Optional) Mod MAC Info
<i>modmac</i>	(Optional) Module
<i>mac</i>	(Optional) MAC
<i>serialnum</i>	(Optional) Serial Num
TABLE_moddiaginfo	(Optional) Mod diag info
<i>mod</i>	(Optional) Module
<i>diagstatus</i>	(Optional) Diag status
TABLE_xbarinfo	(Optional) Show xbar info
<i>xbarinf</i>	(Optional) Module
<i>xbarports</i>	(Optional) Num Ports
<i>xbartype</i>	(Optional) Module Type
<i>xbarmodel</i>	(Optional) Model
<i>xbarstatus</i>	(Optional) Status
TABLE_xbarpwrinfo	(Optional) Xbar Pwr Info
<i>xbarpwr</i>	(Optional) Module
<i>xbarpwrstat</i>	(Optional) Power Status
<i>xbarreason</i>	(Optional) Reason
TABLE_xbarwwninfo	(Optional) Xbar WWN Info
<i>xbarwwn</i>	(Optional) Module
<i>xbarsw</i>	(Optional) SW Ver
<i>xbarhw</i>	(Optional) HW Ver
<i>xbarwwnstr</i>	(Optional) WWN

TABLE_xbarmacinfo	(Optional) Xbar MAC Info
<i>xbarmac</i>	(Optional) Module
<i>xbarmacaddr</i>	(Optional) MAC
<i>xbarserialnum</i>	(Optional) Serial Num

Command Mode

- /exec

show module bandwidth-fairness

```
show module <module> bandwidth-fairness [ __readonly__ { TABLE_fairness <statement> } ]
```

Syntax Description

show	Show running system information
module	Show module information
<i>module</i>	Enter module number
bandwidth-fairness	Show bandwidth fairness status
__readonly__	(Optional)
TABLE_fairness	(Optional)
<i>statement</i>	(Optional)

Command Mode

- /exec

show module port type

```
show module <module1> port type [ __readonly__ { TABLE_porttype <slot1> <port1> <opertype>
<admintype> } ]
```

Syntax Description

show	Show running system information
module	Show module information
<i>module1</i>	Enter module number
port	Show port type
type	Show port type
<code>__readonly__</code>	(Optional)
TABLE_porttype	(Optional) Module port type
<i>slot1</i>	(Optional) Module number
<i>port1</i>	(Optional) Port number
<i>opertype</i>	(Optional) Operational type for port
<i>admintype</i>	(Optional) Admin type for port

Command Mode

- /exec

show module uptime

```
show module uptime [ __readonly__ { TABLE_uptimeinf <slot> <starttime> <daysup> <hoursup> <minutesup> <secondsup> } ]
```

Syntax Description

<code>show</code>	Show running system information
<code>module</code>	Show module information
<code>uptime</code>	Show how long the module has been up and running
<code>__readonly__</code>	(Optional)
<code>TABLE_uptimeinf</code>	(Optional) Show uptime info
<code>slot</code>	(Optional) Slot
<code>starttime</code>	(Optional) Start Time
<code>daysup</code>	(Optional) Days Up
<code>hoursup</code>	(Optional) Hours Up
<code>minutesup</code>	(Optional) Minutes Up
<code>secondsup</code>	(Optional) Seconds Up

Command Mode

- /exec

show monitor

show monitor [*__readonly__* *TABLE_session* <session_number> <state> <state_reason> <description>]

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_session</i>	(Optional) show monitor
<i>session_number</i>	(Optional) session id
<i>state</i>	(Optional) State
<i>state_reason</i>	(Optional) State reason
<i>description</i>	(Optional) Session Description

Command Mode

- /exec

show monitor session

```
show monitor session { all | <session_number> | warp | range <session_range> } [ { drops | brief | stats } ] [
__readonly__ [ TABLE_session <session_number> [ <description> ] [ <type> ] [ <version> ] [ <state> ] [
<state_reason> ] [ <err_desc> ] [ <flow_id> ] [ <switch_id> ] [ <erspan_granularity> ] [ <vrf_name> ] [
<acl_name> ] [ <erspan_ttl> ] [ <erspan_dscp> ] [ <header_type> ] [ <span_mtu> ] [ <span_sampling> ] [
<ip_filter> ] + [ <dst_ip> ] [ <dst_ipv6> ] [ <origin_ip> ] [ <origin_ipv6> ] [ <src_ip> ] [ <src_ipv6> ] [
<control_pkt_filter> ] [ TABLE_sources_rx [ <sources_rx> ] ] [ TABLE_sources_tx [ <sources_tx> ] ] [
TABLE_sources_both [ <sources_both> ] ] [ <source_vlans_rx> ] [ <source_vlans_tx> ] [ <source_vlans_both>
] [ <source_vsans_rx> ] [ <tree-id> <switchid> ] + [ <filter_vlans> ] [ <destinations> ] + [ <acl_destinations>
] + [ <rate_limit_cap> ] + [ <mtu_capability> ] + [ <sampling_capability> ] + [ <mcbe> ] + [ <l3_egress_span>
] + [ <erspan_acl> ] + [ <erspan_v3_cap> ] + [ <erspan_v2_cap> ] + [ <erspan_gran_cap> ] + [
<fex_ingress_intf> ] + [ <sources_rx_2> ] + [ <marker_time_intv> ] [ <marker_pkt_count> ] [
<marker_pkt_fail> ] [ <erspan_egress_if> ] [ <drops> ] [ <inactive> ] [ <rx_pkt_count> ] [ <rx_bytes_count>
] [ <tx_pkt_count> ] [ <tx_bytes_count> ] [ <err_str> ] ] ]
```

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information
session	Show session info
all	All sessions
<i>session_number</i>	
warp	warp session
range	Specify a range
<i>session_range</i>	
brief	(Optional) Brief information
drops	(Optional) show drop count
stats	(Optional) show monitor stats
__readonly__	(Optional) Read only
TABLE_session	(Optional) show monitor
<i>session_number</i>	(Optional) session number
<i>description</i>	(Optional) Session Description
<i>type</i>	(Optional) Session type
<i>version</i>	(Optional) Erspan source version: v2/v3
<i>state</i>	(Optional) State

<i>state_reason</i>	(Optional) State reason
<i>err_desc</i>	(Optional) Error Description
<i>flow_id</i>	(Optional) erspan-id
<i>switch_id</i>	(Optional) erspan_switch-id
<i>erspan_granularity</i>	(Optional) ERSPAN Type III Granularity
<i>vrf_name</i>	(Optional) ERSPAN session VRF
<i>acl_name</i>	(Optional) ERSPAN session ACL
<i>erspan_ttl</i>	(Optional) ERSPAN TTL Value
<i>erspan_dscp</i>	(Optional) ERSPAN DSCP Value
<i>header_type</i>	(Optional) ERSPAN Header Type
<i>span_mtu</i>	(Optional) SPAN MTU value
<i>span_sampling</i>	(Optional) SPAN sampling range
<i>ip_filter</i>	(Optional) IP filter value
<i>dst_ip</i>	(Optional) ERSPAN destination IP
<i>dst_ipv6</i>	(Optional) ERSPAN destination IPv6
<i>origin_ip</i>	(Optional) ERSPAN origin IP at source router
<i>origin_ipv6</i>	(Optional) ERSPAN origin IPv6 at source router
<i>src_ip</i>	(Optional) ERSPAN source IP
<i>src_ipv6</i>	(Optional) ERSPAN source IPv6
<i>control_pkt_filter</i>	(Optional) Control packet filter value
TABLE_sources_rx	(Optional) ingress intf table
<i>sources_rx</i>	(Optional) List of ingress sources
TABLE_sources_tx	(Optional) egress intf table
<i>sources_tx</i>	(Optional) List of egress sources
TABLE_sources_both	(Optional) bi-direction intf table
<i>sources_both</i>	(Optional) List of sources in both directions
<i>source_vlans_rx</i>	(Optional) Source ingress vlan
<i>source_vsans_rx</i>	(Optional) Source ingress vsan
<i>source_vlans_tx</i>	(Optional) Source egress vlan

<i>source_vlans_both</i>	(Optional) Source vlans in both directions
<i>tree-id</i>	(Optional) proxy layer2 gateway source tree-id
<i>switchid</i>	(Optional) proxy layer2 gateway source switchid
<i>filter_vlans</i>	(Optional) Filter vlans
<i>destinations</i>	(Optional) List of destinations
<i>acl_destinations</i>	(Optional) List of interfaces that wont work for acl capture
<i>rate_limit_cap</i>	(Optional) List of modules that support Rate Limit
<i>mtu_capability</i>	(Optional) List of modules that support MTU
<i>sampling_capability</i>	(Optional) List of modules that support Sampling
<i>mcbe</i>	(Optional) List all modules that support multicast best effort
<i>l3_egress_span</i>	(Optional) List of modules that support L3 Multicast Egress SPAN
<i>erspan_acl</i>	(Optional) List of modules that support ERSPAN ACL filtering
<i>erspan_v3_cap</i>	(Optional) List of modules that support erspan version3
<i>erspan_v2_cap</i>	(Optional) List of modules that support erspan version2
<i>erspan_gran_cap</i>	(Optional) List of modules that support the granularity set
<i>fex_ingress_intf</i>	(Optional) List of fex interfaces that wont work for ingress span
<i>erspan_egress_if</i>	(Optional) Egress interface for ERSPAN SRC session
<i>sources_rx_2</i>	(Optional) List of ingress sources
<i>marker_time_intv</i>	(Optional) Marker packet interval
<i>marker_pkt_count</i>	(Optional) Marker packet count
<i>marker_pkt_fail</i>	(Optional) Marker packet fail count
<i>drops</i>	(Optional) Drop count
<i>inactive</i>	(Optional) Session is inactive
<i>rx_pkt_count</i>	(Optional) Rx Packet count
<i>rx_bytes_count</i>	(Optional) Rx Byte count
<i>tx_pkt_count</i>	(Optional) Tx Packet count
<i>tx_bytes_count</i>	(Optional) Tx Byte count
<i>err_str</i>	(Optional) Error msg string

Command Mode

- /exec

show mpls extended-ecmp

show mpls extended-ecmp

Syntax Description

show	Show running system information
mpls	MPLS routing ECMP mode
extended-ecmp	extended-ecmp mode

Command Mode

- /exec

show mpls forwarding statistics

```
show mpls forwarding statistics [ interface { <interface> | all } ] [ __readonly__ { TABLE_mpls_stats [
<intf_name> ] <mpls_packets_sent> <mpls_bytes_sent> <mpls_packets_received> <mpls_bytes_received>
<mpls_packets_forwarded> <mpls_bytes_forwarded> <mpls_packets_originated> <mpls_bytes_originated>
<mpls_packets_consumed> <mpls_bytes_consumed> <mpls_packets_input_dropped>
<mpls_bytes_input_dropped> <mpls_packets_output_dropped> <mpls_bytes_output_dropped> } ]
```

Syntax Description

show	Show running system information
mpls	MPLS information
forwarding	Display MPLS software forwarded
statistics	Traffic statistics
interface	(Optional) Interface specific information
<i>interface</i>	(Optional) Interface chosen to display statistics
all	(Optional) All interfaces
<i>__readonly__</i>	(Optional)
TABLE_mpls_stats	(Optional) MPLS forwarding statistics
<i>intf_name</i>	(Optional) Interface name
<i>mpls_packets_sent</i>	(Optional) mpls packet sent
<i>mpls_bytes_sent</i>	(Optional) mpls bytes sent
<i>mpls_packets_received</i>	(Optional) mpls packet received
<i>mpls_bytes_received</i>	(Optional) mpls bytes received
<i>mpls_packets_forwarded</i>	(Optional) mpls packet forwarded
<i>mpls_bytes_forwarded</i>	(Optional) mpls bytes forwarded
<i>mpls_packets_originated</i>	(Optional) mpls packet originated
<i>mpls_bytes_originated</i>	(Optional) mpls bytes originated
<i>mpls_packets_consumed</i>	(Optional) mpls packet consumed
<i>mpls_bytes_consumed</i>	(Optional) mpls bytes consumed
<i>mpls_packets_input_dropped</i>	(Optional) mpls packet input dropped
<i>mpls_bytes_input_dropped</i>	(Optional) mpls bytes input dropped
<i>mpls_packets_output_dropped</i>	(Optional) mpls packet output dropped

<i>mpls_bytes_output_dropped</i>	(Optional) mpls bytes output dropped
----------------------------------	--------------------------------------

Command Mode

- /exec

show mpls interfaces

show mpls interfaces [*__readonly__* *TABLE_mpls_interface* <intf> <oper>]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Display MPLS Interfaces
<i>__readonly__</i>	(Optional)
<i>TABLE_mpls_interface</i>	(Optional)
<i>intf</i>	(Optional)
<i>oper</i>	(Optional)

Command Mode

- /exec

show mpls interfaces detail

```
show mpls interfaces detail [ __readonly__ TABLE_mpls_interface_det <intf> { <client_name> + } <oper_str>
<ls_id> <mpls_sublayer_name> <mpls_sublayer_id> ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
detail	Detail
<i>__readonly__</i>	(Optional)
<i>TABLE_mpls_interface_det</i>	(Optional)
<i>intf</i>	(Optional)
<i>client_name</i>	(Optional)
<i>oper_str</i>	(Optional)
<i>ls_id</i>	(Optional)
<i>mpls_sublayer_name</i>	(Optional)
<i>mpls_sublayer_id</i>	(Optional)

Command Mode

- /exec

show mpls interfaces statistics

```
show mpls interfaces <ifname> statistics [ __readonly__ TABLE_mpls_interface_stats <intf> <enabled> [
<pkts_in> ] [ <bytes_in> ] [ <pkts_out> ] [ <bytes_out> ] ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
<i>ifname</i>	Interface Name
statistics	statistics
<i>__readonly__</i>	(Optional)
TABLE_mpls_interface_stats	(Optional)
<i>intf</i>	(Optional)
<i>enabled</i>	(Optional)
<i>pkts_in</i>	(Optional)
<i>bytes_in</i>	(Optional)
<i>pkts_out</i>	(Optional)
<i>bytes_out</i>	(Optional)

Command Mode

- /exec

show mpls ip bindings

```
show mpls ip bindings [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ generic ] [ { <prefix> { <mask> |
<mask-length> } | <prefix-mask> } [ longer-prefix ] ] [ neighbor <addr> | local ] [ [ local-label <local-label>
[ local-to <local-label-max> ] ] [ remote-label <remote-label> [ remote-to <remote-label-max> ] ] ] [
advertisement-prefix-list | detail ] [ __readonly__ { TABLE_bnd [ <ldp_ctx> ] [ <llaf> ] [ {
TABLE_bnd_acl_list <oldstyle> <prefix_acl> <peer_acl> } ] [ { TABLE_bnd_rec <lib_addr> <lib_mask>
[ <lcl_bnd_rev> ] [ <no_route> ] [ <chkpt> ] [ <local_label> ] [ <withdraw> ] [ { TABLE_bnd_peer_list
<peer_ident> } ] [ { TABLE_bnd_remote [ <remote_lsr> ] [ <remote_label> ] [ <rem_lbl_in_use> ] [ <stale_gr>
] } ] [ <advert_acl_pending> ] [ <peer_acl> ] [ <prefix_acl> } ] } ] }
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
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
all	(Optional) Display LIB information in all VRFs
generic	(Optional) Display generic labels
<i>prefix</i>	(Optional) Destination prefix
<i>mask</i>	(Optional) Destination prefix mask
<i>mask-length</i>	(Optional) Mask length
<i>prefix-mask</i>	(Optional) Destination prefix/mask
longer-prefix	(Optional) Include longer matches
neighbor	(Optional) Display labels from LDP neighbor
<i>addr</i>	(Optional) IP adjacency address
local	(Optional) Display only locally assigned labels
local-label	(Optional) Match locally assigned label values
<i>local-label</i>	(Optional) Locally assigned label value
local-to	(Optional) Label range
<i>local-label-max</i>	(Optional) Locally assigned label value

remote-label	(Optional) Match remotely assigned label values
<i>remote-label</i>	(Optional) Remotely assigned label value
remote-to	(Optional) Label range
<i>remote-label-max</i>	(Optional) Remotely assigned label value
advertisement-prefix-list	(Optional) Show advertisement prefix lists
detail	(Optional) Show detailed information
__readonly__	(Optional) Read Only
TABLE_bnd	(Optional) Show bindings or tib summary for a vrf
<i>ldp_ctx</i>	(Optional) LDP context
<i>llaf</i>	(Optional) Local label filtering spec
TABLE_bnd_acl_list	(Optional) Show advertisement access lists for default vrf
<i>oldstyle</i>	(Optional) Oldstyle assignment of prefix acls to entries
<i>prefix_acl</i>	(Optional) Prefix acl
<i>peer_acl</i>	(Optional) Peer acl
TABLE_bnd_rec	(Optional) Show bindings in a vrf
<i>lib_addr</i>	(Optional) LIB entry IP address
<i>lib_mask</i>	(Optional) LIB entry mask
<i>lcl_bnd_rev</i>	(Optional) Local binding revision for lib entry
<i>no_route</i>	(Optional) Displays if no route present for lib entry
<i>chkpt</i>	(Optional) Checkpoint state for lib entry
<i>local_label</i>	(Optional) Local label
<i>withdraw</i>	(Optional) Displays if label withdrawn or label withdraw sent
TABLE_bnd_remote	(Optional) Remote bindings
<i>remote_lsr</i>	(Optional) Remote binding label switched route for lib entry
<i>remote_label</i>	(Optional) Remote label for lib entry
<i>rem_lbl_in_use</i>	(Optional) Displays if out label is in use
<i>stale_gr</i>	(Optional) Displays if stale GR binding for lib entry
<i>advert_acl_pending</i>	(Optional) Displays if advert acl action pending for lib entry
<i>peer_acl</i>	(Optional) Advertisement acl: Peer acl name for lib entry

<i>prefix_acl</i>	(Optional) Advertisement acl: Prefix acl name for lib entry
TABLE_bnd_peer_list	(Optional) Show list of peers to which local label has been advertised
<i>peer_ident</i>	(Optional) Peer to which local label has been advertised

Command Mode

- /exec

show mpls ip bindings summary

```
show mpls ip bindings summary [ __readonly__ { TABLE_bnd [ <total_prefixes> ] [ <assigned_bindings>
] [ <local_bindings> ] [ <rem_bindings> ] [ <total_rt_info> ] [ <current_prev_lbl_entries> ] [
<total_prev_lbl_entries> ] [ <current_prev_lbl_queues> ] [ <total_prev_lbl_queues> } } ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
summary	Show summary information
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_bnd</i>	(Optional) Show bindings or tib summary for a vrf
<i>total_prefixes</i>	(Optional) Total number of prefixes
<i>assigned_bindings</i>	(Optional) Total number of assigned bindings
<i>total_rt_info</i>	(Optional) Total tib route info allocated
<i>local_bindings</i>	(Optional) Total number of locally assigned bindings
<i>rem_bindings</i>	(Optional) Total number of remote bindings
<i>current_prev_lbl_entries</i>	(Optional) Current number of previous tib remote label entries allocated
<i>total_prev_lbl_entries</i>	(Optional) Total number of previous tib remote label entries allocated
<i>current_prev_lbl_queues</i>	(Optional) Current number of previous tib remote label queues allocated
<i>total_prev_lbl_queues</i>	(Optional) Total number of previous tib remote label queues allocated

Command Mode

- /exec

show mpls ip ttl

```
show mpls ip ttl [ __readonly__ TABLE_mpls_ip_ttl <prop_or_exp> [ <forwarded> ] [ <local> ] [ <exp_count> ] ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	Display IP information
ttl	TTL related information
<i>__readonly__</i>	(Optional)
<i>TABLE_mpls_ip_ttl</i>	(Optional)
<i>prop_or_exp</i>	(Optional)
<i>forwarded</i>	(Optional)
<i>local</i>	(Optional)
<i>exp_count</i>	(Optional)

Command Mode

- /exec

show mpls label range

```
show mpls label range [ __readonly__ <dynamic-min> <dynamic-max> [ <static-min> <static-max> ] [
<srgb-min> <srgb-max> ] ]
```

Syntax Description

show	Show running system information
mpls	MPLS configuration commands
label	Label properties
range	Label range
<i>__readonly__</i>	(Optional)
<i>dynamic-min</i>	(Optional)
<i>dynamic-max</i>	(Optional)
<i>static-min</i>	(Optional)
<i>static-max</i>	(Optional)
<i>srgb-min</i>	(Optional)
<i>srgb-max</i>	(Optional)

Command Mode

- /exec

show mpls load-sharing

```
show mpls load-sharing [ __readonly__ TABLE_mpls_load_sharing [ <label-ip> ] [ <label-only> ] ]
```

Syntax Description

show	Show running system information
mpls	MPLS information
load-sharing	Show mpls load sharing options
__readonly__	(Optional)
TABLE_mpls_load_sharing	(Optional) Table for MPLS Load Sharing
<i>label-ip</i>	(Optional) Label IP load sharing
<i>label-only</i>	(Optional) Label only load sharing

Command Mode

- /exec

show mpls oam echo statistics

```
show mpls oam echo statistics [ summary ] [ __readonly__ <rq_sent> <rq_timeout> <rq_unsent> <rq_rcvd>
<rx_sent> <rx_unsent> <rx_rcvd> <rc_zero> <rc_one> <rc_two> <rc_three> <rc_four> <rc_five> <rc_six>
<rc_seven> <rc_eight> <rc_nine> <rc_ten> <rc_eleven> <rc_twelve> <rc_thirteen> <rc_fourteen>
<summary_flag> ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
oam	Display OAM information
echo	Echo request information
statistics	Detailed Echo packet statistics
summary	(Optional) Echo packet statistics summary
<i>__readonly__</i>	(Optional)
<i>rq_sent</i>	(Optional) Requests sent
<i>rq_timeout</i>	(Optional) Requests timeout
<i>rq_unsent</i>	(Optional) Requests unsent
<i>rq_rcvd</i>	(Optional) Requests received
<i>rx_sent</i>	(Optional) Replies sent
<i>rx_unsent</i>	(Optional) Replies unsent
<i>rx_rcvd</i>	(Optional) Replies received
<i>rc_zero</i>	(Optional) Return code zero
<i>rc_one</i>	(Optional) Return code one
<i>rc_two</i>	(Optional) Return code two
<i>rc_three</i>	(Optional) Return code three
<i>rc_four</i>	(Optional) Return code four
<i>rc_five</i>	(Optional) Return code five
<i>rc_six</i>	(Optional) Return code six
<i>rc_seven</i>	(Optional) Return code seven
<i>rc_eight</i>	(Optional) Return code eight

<i>rc_nine</i>	(Optional) Return code nine
<i>rc_ten</i>	(Optional) Return code ten
<i>rc_eleven</i>	(Optional) Return code eleven
<i>rc_twelve</i>	(Optional) Return code twelve
<i>rc_thirteen</i>	(Optional) Return code thirteen
<i>rc_fourteen</i>	(Optional) Return code fourteen
<i>summary_flag</i>	(Optional) Summary flag

Command Mode

- /exec

show mpls static binding

```
show mpls static binding [ vrf { <vrf-name> | <vrf-known-name> } ] { { ipv4 [ <prefix> { <mask> |
<mask-length> } | <prefix-mask> ] [ local | remote ] [ nexthop <addr> ] [ inconsistency ] [ lsp <slb_name> ]
} | { ipv6 [ <ipv6-prefix> ] [ local | remote ] [ ipv6-nexthop <ipv6-addr> ] [ inconsistency ] } | all [ inconsistency
] } [ __readonly__ [ TABLE_slb [ <slb_name> ] [ <slb_prefix> ] [ <slb_mask> ] <slb_vrf> <slb_inlabel> [
<slb_type> ] [ TABLE_slb_outlbl_list [ <slb_nh_path_num> ] <slb_nhops> <slb_outlabel> ] [
<inconsistency_reason> ] ] ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	Show ipv4 static label bindings
ipv6	Show ipv6 static label bindings
all	Show all static label bindings
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
local	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
remote	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
inconsistency	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>prefix</i>	(Optional) Destination ipv4 prefix
<i>mask</i>	(Optional) Destination ipv4 prefix mask
<i>mask-length</i>	(Optional) Ipv4 mask length
<i>prefix-mask</i>	(Optional) Destination prefix/mask
nexthop	(Optional) Ipv4 next hop address
<i>addr</i>	(Optional) Ipv4 Next hop address
ipv6-nexthop	(Optional) Ipv6 next hop address
lsp	(Optional) LSP Name
__readonly__	(Optional) Read Only

TABLE_slb	(Optional) Show static label bindings for a given prefix
<i>slb_name</i>	(Optional) Name
<i>slb_prefix</i>	(Optional) Prefix
<i>slb_type</i>	(Optional) SLB Type
<i>slb_mask</i>	(Optional) Mask bits
<i>slb_vrf</i>	(Optional) VRF name for prefix
<i>slb_inlabel</i>	(Optional) Incoming label for prefix
TABLE_slb_outlbl_list	(Optional) Show static outgoing labels for prefix
<i>slb_nhop</i>	(Optional) Next-hop address
<i>slb_nh_path_num</i>	(Optional) Identifier for outgoing nexthop
<i>slb_outlabel</i>	(Optional) Outgoing label for next-hop address
<i>inconsistency_reason</i>	(Optional) Reason for inconsistency

Command Mode

- /exec

show mpls strip labels

show mpls strip labels [all | static | dynamic | <label_val>] [__readonly__ <disp_summary> [TABLE_labels <disp_label> <disp_age> <disp_interface> <disp_pkt_cnt> <disp_stats> <disp_static>]]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
labels	labels added in the system
all	(Optional) all labels [default]
static	(Optional) labels programmed using cli
dynamic	(Optional) dynamically learned
<i>label_val</i>	(Optional) Label to show
<i>__readonly__</i>	(Optional) Read Only
<i>disp_summary</i>	(Optional) Summary
TABLE_labels	(Optional) MPLS Strip Labels Tables
<i>disp_label</i>	(Optional) Label
<i>disp_age</i>	(Optional) Age
<i>disp_interface</i>	(Optional) Interface
<i>disp_pkt_cnt</i>	(Optional) Packet Count
<i>disp_stats</i>	(Optional) Statistics
<i>disp_static</i>	(Optional) Static

Command Mode

- /exec

show mpls switching

```
show mpls switching [ labels <label> [ <max-label> ] | interface <intf> | { <ip-addr> | <ipv4-prefix> } [ vrf
{ <vrf-name> | <vrf-known-name> | all } ] | <ipv6-prefix> [ vrf { <vrf-name> | <vrf-known-name> | all } ] |
traffic-eng srpath [ <srte-path-id> ] | aggregate [ ipv4 | ipv6 ] [ vrf { <vrf-name> | <vrf-known-name> | all }
] | { fec { ipv4_prefix [ vrf { <vrf-name> | <vrf-known-name> | all } ] | ipv6_prefix [ vrf { <vrf-name> |
<vrf-known-name> | all } ] | deagg [ vrf { <vrf-name> | <vrf-known-name> | all | ias_vpnv4 | ias_vpnv6 } ]
| per-bd <per-bd-vlan-id> } } | { summary } ] [ detail ] [ private ] [ vrf { <vrf-name> | <vrf-known-name> |
all } ] [ _readonly_ [ [ TABLE_vrf [ <vrf_name> ] [ [ TABLE_inlabel <in_label> [ [ { <out_label_stack>
+ } ] [ { <srte_path_id> | <ipv4_prefix> | <ipv6_prefix> } ] [ <out_interface> ] { <ipv4_next_hop> |
<ipv6_next_hop> } [ <weight> ] ] [ <deagg_vrf> [ <deagg_af> ] ] [ { <tunnel_v4_mid_source> |
<tunnel_v6_mid_source> } <tunnel_id> { <ext_v4_tunnel_id> | <ext_v6_tunnel_id> } <tunnel_instance>
<tunnel_head> ] [ <nhlfe_p2p_flag> ] [ <nhlfe_fr_status> ] [ <nhlfe_stale_flag> ] [ <in_packets> <in_bytes>
] [ [ <out_label> + ] <out_packets> + <out_bytes> + ] [ { <tunnel_v4_mid_dest> | <tunnel_v6_mid_dest> }
{ <ipv4_next_hop> | <ipv6_next_hop> } ] [ <per_ce_table> <per_ce_nh_set_id> ] [ { <ias_v4_prefix> |
<ias_v6_prefix> } <ias_rd> ] [ <fec_none_label> ] [ <per_bd_vlan_id> ] [ <table_name> ] ] [
TABLE_adj_sid_inlabel <adj_sid_in_label> <out_label> { <ipv4_addr> | <ipv6_addr> } <out_interface> {
<adj_sid_ipv4_next_hop> | <adj_sid_ipv6_next_hop> } [ <in_packets> <in_bytes> ] [ [ <out_label> + ]
<out_packets> + <out_bytes> + ] ] ] [ TABLE_block <blockid> <lbl_range> ] ] ] ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
traffic-eng	(Optional) Show traffic-engineering related entries
srpath	(Optional) Show traffic-engineering segment-routing path entries
<i>ip-addr</i>	(Optional) Match destination address
<i>ipv4-prefix</i>	(Optional) Specify an IP prefix/mask
fec	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
labels	(Optional) Show a specific label-related information
<i>label</i>	(Optional) Low label value
<i>max-label</i>	(Optional) High label value
interface	(Optional) Match outgoing interface
aggregate	(Optional) Show aggregate-related information
<i>intf</i>	(Optional) Specify outgoing interface
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

detail	(Optional) Detailed information
ipv4_prefix	(Optional) IPv4 prefix
ipv6_prefix	(Optional) IPv6 prefix
ipv4	(Optional) Display IPv4 information
ipv6	(Optional) Display IPv6 information
deagg	(Optional) De-aggregation
per-bd	(Optional) BD FEC
ias_vpnv4	(Optional) Display Inter-AS V4 information
ias_vpnv6	(Optional) Display Inter-AS V6 information
<i>srtc-path-id</i>	(Optional) Traffic-engineering segment-routing path id
<i>per-bd-vlan-id</i>	(Optional) Per BD id
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf_name</i>	(Optional)
TABLE_inlabel	(Optional)
<i>in_label</i>	(Optional)
<i>out_label_stack</i>	(Optional)
<i>ipv4_prefix</i>	(Optional)
<i>tunnel_v4_mid_source</i>	(Optional)
<i>tunnel_v4_mid_dest</i>	(Optional)
<i>tunnel_id</i>	(Optional)
<i>ext_v4_tunnel_id</i>	(Optional)
<i>tunnel_instance</i>	(Optional)
<i>tunnel_head</i>	(Optional)
<i>deagg_vrf</i>	(Optional)

<i>deagg_af</i>	(Optional)
<i>out_interface</i>	(Optional)
<i>ipv4_next_hop</i>	(Optional)
<i>ipv6_next_hop</i>	(Optional)
<i>weight</i>	(Optional)
<i>nhlfe_frr_status</i>	(Optional)
<i>nhlfe_stale_flag</i>	(Optional)
<i>nhlfe_p2p_flag</i>	(Optional)
<i>table_name</i>	(Optional)
<i>in_packets</i>	(Optional)
<i>in_bytes</i>	(Optional)
<i>out_label</i>	(Optional)
<i>out_packets</i>	(Optional)
<i>out_bytes</i>	(Optional)
<i>per_ce_table</i>	(Optional)
<i>per_ce_nh_set_id</i>	(Optional)
<i>fec_none_label</i>	(Optional)
<i>ias_v4_prefix</i>	(Optional)
<i>ias_v6_prefix</i>	(Optional)
<i>ias_rd</i>	(Optional)
<i>srte_path_id</i>	(Optional)
<i>per_bd_vlan_id</i>	(Optional)
TABLE_adj_sid_inlabel	(Optional)
<i>adj_sid_in_label</i>	(Optional)
<i>out_label</i>	(Optional)
<i>ipv4_addr</i>	(Optional)
<i>out_interface</i>	(Optional)
<i>adj_sid_ipv4_next_hop</i>	(Optional)
<i>adj_sid_ipv6_next_hop</i>	(Optional)

<i>in_packets</i>	(Optional)
<i>in_bytes</i>	(Optional)
<i>out_packets</i>	(Optional)
<i>out_bytes</i>	(Optional)
TABLE_block	(Optional)
<i>blockid</i>	(Optional)
<i>lbl_range</i>	(Optional)

Command Mode

- /exec

show mpls switching clients

```
show mpls switching clients [ __readonly__ [ TABLE_client <pib-name> <pib-index> <pib-uuid> <pib-sap>
<stale-time> <pib-flag> [ <stale-due> ] <reg-msg> <conv-msg> [ <inv-conv> ] <fec-msg> <fec-add> <ile-add>
<fec-del> <ile-del> <last-xid> <fec-ack> ] ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
clients	Display ULIB client components
__readonly__	(Optional)
TABLE_client	(Optional)
<i>pib-name</i>	(Optional) Name of the client(pib)
<i>pib-index</i>	(Optional) PIB Index
<i>pib-uuid</i>	(Optional) PIB UUID
<i>pib-sap</i>	(Optional) MTS SAP for the pib
<i>stale-time</i>	(Optional) Stale time
<i>pib-flag</i>	(Optional) Flags set by the pib
<i>stale-due</i>	(Optional) Stale timer due in
<i>reg-msg</i>	(Optional) Number of Registration Message
<i>conv-msg</i>	(Optional) Number of Converge Message
<i>inv-conv</i>	(Optional) Number of Invalid Convergence message
<i>fec-msg</i>	(Optional) Number of FEC messages
<i>fec-add</i>	(Optional) Number of FEC Add messages
<i>ile-add</i>	(Optional) Number of ILE Add messages
<i>fec-del</i>	(Optional) Number of FEC delete messages
<i>ile-del</i>	(Optional) Number of ILE delete messages
<i>last-xid</i>	(Optional) Last XID
<i>fec-ack</i>	(Optional) Number of FEC Ack messages sent

Command Mode

- /exec

show mts-buildup check

```
show mts-buildup check [ __readonly__ <policy> <percent> <intvl> ]
```

Syntax Description

show	Show
mts-buildup	Display mts-buildup
check	Display mts-buildup check
__readonly__	(Optional)
<i>policy</i>	(Optional) MTS buildup check enabled
<i>percent</i>	(Optional) MTS buildup check percent
<i>intvl</i>	(Optional) MTS buildup check interval

Command Mode

- /exec

show mvpn bgp mdt

```
show mvpn bgp { mdt-safi | auto-discovery } [ mdt-source <src-addr> ] [ __readonly__ { TABLE_entry
<bgp_rd> <mdt_src> <mdt_grp> <local> } ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
bgp	Display BGP related information
mdt-safi	Display Auto-discovered BGP MDT-SAFI database
auto-discovery	Display Auto-discovered BGP MDT-SAFI database
mdt-source	(Optional) Source address of MVPN neighbor
__readonly__	(Optional)
TABLE_entry	(Optional)
<i>bgp_rd</i>	(Optional)
<i>local</i>	(Optional)

Command Mode

- /exec

show mvpn bgp mdt

```
show mvpn bgp { mdt-safi | auto-discovery } [ mdt-source <src-addr> ] [ __readonly__ { TABLE_entry
<bgp_rd> <mdt_src> <mdt_grp> <local> } ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
bgp	Display BGP related information
mdt-safi	Display Auto-discovered BGP MDT-SAFI database
auto-discovery	Display Auto-discovered BGP MDT-SAFI database
mdt-source	(Optional) Source address of MVPN neighbor
<i>src-addr</i>	(Optional) Source Address
<i>__readonly__</i>	(Optional)
TABLE_entry	(Optional)
<i>bgp_rd</i>	(Optional)
<i>mdt_src</i>	(Optional)
<i>mdt_grp</i>	(Optional)
<i>local</i>	(Optional)

Command Mode

- /exec

show mvpn mdt encap

```
show mvpn mdt encap [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<out_context> { TABLE_encap <encap_index> <mdt_grp> <mdt_src> <mdt_src_if> } ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
encap	Display MDT Encap table
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>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_encap	(Optional)
<i>encap_index</i>	(Optional)
<i>mdt_grp</i>	(Optional)
<i>mdt_src</i>	(Optional)
<i>mdt_src_if</i>	(Optional)

Command Mode

- /exec

show mvpn mdt encap

```
show mvpn mdt encap [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<out_context> { TABLE_encap <encap_index> <mdt_grp> <mdt_src> <mdt_src_if> } ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
encap	Display MDT Encap table
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>__readonly__</i>	(Optional)
<i>TABLE_vrf</i>	(Optional)
<i>out_context</i>	(Optional)
<i>TABLE_encap</i>	(Optional)
<i>encap_index</i>	(Optional)
<i>mdt_src_if</i>	(Optional)

Command Mode

- /exec

show mvpn mdt route

```
show mvpn mdt route [ detail ] [ __readonly__ TABLE_vrf <out_context> [ TABLE_mroute <src_addr>
<grp_addr> <uptime> <ref_count> [ <route_type> ] [ <group_mode> ] [ <route_flags> ] ] ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
route	Display MDT route information
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
<i>TABLE_vrf</i>	(Optional)
<i>out_context</i>	(Optional)
<i>TABLE_mroute</i>	(Optional)
<i>src_addr</i>	(Optional)
<i>grp_addr</i>	(Optional)
<i>uptime</i>	(Optional)
<i>ref_count</i>	(Optional)
<i>route_type</i>	(Optional)
<i>group_mode</i>	(Optional)
<i>route_flags</i>	(Optional)

Command Mode

- /exec

show mvpn mdt route

```
show mvpn mdt route [ detail ] [ __readonly__ TABLE_vrf <out_context> [ TABLE_mroute <src_addr>
<grp_addr> <uptime> <ref_count> ] ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
route	Display MDT route information
detail	(Optional) Display detailed information
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>out_context</i>	(Optional)
TABLE_mroute	(Optional)
<i>src_addr</i>	(Optional)
<i>grp_addr</i>	(Optional)
<i>uptime</i>	(Optional)
<i>ref_count</i>	(Optional)

Command Mode

- /exec

show mvr

```
show mvr [ verbose ] [ __readonly__ <mvr-status> <mvr-default-vlan> <number-of-mvr-vlans> [
<mvr-group-list> <cfg-nodes> <interface-cfg-nodes> ] ]
```

Syntax Description

show	Show running system information
mvr	show mvr info
verbose	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
<i>mvr-status</i>	(Optional)
<i>mvr-default-vlan</i>	(Optional)
<i>number-of-mvr-vlans</i>	(Optional)
<i>mvr-group-list</i>	(Optional)
<i>cfg-nodes</i>	(Optional)
<i>interface-cfg-nodes</i>	(Optional)

Command Mode

- /exec

show mvr groups

```
show mvr groups [ __readonly__ [ TABLE_group_list <ip-address> <ip-max-addr> <rn-count-char> <rn-count>
<mvr-vlan-string> <if-name> ] [ [ <interface-name> ] [ <mvr-vlan> ] [ TABLE_mvr_vlan <global-mvr-vlan>
] <mvr-groups> <mvr-receiver-type> <mvr-source-type> ] ]
```

Syntax Description

show	Show running system information
mvr	show mvr info
groups	show mvr groups config
<i>__readonly__</i>	(Optional)
<i>TABLE_group_list</i>	(Optional)
<i>ip-address</i>	(Optional)
<i>ip-max-addr</i>	(Optional)
<i>rn-count-char</i>	(Optional)
<i>rn-count</i>	(Optional)
<i>mvr-vlan-string</i>	(Optional)
<i>if-name</i>	(Optional)
<i>interface-name</i>	(Optional)
<i>mvr-vlan</i>	(Optional)
<i>TABLE_mvr_vlan</i>	(Optional)
<i>global-mvr-vlan</i>	(Optional)
<i>mvr-groups</i>	(Optional)
<i>mvr-receiver-type</i>	(Optional)
<i>mvr-source-type</i>	(Optional)

Command Mode

- /exec

show mvr interface

```
show mvr interface [ <if0> ] [ __readonly__ [ TABLE_if_name <interface-name> <access-vlan> <src-rcvr>
<igmp-mvr-port-status> <mvr-vlan-str> ] ]
```

Syntax Description

show	Show running system information
mvr	show mvr info
interface	show mvr interfaces
<i>if0</i>	(Optional) Interface name
<i>__readonly__</i>	(Optional)
<i>TABLE_if_name</i>	(Optional)
<i>interface-name</i>	(Optional)
<i>access-vlan</i>	(Optional)
<i>src-rcvr</i>	(Optional)
<i>igmp-mvr-port-status</i>	(Optional)
<i>mvr-vlan-str</i>	(Optional)

Command Mode

- /exec

show mvr members

```
show mvr members [ interface <if0> ] [ __readonly__ [ TABLE_mvr_vlan <mvr-vlan> <group> <status> [
TABLE_members_if <if-name> ] ] [ <vlan> <mvr-group> ] ]
```

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
interface	(Optional) show active mvr groups config on interface
<i>if0</i>	(Optional) Interface name
<i>__readonly__</i>	(Optional)
<i>TABLE_mvr_vlan</i>	(Optional)
<i>mvr-vlan</i>	(Optional)
<i>group</i>	(Optional)
<i>status</i>	(Optional)
<i>TABLE_members_if</i>	(Optional)
<i>if-name</i>	(Optional)
<i>vlan</i>	(Optional)
<i>mvr-group</i>	(Optional)

Command Mode

- /exec

show mvr members count

show mvr members count [__readonly__ [TABLE_mvr_vlan <mvr-vlan> <mvr-members-count>]]

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
count	Active mvr groups on each mvr-vlan
__readonly__	(Optional)
TABLE_mvr_vlan	(Optional)
<i>mvr-vlan</i>	(Optional)
<i>mvr-members-count</i>	(Optional)

Command Mode

- /exec

show mvr members vlan

```
show mvr members { vlan <vlan-id> } [ __readonly__ [ TABLE_mvr_vlan <mvr-vlan> <grp> <stat> [
TABLE_interface_vlan <interface-name> ] ] ]
```

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
vlan	vlan
<i>vlan-id</i>	Enter MVR Vlan
<i>__readonly__</i>	(Optional)
TABLE_mvr_vlan	(Optional)
<i>mvr-vlan</i>	(Optional)
<i>grp</i>	(Optional)
<i>stat</i>	(Optional)
TABLE_interface_vlan	(Optional)
<i>interface-name</i>	(Optional)

Command Mode

- /exec

show mvr receiver-ports

```
show mvr receiver-ports [ <if0> ] [ __readonly__ [ TABLE_mvr_if_name <mvr-if-name> <mvr-vlan-str>
<igmp-port-status> <rx_reports> <rx_leaves> ] ]
```

Syntax Description

show	Show running system information
mvr	show mvr info
receiver-ports	List MVR receiver ports
<i>if0</i>	(Optional) Interface name
<i>__readonly__</i>	(Optional)
<i>TABLE_mvr_if_name</i>	(Optional)
<i>mvr-if-name</i>	(Optional)
<i>mvr-vlan-str</i>	(Optional)
<i>igmp-port-status</i>	(Optional)
<i>rx_reports</i>	(Optional)
<i>rx_leaves</i>	(Optional)

Command Mode

- /exec

show mvr source-ports

```
show mvr source-ports [ <if0> ] [ __readonly__ [ TABLE_mvr_if_name <mvr-if-name> <interface-name>
<igmp-port-status> ] ]
```

Syntax Description

show	Show running system information
mvr	show mvr info
source-ports	List MVR source ports
<i>if0</i>	(Optional) Interface name
<i>__readonly__</i>	(Optional)
<i>TABLE_mvr_if_name</i>	(Optional)
<i>mvr-if-name</i>	(Optional)
<i>interface-name</i>	(Optional)
<i>igmp-port-status</i>	(Optional)

Command Mode

- /exec

show mvr source-ports



N Show Commands

- [show nat itd](#), on page 2255
- [show nbm defaults](#), on page 2256
- [show nbm flow-policy](#), on page 2258
- [show nbm flows](#), on page 2260
- [show nbm flows pending-stitch](#), on page 2264
- [show nbm flows static](#), on page 2265
- [show nbm flows statistics](#), on page 2267
- [show nbm flows summary](#), on page 2269
- [show nbm host-policy all](#), on page 2270
- [show nbm host-policy applied receiver](#), on page 2272
- [show nbm host-policy applied sender](#), on page 2274
- [show nbm info shm table flow-detail vrf](#), on page 2276
- [show nbm interface bandwidth](#), on page 2278
- [show ngoam interface statistics](#), on page 2280
- [show ngoam loop-detection status](#), on page 2281
- [show ngoam loop-detection summary](#), on page 2282
- [show ngoam loopback](#), on page 2283
- [show ngoam pathtrace](#), on page 2285
- [show ngoam probe](#), on page 2289
- [show ngoam traceroute statistics](#), on page 2291
- [show ngoam xconnect session](#), on page 2293
- [show npiv status](#), on page 2295
- [show npv external-interface-usage](#), on page 2296
- [show npv flogi-table](#), on page 2297
- [show npv status](#), on page 2298
- [show npv traffic-map](#), on page 2300
- [show ntp access-groups](#), on page 2301
- [show ntp authentication-keys](#), on page 2302
- [show ntp authentication-status](#), on page 2303
- [show ntp information](#), on page 2304
- [show ntp logging-status](#), on page 2305
- [show ntp peer-status](#), on page 2306
- [show ntp peers](#), on page 2307

- [show ntp rts-update](#), on page 2308
- [show ntp session status](#), on page 2309
- [show ntp source-interface](#), on page 2310
- [show ntp source](#), on page 2311
- [show ntp statistics](#), on page 2312
- [show ntp status](#), on page 2315
- [show ntp trusted-keys](#), on page 2316
- [show nve adjacency mpls](#), on page 2317
- [show nve bfd neighbors](#), on page 2318
- [show nve core-links](#), on page 2319
- [show nve ethernet-segment](#), on page 2320
- [show nve evi](#), on page 2322
- [show nve interface](#), on page 2323
- [show nve mpls](#), on page 2325
- [show nve multisite dc-links](#), on page 2326
- [show nve multisite fabric-links](#), on page 2327
- [show nve peers](#), on page 2328
- [show nve peers interface counters](#), on page 2330
- [show nve peers mpls](#), on page 2331
- [show nve peers vni interface counters](#), on page 2332
- [show nve replication-servers](#), on page 2333
- [show nve vni](#), on page 2334
- [show nve vni counters](#), on page 2336
- [show nve vni ingress-replication](#), on page 2337
- [show nve vni peer-vtep](#), on page 2338
- [show nve vrf](#), on page 2339
- [show nve vxlan-params](#), on page 2340
- [show nxapi-server logs](#), on page 2341
- [show nxapi](#), on page 2342

show nat itd

```
show nat itd [ __readonly__ [ { TABLE_NAT_ITD_configurations [ <nat_itd_acl_name> ] [ <nat_itd_globalip> ] [ <nat_itd_globalport> ] [ <nat_itd_localip> ] [ <nat_itd_localport> ] [ <nat_itd_proto> ] [ <nat_itd_acl_type> ] [ <nat_itd_ingress_vrf> ] [ <nat_itd_egress_vrf> } } ] ]
```

Syntax Description

show	Show running system information
nat	IP NAT information
itd	IP NAT ITD
<i>__readonly__</i>	(Optional)
<i>TABLE_NAT_ITD_configurations</i>	(Optional) NAT ITD Configurations
<i>nat_itd_acl_name</i>	(Optional) NAT ITD ACL name
<i>nat_itd_globalip</i>	(Optional) NAT ITD Global Ip address
<i>nat_itd_globalport</i>	(Optional) NAT ITD Global port
<i>nat_itd_localip</i>	(Optional) NAT ITD Local Ip address
<i>nat_itd_localport</i>	(Optional) NAT ITD Local port
<i>nat_itd_proto</i>	(Optional) NAT ITD protocol
<i>nat_itd_acl_type</i>	(Optional) NAT ITD Acl type
<i>nat_itd_ingress_vrf</i>	(Optional) NAT ITD Ingress VRF
<i>nat_itd_egress_vrf</i>	(Optional) NAT ITD Egress VRF

Command Mode

- /exec

show nbm defaults

```
show nbm defaults [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] [ __readonly__ TABLE_vrf
<vrfName> { <contextId> <bandwidthInKbps> <dscp> <qid> <policer> <operModeCache> <operMode>
<unicastFabricBandwidth> <ResBwRxOnly> <numAsmGroup> } [ TABLE_ASM <groupId> { <groupPrefix>
<groupMaskLen> } ] { <senderPolicy> <localReceiverPolicy> <externalReceiverPolicy> } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
defaults	Default config
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrfName</i>	(Optional) VRF name
<i>contextId</i>	(Optional) Context ID
<i>bandwidthInKbps</i>	(Optional) Bandwidth in Kbps
<i>dscp</i>	(Optional) DSCP
<i>qid</i>	(Optional) Queue ID
<i>policer</i>	(Optional) Policer
<i>operModeCache</i>	(Optional) Operation Mode Cache
<i>operMode</i>	(Optional) Operation Mode
<i>unicastFabricBandwidth</i>	(Optional) Unicast fabric bandwidth
<i>ResBwRxOnly</i>	(Optional) Reserve Bandwidth Receiver Only
<i>numAsmGroup</i>	(Optional) Number of ASM Groups
TABLE_ASM	(Optional) ASM Group Table
<i>groupId</i>	(Optional) Group number
<i>groupPrefix</i>	(Optional) Group Prefix

<i>groupMaskLen</i>	(Optional) Group Mask Length
<i>senderPolicy</i>	(Optional) Sender Policy
<i>localReceiverPolicy</i>	(Optional) Local Receiver Policy
<i>externalReceiverPolicy</i>	(Optional) External Receiver Policy (PIM)

Command Mode

- /exec

show nbm flow-policy

```
show nbm flow-policy [ name { <policy-name> } ] [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] [
__readonly__ TABLE_vrf { <vrfName> [ <policyName> ] [ { <defaultBandwidthKbps> <defaultDscp>
<defaultQos> <defaultPolicer> } ] [ { TABLE_flow_policy <groupRange> <bandwidthKbps> <dscp> <qos>
<policer> <priority> <policyName> } ] <numGroupRanges> <numPolicies> } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flow-policy	Flow policy show command
name	(Optional) Policy name
<i>policy-name</i>	(Optional) Policy name value
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrfName</i>	(Optional) VRF name
<i>policyName</i>	(Optional) Policy name
<i>defaultBandwidthKbps</i>	(Optional) Default Bandwidth in Kbps
<i>defaultDscp</i>	(Optional) Default DSCP
<i>defaultQos</i>	(Optional) Default QOS
<i>defaultPolicer</i>	(Optional) Default Policer
TABLE_flow_policy	(Optional) Flow policies in VRF
<i>groupRange</i>	(Optional) Group range
<i>bandwidthKbps</i>	(Optional) Bandwidth in Kbps
<i>dscp</i>	(Optional) DSCP
<i>qos</i>	(Optional) QOS
<i>policer</i>	(Optional) Policer

<i>priority</i>	(Optional) Priority
<i>policyName</i>	(Optional) Policy Name
<i>numGroupRanges</i>	(Optional) Number of group or group-range
<i>numPolicies</i>	(Optional) Number of flow policies

Command Mode

- /exec

show nbm flows

```
show nbm flows [ group-based [ group <group-ip> ] | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } | source <source-ip> [ group <group-ip> ] | group <group-ip> [ source <source-ip> ] | interface <if-name> | priority { low | critical } | logical-id { none | any | <lid-val> } | profile-id <prof-id> ] [ all | active | inactive | no-receiver ] [ detail ] [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] [ _readonly_ [ TABLE_vrf <vrf-name> [ TABLE_flows { <mcast_grp> <src_ip> [ <start_time> ] <uptime> <src_intf> <src_nbr_device> [ <lid> <profile> <status> ] <num_rx> <bw_mbps> [ <cfg_mbps> ] <src_slot> <src_unit> <src_slice> } [ { <act_slot> <act_unit> <stdby_slot> <stdby_unit> } ] } { <dscp> <qos> [ <owner_type> ] <policed> [ <is_fhr> ] <priority> <pol_name> } [ <flag> ] [ TABLE_num_int_links { <n_link> <num_links> } ] [ TABLE_int_links { <iiod> <ilink> <i_ifidx> <fab_iiod> <fab_oiod> <fab_ifidx> <oiod> <olink> <i_ieth_port> <fab_ieth_port> } ] [ TABLE_oifs { [ <oif_num> ] <oif_slot> <oif_unit> <oif_slot_unit_num_rx> <oif_if_idx> <oif_ioid> <oif_name> <oif_nbr_device> } ] [ { <end_timestr> <flow_rate_bps> <packets> <bytes> } ] ] ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows (default will be active flows)
active	(Optional) Active flows (default)
inactive	(Optional) Inactive flows
no-receiver	(Optional) Flows without any receiver
all	(Optional) Both active and inactive flows
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
flow-policy	(Optional) Flow policy
<i>cfg-pol-name</i>	(Optional) Policy name
<i>unknown-pol-name</i>	(Optional) Policy name
source	(Optional) Source IP address
<i>source-ip</i>	(Optional) Source IP address
group	(Optional) Multicast group
<i>group-ip</i>	(Optional) Multicast group address
interface	(Optional) Ingress interface
priority	(Optional) Flow Priority
low	(Optional) low
critical	(Optional) critical

logical-id	(Optional) Logical ID (LID)
<i>lid-val</i>	(Optional) Logical ID (LID) value
any	(Optional) Any Logical ID (LID)
none	(Optional) Without any Logical ID (LID)
profile-id	(Optional) Profile ID
<i>prof-id</i>	(Optional) Profile ID value
detail	(Optional) Detailed output
<i>if-name</i>	(Optional) Interface name
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
TABLE_flows	(Optional) Flow table
<i>mcast_grp</i>	(Optional) Multicast group IP
<i>src_ip</i>	(Optional) Source IP
<i>start_time</i>	(Optional) Start time for the flow
<i>uptime</i>	(Optional) Uptime for the flow
<i>src_intf</i>	(Optional) Ingress source interface
<i>src_nbr_device</i>	(Optional) Ingress neighbor device name
<i>lid</i>	(Optional) Logical internal flow ID
<i>profile</i>	(Optional) Profile ID
<i>status</i>	(Optional) Flow status
<i>num_rx</i>	(Optional) Number of receivers (OIFs)
<i>bw_mbps</i>	(Optional) Set bandwidth
<i>cfg_mbps</i>	(Optional) Configured bandwidth
<i>src_slot</i>	(Optional) Source (RPF) slot
<i>src_unit</i>	(Optional) Source (RPF) unit
<i>src_slice</i>	(Optional) Source (RPF) slice
<i>dscp</i>	(Optional) Flow DSCP
<i>qos</i>	(Optional) Flow QOS group

<i>owner_type</i>	(Optional) Flow Owner type
<i>policed</i>	(Optional) Flow is policed or not
<i>is_fhr</i>	(Optional) This node is FHR (First-Hop Router) for the Flow
<i>priority</i>	(Optional) Priority
<i>pol_name</i>	(Optional) Flow Policy name
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>act_slot</i>	(Optional) Active FM Slot
<i>act_unit</i>	(Optional) Active FM Unit
<i>stdby_slot</i>	(Optional) Standby FM Slot
<i>stdby_unit</i>	(Optional) Standby FM Unit
<i>flag</i>	(Optional) Flow not guarantee flag
TABLE_num_int_links	(Optional) Internal link number table
<i>n_link</i>	(Optional) N Link
<i>num_links</i>	(Optional) Number of Links
TABLE_int_links	(Optional) Internal link table
<i>iiod</i>	(Optional) IIOD
<i>ilink</i>	(Optional) Ilink
<i>i_ifidx</i>	(Optional) Internal IF IDX
<i>fab_iiod</i>	(Optional) Fabric IIOD
<i>fab_oiod</i>	(Optional) Fabric OIOD
<i>fab_ifidx</i>	(Optional) Fabric IFIDX
<i>oiod</i>	(Optional) OIOD
<i>olink</i>	(Optional) OLink
<i>i_ieth_port</i>	(Optional) Internal IEth Link
<i>fab_ieth_port</i>	(Optional) Fabric IEth Port
TABLE_oifs	(Optional) OIF table

<i>oif_num</i>	(Optional) Receiver serial number
<i>oif_slot</i>	(Optional) Slot
<i>oif_unit</i>	(Optional) Unit
<i>oif_slot_unit_num_rx</i>	(Optional) Number of Receivers for slot/unit
<i>oif_if_idx</i>	(Optional) Receiver interface index
<i>oif_iod</i>	(Optional) Outgoing IOD
<i>oif_name</i>	(Optional) Outgoing interface name
<i>oif_nbr_device</i>	(Optional) Outgoing neighbor device name
<i>end_timestr</i>	(Optional) Deleted flow end time
<i>flow_rate_bps</i>	(Optional) Deleted flow flow rate in bps
<i>packets</i>	(Optional) Deleted flow packets
<i>bytes</i>	(Optional) Deleted flow bytes

Command Mode

- /exec

show nbm flows pending-stitch

```
show nbm flows pending-stitch [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] [ __readonly__ [
TABLE_vrf<vrf-name> [ TABLE_pending_stitch_flows { <src_ip> <grp> <ctx_name> <mrrib_del> <star_g>
<pending_type> <pending_type_str> } ] <num_entries> ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
pending-stitch	All pending stitch flows
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF TABLE
<i>vrf-name</i>	(Optional) VRF name
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
TABLE_pending_stitch_flows	(Optional) Pending stitch flows
<i>src_ip</i>	(Optional) Source IP
<i>grp</i>	(Optional) Group IP
<i>ctx_name</i>	(Optional) Context name
<i>mrrib_del</i>	(Optional) Deleted from MRIB
<i>star_g</i>	(Optional) Star g flow
<i>pending_type</i>	(Optional) pending type for flow
<i>pending_type_str</i>	(Optional) pending type for flow string
<i>num_entries</i>	(Optional) Number of entries

Command Mode

- /exec

show nbm flows static

```
show nbm flows static [ group <grp> ] [ source <src> ] [ stitched | unstitched ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ] [ __readonly__ { [ TABLE_vrf <vrf-name> [ TABLE_stitched { <stitchedSrc>
<stitchedGrp> [ TABLE_stitchedEgress { <stitchedEgressIntf> } ] [ TABLE_stitchedHost { <stitchedHostIp>
} ] } ] [ TABLE_unstitched { <unstitchedSrc> <unstitchedGrp> [ TABLE_unstitchedEgress {
<unstitchedEgressIntf> } ] [ TABLE_unstitchedHost { <unstitchedHostIp> } ] } ] [
TABLE_Provisioned_Static_Flows { [ <staticApiSrc> ] [ <staticApiGrp> ] } [ <iifName> ] [ <bwkbps> ] [
<policer> ] [ <iifProgStatus> ] [ TABLE_OIF { [ <isLhr> ] [ <oifName> ] [ <oifProgStatus> ] } ] } ] }
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows (default will be active flows)
static	Static NBM Flows
group	(Optional) Multicast group
<i>grp</i>	(Optional) Multicast group address
source	(Optional) Source ip of sender
<i>src</i>	(Optional) Source address
stitched	(Optional) Show only successfully provisioned oif
unstitched	(Optional) Show only failed to provision oif
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
TABLE_stitched	(Optional) Static Flows stitched table
<i>stitchedSrc</i>	(Optional) Source IP address stitched
<i>stitchedGrp</i>	(Optional) Multicast Group address stitched
TABLE_stitchedEgress	(Optional) Egress Intferace table stitched flows
<i>stitchedEgressIntf</i>	(Optional) Egress Interface for stitched flows

TABLE_stitchedHost	(Optional) Host IP table for stitched flows
<i>stitchedHostIp</i>	(Optional) Host IP address for stitched flows
TABLE_unstitched	(Optional) Static Flows unstitched
<i>unstitchedSrc</i>	(Optional) Source IP address unstitched
<i>unstitchedGrp</i>	(Optional) Multicast Group address unstitched
TABLE_unstitchedEgress	(Optional) Egress Interface table unstitched flows
<i>unstitchedEgressIntf</i>	(Optional) Egress Interface for unstitched flows
TABLE_unstitchedHost	(Optional) Host IP table for unstitched flows
<i>unstitchedHostIp</i>	(Optional) Host IP address for unstitched flows
TABLE_Provisioned_Static_Flows	(Optional) Provisioned Static Flows
<i>staticApiSrc</i>	(Optional) Source IP address for Pim Passive
<i>staticApiGrp</i>	(Optional) Multicast Group address for Pim Passive
<i>iifName</i>	(Optional) Ingress Interface name
<i>bwkbps</i>	(Optional) BW in Kbps
<i>policer</i>	(Optional) Policer
<i>iifProgStatus</i>	(Optional) Ingress Interface Prog Status
TABLE_OIF	(Optional) Egress Interface table for Pim Passive flows
<i>isLhr</i>	(Optional) Is LHR
<i>oifName</i>	(Optional) Egress Interface Name
<i>oifProgStatus</i>	(Optional) OIF Interface Prog Status

Command Mode

- /exec

show nbm flows statistics

```
show nbm flows statistics [ group-based [ group <group-ip> ] | source <source-ip> [ group <group-ip> ] |
group <group-ip> [ source <source-ip> ] | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } |
interface <if-name> | logical-id { none | any | <lid-val> } | profile-id <prof-id> ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ] [ __readonly__ { [ TABLE_vrf <vrf-name> [ TABLE_stats { <mcast_grp>
<src_ip> [ <start_time> ] <uptime> <src_intf> <packets> <bytes> <allow_bytes> <drop_bytes> } ] } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
statistics	Flow statistics
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
source	(Optional) Source IP address
<i>source-ip</i>	(Optional) Source IP address value
group	(Optional) Multicast group
<i>group-ip</i>	(Optional) Multicast group address value
flow-policy	(Optional) Flow policy
<i>cfg-pol-name</i>	(Optional) Policy name
<i>unknown-pol-name</i>	(Optional) Policy name
interface	(Optional) Ingress interface
<i>if-name</i>	(Optional) Interface interface name
logical-id	(Optional) Logical ID (LID)
<i>lid-val</i>	(Optional) Logical ID (LID) value
any	(Optional) Any Logical ID (LID)
none	(Optional) Without any Logical ID (LID)
profile-id	(Optional) Profile ID
<i>prof-id</i>	(Optional) Profile ID value
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name

<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
<i>TABLE_vrf</i>	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
<i>TABLE_stats</i>	(Optional) Flow stats table
<i>mcast_grp</i>	(Optional) Multicast group IP
<i>src_ip</i>	(Optional) Source IP
<i>start_time</i>	(Optional) Start time for the flow
<i>uptime</i>	(Optional) Uptime for the flow
<i>src_intf</i>	(Optional) Ingress source interface
<i>packets</i>	(Optional) Packets
<i>bytes</i>	(Optional) Bytes
<i>allow_bytes</i>	(Optional) Allowed bytes
<i>drop_bytes</i>	(Optional) Dropped bytes

Command Mode

- /exec

show nbm flows summary

```
show nbm flows summary [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf
<vrf-name> [ TABLE_flows_summary <flow_type> <starg> <sg> <total> ] [ TABLE_flows_summary_per_rpf
<if-name> <starg> <sg> <total> ] ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM Flows
summary	NBM Flow Summary
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
TABLE_flows_summary	(Optional) Flow summary table
<i>flow_type</i>	(Optional) Type of Flow Summary
<i>sg</i>	(Optional) (S,G) number of flows
<i>starg</i>	(Optional) (*,G) number of flows
<i>total</i>	(Optional) Total Flows
TABLE_flows_summary_per_rpf	(Optional) Flow summary table per RPF
<i>if-name</i>	(Optional) RPF Interface name
<i>sg</i>	(Optional) (S,G) number of flows
<i>starg</i>	(Optional) (*,G) number of flows
<i>total</i>	(Optional) Total Flows

Command Mode

- /exec

show nbm host-policy all

```
show nbm host-policy all { sender | { receiver { local | external } } } [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf <vrf-name> <policyType> <defaultHostPolicy>
[ TABLE_host_policies <seqNum> <source> <group> <groupMask> [ <host> ] <permission> ] <numPolicies>
] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
all	All policies on switch
sender	Sender Policy
receiver	Receiver Policy
local	Local receiver policy
external	External receiver policy
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
<i>policyType</i>	(Optional) Type of Policy
<i>defaultHostPolicy</i>	(Optional) Default Permission for Host Policy
TABLE_host_policies	(Optional) Host policy table
<i>seqNum</i>	(Optional) Sequence number
<i>source</i>	(Optional) Source IP
<i>group</i>	(Optional) Multicast group IP
<i>groupMask</i>	(Optional) Group mask length
<i>host</i>	(Optional) Reporter or Host IP

<i>permission</i>	(Optional) Permission for this Policy
<i>numPolicies</i>	(Optional) Number of Policies

Command Mode

- /exec

show nbm host-policy applied receiver

```
show nbm host-policy applied receiver { { { local { all | wildcard } | external } [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ] } | { local interface <if-name> } } [ __readonly__ [ TABLE_vrf <vrf-name>
<policyType> <defaultHostPolicy> [ TABLE_interface <ifName> [ TABLE_host_policies <seqNum>
<source> <group> <groupMask> <permission> <denyCounter> ] ] [ TABLE_wildcard_policies
<seqNumWildcard> <sourceWildcard> <groupWildcard> <groupMaskWildcard> <permissionWildcard>
<denyCounterWildcard> ] <numPolicies> ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
receiver	Receiver Policy
local	Local receiver policy
all	All policies on switch
wildcard	All wildcard policies
external	External receiver policy
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
all	(Optional) Display all VRFs
interface	Interface
<i>if-name</i>	Interface name
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
<i>policyType</i>	(Optional) Type of Policy
<i>defaultHostPolicy</i>	(Optional) Default Permission for Host Policy
TABLE_interface	(Optional) Interface table
<i>ifName</i>	(Optional) Interface name

TABLE_host_policies	(Optional) Host policy table
<i>seqNum</i>	(Optional) Sequence number
<i>source</i>	(Optional) Source IP
<i>group</i>	(Optional) Multicast group IP
<i>groupMask</i>	(Optional) Group mask length
<i>permission</i>	(Optional) Permission for this Policy
<i>denyCounter</i>	(Optional) Deny Counter
TABLE_wildcard_policies	(Optional) Wildcard policy table
<i>seqNumWildcard</i>	(Optional) Sequence number
<i>sourceWildcard</i>	(Optional) Source IP
<i>groupWildcard</i>	(Optional) Multicast group IP
<i>groupMaskWildcard</i>	(Optional) Group mask length
<i>permissionWildcard</i>	(Optional) Permission for this Policy
<i>denyCounterWildcard</i>	(Optional) Deny Counter
<i>numPolicies</i>	(Optional) Number of Policies

Command Mode

- /exec

show nbm host-policy applied sender

```
show nbm host-policy applied sender { { { all | wildcard } [ vrf { <vrf-name> | <nbm-vrf-known-name> | all
} ] } | { interface <if-name> } } [ __readonly__ [ TABLE_vrf <vrf-name> <policyType> <defaultHostPolicy>
[ TABLE_interface <ifName> [ TABLE_host_policies <seqNum> <source> <group> <groupMask>
<permission> ] ] [ TABLE_wildcard_policies <seqNumWildcard> <sourceWildcard> <groupWildcard>
<groupMaskWildcard> <permissionWildcard> ] <numPolicies> ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
sender	Sender Policy
all	All policies on switch
wildcard	Wildcard host policy
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
interface	Interface
<i>if-name</i>	Interface name
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
<i>vrf-name</i>	(Optional) VRF name
<i>policyType</i>	(Optional) Type of Policy
<i>defaultHostPolicy</i>	(Optional) Default Permission for Host Policy
TABLE_interface	(Optional) Interface table
<i>ifName</i>	(Optional) Interface name
TABLE_host_policies	(Optional) Host policy table
<i>seqNum</i>	(Optional) Sequence number
<i>source</i>	(Optional) Source IP

<i>group</i>	(Optional) Multicast group IP
<i>groupMask</i>	(Optional) Group mask length
<i>permission</i>	(Optional) Permission for this Policy
TABLE_wildcard_policies	(Optional) Wildcard policy table
<i>seqNumWildcard</i>	(Optional) Sequence number
<i>sourceWildcard</i>	(Optional) Source IP
<i>groupWildcard</i>	(Optional) Multicast group IP
<i>groupMaskWildcard</i>	(Optional) Group mask length
<i>permissionWildcard</i>	(Optional) Permission for this Policy
<i>numPolicies</i>	(Optional) Number of Policies

Command Mode

- /exec

<i>num_oif</i>	(Optional) number of OIF
<i>policer_pending</i>	(Optional) pending policer
<i>policer</i>	(Optional) Policer disabled or enabled
TABLE_oifs	(Optional) OIF table
<i>oif-name</i>	(Optional) OIF name
<i>owner</i>	(Optional) OIF Owner
<i>nat-count</i>	(Optional) NAT count

Command Mode

- /exec

show nbm interface bandwidth

```
show nbm interface { bandwidth | bandwidth-utilized } [ interface <if-name> ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ] [ __readonly__ [ TABLE_bw { <index> <ifname> <iod> <slot> <unit>
<slice> <configured_unicast_percentage> <ingr_fl_bw_available> <ingr_fl_bw_usable> <ingr_fl_bw_capacity>
<applied_ingr_unicast_mbps> <applied_ingr_unicast_rsvd_percent> <egr_fl_bw_available>
<egr_fl_bw_usable> <egr_fl_bw_capacity> <applied_egr_unicast_mbps> <applied_egr_unicast_rsvd_percent>
<nbr_dev_id> <nbr_dev_name> <external> } ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
interface	interface
bandwidth	Bandwidth interface table
bandwidth-utilized	Utilized Bandwidth interface table
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
interface	(Optional) Interface
<i>if-name</i>	(Optional) Physical or Logical interface
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
<i>__readonly__</i>	(Optional)
TABLE_bw	(Optional) TABLE Bandwidth
<i>index</i>	(Optional) Index
<i>ifname</i>	(Optional) Interface
<i>iod</i>	(Optional) IOD
<i>slot</i>	(Optional) SLOT
<i>unit</i>	(Optional) UNIT
<i>slice</i>	(Optional) SLICE
<i>configured_unicast_percentage</i>	(Optional) Link Configured Unicast Percentage
<i>ingr_fl_bw_available</i>	(Optional) Ingress Link BW available in MBPS
<i>ingr_fl_bw_usable</i>	(Optional) Ingress Link BW usable in MBPS

<i>ingr_fl_bw_capacity</i>	(Optional) Ingress Link BW capacity in MBPS
<i>applied_ingr_unicast_mbps</i>	(Optional) Applied ingress Unicast bandwidth allotted in MBPS
<i>applied_ingr_unicast_rsvd_percent</i>	(Optional) Applied ingress Unicast bandwidth reserved percent
<i>egr_fl_bw_available</i>	(Optional) Egress Link BW available in MBPS
<i>egr_fl_bw_usable</i>	(Optional) Egress Link BW usable in MBPS
<i>egr_fl_bw_capacity</i>	(Optional) Egress Link BW capacity in MBPS
<i>applied_egr_unicast_mbps</i>	(Optional) Applied egress Unicast bandwidth allotted in MBPS
<i>applied_egr_unicast_rsvd_percent</i>	(Optional) Applied egress Unicast bandwidth reserved percent
<i>nbr_dev_id</i>	(Optional) Neighbor device ID
<i>nbr_dev_name</i>	(Optional) Neighbor device name
<i>external</i>	(Optional) External

Command Mode

- /exec

show ngoam interface statistics

```
show ngoam interface statistics [ __readonly__ [ TABLE_stats { <interface-name> <tx> <rx> } <statistics-end> ] ]
```

Syntax Description

TABLE_stats	(Optional) interface statistics table
<i>interface-name</i>	(Optional) interface namestring
<i>tx</i>	(Optional) ngoam probe transmit on the interface
<i>rx</i>	(Optional) ngoam probe receive on the interface
show	Show running system information
ngoam	ngoam
interface	probe packet interface
statistics	ngoam probe interface statistics
__readonly__	(Optional) Read Only
<i>statistics-end</i>	(Optional) statistics table end marker

Command Mode

- /exec

show ngoam loop-detection status

```
show ngoam loop-detection status [ vlan <vlan-range> [ port <port-range> ] ] [ history ] [ __readonly__
<top-line> [ TABLE_loopdetection_status { <vlanId> <portId> <state> <numLoops> <loopDetectedTime>
<loopClearedTime> } ] ]
```

Syntax Description

show	Show running system information
ngoam	Configure ngoam
loop-detection	Configure sld
status	show blocked/recovering state loops
vlan	(Optional) ngoam loop-detection vlan
port	(Optional) ngoam loop-detection port
history	(Optional) show history of loops detected
<i>vlan-range</i>	(Optional) vlan range max span 1024, Example: 2000-3000,400,500
<i>port-range</i>	(Optional) Interface for loop detection
<i>__readonly__</i>	(Optional) Read Only
TABLE_loopdetection_status	(Optional) Loop detection status table
<i>vlanId</i>	(Optional) Vlan id of loop detected
<i>portId</i>	(Optional) Port name of loop detected
<i>state</i>	(Optional) Port status
<i>loopDetectedTime</i>	(Optional) Loop detection time stamp
<i>loopClearedTime</i>	(Optional) Loop Cleared time stamp
<i>numLoops</i>	(Optional) Number of times loop detected for given vlanid and port
<i>top-line</i>	(Optional) Placeholder for printing the status header

Command Mode

- /exec

show ngoam loop-detection summary

```
show ngoam loop-detection summary [ __readonly__ [ TABLE_loopdetection_summary { <enable>
<periodic_probe_interval> <port_recovery_interval> <numVlans> <numPorts> <numLoops>
<numPortsBlocked> <numVlansDisabled> <numPortsDisabled> <totalProbesSent> <totalProbesReceived>
<nextProbeTime> <nextRecoveryTime> } ] ]
```

Syntax Description

show	Show running system information
ngoam	Configure ngoam
loop-detection	Show loop detection
summary	ngoam loop detection summary
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_loopdetection_summary</i>	(Optional) Loop detection summary table
<i>enable</i>	(Optional) Loop detection enable
<i>periodic_probe_interval</i>	(Optional) Loop detection probe interval
<i>port_recovery_interval</i>	(Optional) Loop detection port recovery time
<i>numVlans</i>	(Optional) Number of vlan Loop detection is active monitoring
<i>numPorts</i>	(Optional) Number of ports Loop detection is active monitoring
<i>numLoops</i>	(Optional) Number of loops detected
<i>numPortsBlocked</i>	(Optional) Number of ports blocked by the loop detection
<i>numVlansDisabled</i>	(Optional) Number of VLANs,loop detection has disabled
<i>numPortsDisabled</i>	(Optional) Number of ports,loop detection has disabled
<i>totalProbesSent</i>	(Optional) Total number of probes sent
<i>totalProbesReceived</i>	(Optional) Total number of probes received
<i>nextProbeTime</i>	(Optional) Next probe window start time
<i>nextRecoveryTime</i>	(Optional) Next recovery window start time

Command Mode

- /exec

show ngoam loopback

```
show ngoam loopback { { statistics { session { <handle> | all } | summary } } | { status { session { <handle> | all } } } } [ _readonly_ [ TABLE_statistics { <sender-handle> [ <connect-check-id> ] <last-clear-stats> TABLE_stats_attr { <stat-attr> <stat-value> } } ] [ TABLE_status { <st-sender-handle> <type> <state> } ] [ TABLE_statistics_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <req-sw-fwd> <req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> <resp-sw-fwd> <resp-drop> } ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam
loopback	ngoam loopback
statistics	ngoam loopback statistics
summary	ngoam loopback statistics summary
status	ngoam loopback status
session	ngoam loopback session
session	ngoam loopback session
<i>handle</i>	ngoam loopback session handle
<i>handle</i>	ngoam loopback session handle
all	Display results for all ping/loopback sessions
all	Display results for all ping/loopback sessions
TABLE_statistics	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>connect-check-id</i>	(Optional) connect check id
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_attr	(Optional) Stats attributes table
<i>stat-attr</i>	(Optional) stats type
<i>stat-value</i>	(Optional) stats value
TABLE_statistics_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received

<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>resp-dup</i>	(Optional) Duplicate responses received
<i>req-sw-fwd</i>	(Optional) Request pkts sw fwded
<i>resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>req-drop</i>	(Optional) Requests dropped
<i>resp-drop</i>	(Optional) Responses dropped
TABLE_status	(Optional) database status table
<i>st-sender-handle</i>	(Optional) sender handle
<i>type</i>	(Optional) ngoam ping type
<i>state</i>	(Optional) ngoam ping state
__readonly__	(Optional) Read Only

Command Mode

- /exec

show ngoam pathtrace

```
show ngoam pathtrace { { statistics { summary | { session { <handle> | all } } } } | { database session {
<handle> | all } [ detail ] } } [ __readonly__ [ { TABLE_stats <sender-handle> <last-clear-stats> [
TABLE_stats_fields { <stat-attr> <stat-value> } ] ] ] [ { TABLE_summary <last-clear-summary-stats> <tx>
<rx> <timeout> <unsent> <req-sw-fwd> <req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup>
<resp-sw-fwd> <resp-drop> } ] [ { TABLE_database <db-sender-handle> <db-start-time> <db-end-time>
<db-last-clear-stats> <db-tx> <db-rx> <db-timeout> <db-unsent> <db-req-sw-fwd> <db-req-drop> <db-resp-tx>
<db-resp-rx> <db-resp-unsent> <db-resp-dup> <db-resp-sw-fwd> <db-resp-drop> { TABLE_db_reply
<seq-number> <cli-status> [ <reply-ip> ] [ <ingress-if> ] [ <ingress-if-state> ] [ <egress-if> ] [ <egress-if-state>
] ] [ { TABLE_ifstats <if-name> <rx-len> <rx-bytes> <rx-pkt-rate> <rx-byte-rate> <rx-load> <rx-ucast>
<rx-mcast> <rx-bcast> <rx-discards> <rx-errors> <rx-unknown> <rx-bandwidth> <tx-len> <tx-bytes>
<tx-pkt-rate> <tx-byte-rate> <tx-load> <tx-ucast> <tx-mcast> <tx-bcast> <tx-discards> <tx-errors>
<tx-bandwidth> } ] [ <end-row> ] + } } ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam
pathtrace	ngoam pathtrace
statistics	ngoam pathtrace statistics
summary	ngoam pathtrace statistics summary
session	ngoam pathtrace session
<i>handle</i>	ngoam pathtrace session handle
all	Display results for all pathtrace sessions
database	ngoam pathtrace results from the database
session	ngoam pathtrace session
all	Display results for all pathtrace sessions
<i>handle</i>	ngoam pathtrace session handle
detail	(Optional) Show detailed stats if present
__readonly__	(Optional) Read Only
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_fields	(Optional) statistics entries
<i>stat-attr</i>	(Optional) stats type

<i>stat-value</i>	(Optional) stats value
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>req-sw-fwd</i>	(Optional) Request pkts sw fwded
<i>req-drop</i>	(Optional) Requests dropped
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>resp-dup</i>	(Optional) Duplicate responses received
<i>resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>resp-drop</i>	(Optional) Responses dropped
TABLE_database	(Optional) pathtrace database
<i>db-sender-handle</i>	(Optional) Sender handle
<i>db-start-time</i>	(Optional) Start time
<i>db-end-time</i>	(Optional) End time
<i>db-last-clear-stats</i>	(Optional) Last clear stats
<i>db-tx</i>	(Optional) Tx packets
<i>db-rx</i>	(Optional) Rx packets
<i>db-timeout</i>	(Optional) Timeout
<i>db-unsent</i>	(Optional) Unsent
<i>db-req-sw-fwd</i>	(Optional) Request pkts sw fwded
<i>db-req-drop</i>	(Optional) Requests dropped
<i>db-resp-tx</i>	(Optional) Response tx
<i>db-resp-rx</i>	(Optional) Response Rx
<i>db-resp-unsent</i>	(Optional) Response unsent

<i>db-resp-dup</i>	(Optional) Duplicate response recvd
<i>db-resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>db-resp-drop</i>	(Optional) Responses dropped
TABLE_db_reply	(Optional) Replies
<i>seq-number</i>	(Optional) Sequence number
<i>cli-status</i>	(Optional) ngoam pathtrace status
<i>reply-ip</i>	(Optional) ngoam pathtrace reply ip
<i>ingress-if</i>	(Optional) Ingress interface
<i>ingress-if-state</i>	(Optional) Ingress interface state
<i>egress-if</i>	(Optional) Egress interface
<i>egress-if-state</i>	(Optional) Egress interface state
<i>end-row</i>	(Optional) Row end
TABLE_ifstats	(Optional) Interface statistics
<i>if-name</i>	(Optional) Interface name
<i>rx-len</i>	(Optional) Rx Length
<i>rx-bytes</i>	(Optional) Rx Bytes
<i>rx-pkt-rate</i>	(Optional) Rx packet rate
<i>rx-byte-rate</i>	(Optional) Rx byte rate
<i>rx-load</i>	(Optional) Rx load
<i>rx-ucast</i>	(Optional) Rx unicast pkts
<i>rx-mcast</i>	(Optional) Rx mcast pkts
<i>rx-bcast</i>	(Optional) Rx bcast pkts
<i>rx-discards</i>	(Optional) Rx discards
<i>rx-errors</i>	(Optional) Rx errors
<i>rx-unknown</i>	(Optional) Rx unknown
<i>rx-bandwidth</i>	(Optional) Rx bandwidth
<i>tx-len</i>	(Optional) Tx Length
<i>tx-bytes</i>	(Optional) Tx Bytes
<i>tx-pkt-rate</i>	(Optional) Tx packet rate

<i>tx-byte-rate</i>	(Optional) Tx byte rate
<i>tx-load</i>	(Optional) Tx load
<i>tx-ucast</i>	(Optional) Tx unicast pkts
<i>tx-mcast</i>	(Optional) Tx mcast pkts
<i>tx-bcast</i>	(Optional) Tx bcast pkts
<i>tx-discards</i>	(Optional) Tx discards
<i>tx-errors</i>	(Optional) Tx unknown
<i>tx-bandwidth</i>	(Optional) Tx bandwidth

Command Mode

- /exec

show ngoam probe

```
show ngoam probe { { statistics { summary | { session { <handle> | all } } } } [ __readonly__ [ TABLE_stats
{ <sender-handle> <transaction-id> <dst-vip> <vni> <oam-type> <flow-str> <last-clear-stats> <req-sent>
<req-not-sent> } <statistics-end> ] [ TABLE_summary { <last-clear-summary-stats> <tx> <rx> <timeout>
<unsent> <resp-tx> <resp-rx> <resp-unsent> } ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam
probe	ngoam probe
statistics	ngoam probe statistics
summary	ngoam probe statistics summary
session	ngoam probe session
<i>handle</i>	ngoam probe session handle
all	Display results for all probe sessions
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>transaction-id</i>	(Optional) Transaction Identifier
<i>dst-vip</i>	(Optional) Destination Vtep ip address
<i>vni</i>	(Optional) vxlan header vni
<i>oam-type</i>	(Optional) draft pang oam type
<i>flow-str</i>	(Optional) 128 byte flow string.
<i>last-clear-stats</i>	(Optional) last clear time for statistics
<i>req-sent</i>	(Optional) request sent
<i>req-not-sent</i>	(Optional) request not sent or failed
<i>statistics-end</i>	(Optional) statistics table end marker
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received

<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>__readonly__</i>	(Optional) Read Only

Command Mode

- /exec

show ngoam traceroute statistics

```
show ngoam traceroute statistics { summary | { session { <handle> | all } } } [ __readonly__ [ TABLE_stats
{ <sender-handle> <last-clear-stats> TABLE_stats_attr { <stat-attr> <stat-value> } } ] [ TABLE_summary
{ <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <resp-tx> <resp-rx> <resp-unsent> <resp-dup>
} ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam
traceroute	ngoam traceroute
statistics	ngoam traceroute statistics
summary	ngoam traceroute statistics summary
session	ngoam traceroute session
<i>handle</i>	ngoam traceroute session handle
all	Display results for all traceroute sessions
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_attr	(Optional) Stats attributes table
<i>stat-attr</i>	(Optional) stats type
<i>stat-value</i>	(Optional) stats value
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent

<i>resp-dup</i>	(Optional) Duplicate responses received
<i>__readonly__</i>	(Optional) Read Only

Command Mode

- /exec

show ngoam xconnect session

```
show ngoam xconnect session { <id> [ iodb ] | all [ dbdump ] } [ __readonly__ [ TABLE_xc_db_summary
{ [ <legend> ] <vlan-id> <peer-ip> <vni> <db-state> <local-if> <local-if-state> <remote-if> <remote-if-state>
[ <end-row> ] + } + ] [ ENTRY_xc_db_detail { <detail> <d-vlan-id> <d-peer-ip> [ <peer-name> ] <d-vni>
<d-db-state> <last-state-change-ts> <d-local-if> <d-local-if-state> <vpc-if> <vpc-if-state> <remote-if-detail>
<remote-if-detail-state> <remote-vpc-if> <remote-vpc-if-state> [ <d-end-row> ] + } ] ]
```

Syntax Description

show	Show running system information
ngoam	ngoam information
xconnect	crossconnect info
session	xc session id
<i>id</i>	Vlan-id of the xc
iodb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
all	show summary info for all sessions
<i>__readonly__</i>	(Optional) Read Only
TABLE_xc_db_summary	(Optional) XC Db table
ENTRY_xc_db_detail	(Optional) XC Db detail
<i>detail</i>	(Optional) Detail or not
<i>vlan-id</i>	(Optional) Vlan id
<i>d-vlan-id</i>	(Optional) Vlan id
<i>vni</i>	(Optional) vni
<i>d-vni</i>	(Optional) vni
<i>local-if</i>	(Optional) Interface
<i>d-local-if</i>	(Optional) Interface
<i>local-if-state</i>	(Optional) Interface state
<i>d-local-if-state</i>	(Optional) Interface state
<i>remote-if</i>	(Optional) Remote interface
<i>remote-if-state</i>	(Optional) Remote interface state
<i>remote-if-detail</i>	(Optional) Remote interface
<i>remote-if-detail-state</i>	(Optional) Remote interface state

<i>vpc-if</i>	(Optional) Interface
<i>vpc-if-state</i>	(Optional) Interface state
<i>remote-vpc-if</i>	(Optional) Remote vpc interface
<i>remote-vpc-if-state</i>	(Optional) Remote vpc interface state
<i>db-state</i>	(Optional) XC state
<i>d-db-state</i>	(Optional) XC state
<i>last-state-change-ts</i>	(Optional) Last state change timestamp
<i>peer-ip</i>	(Optional) Peer ip
<i>d-peer-ip</i>	(Optional) Peer ip
<i>peer-name</i>	(Optional) Peer name
<i>end-row</i>	(Optional) end row
<i>d-end-row</i>	(Optional) end row
<i>legend</i>	(Optional) legend
dbdump	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show npiv status

show npiv status

Syntax Description

show	Show running system information
npiv	Show information about the npiv feature
status	Show the status of the npiv feature

Command Mode

- /exec

show npv external-interface-usage

```
show npv external-interface-usage [ server-interface <if0> ] [ __readonly__ { TABLE_intf_usage <svr_intf>
<ext_intf> } ]
```

Syntax Description

show	Show running system information
npv	Show information about NPV
external-interface-usage	Show external interface usage by server interfaces
server-interface	(Optional) Show external interface usage by a server interface
<i>if0</i>	(Optional)
__readonly__	(Optional) Read Only
TABLE_intf_usage	(Optional) External Interfaces Usage Table
<i>svr_intf</i>	(Optional) Server Interface
<i>ext_intf</i>	(Optional) External Interface

Command Mode

- /exec

show npv flogi-table

```
show npv flogi-table [ { interface <i0> | vsan <i0> } ] [ __readonly__ [ [ TABLE_flogi <svr_intf> <vsan_id>
<fcid> <pwwn> <ext_intf> <nwwn> ] [ <flogi_count> ] ] ]
```

Syntax Description

show	Show running system information
npv	Show information about NPV
flogi-table	Show information about FLOGI sessions
interface	(Optional) Show information about FLOGI sessions for a server interface
<i>i0</i>	(Optional)
vsan	(Optional) Show information about FLOGI sessions for a VSAN
<i>i0</i>	(Optional)
__readonly__	(Optional) Read Only
TABLE_flogi	(Optional) FLOGI Table
<i>svr_intf</i>	(Optional) Server Interface
<i>vsan_id</i>	(Optional) VSAN ID
<i>fcid</i>	(Optional) FLOGI FCID
<i>pwwn</i>	(Optional) The PWWN
<i>ext_intf</i>	(Optional) External Interface
<i>nwwn</i>	(Optional) The NWWN
<i>flogi_count</i>	(Optional) Total FLOGI Count

Command Mode

- /exec

show npv status

```
show npv status [ vsan <i0> ] [ __readonly__ [ [ <npiv_status> ] [ <load_balance> ] [ { TABLE_extintf
<ext_intf> [ <ext_vsan> ] [ <ext_fcid> ] <ext_state> [ { TABLE_vsan <vsan_vsan> <vsan_state> [ <vsan_fcid>
] } ] ] ] <ext_intf_count> [ { TABLE_svrntf <svr_intf> <svr_vsan> <svr_state> } ] <svr_intf_count> ] ]
```

Syntax Description

show	Show running system information
npv	Show information about NPV
status	Show NPV status
vsan	(Optional) Show NPV status for a specific VSAN
i0	(Optional)
__readonly__	(Optional) Read Only
npiv_status	(Optional) NPIV enable/disable status
load_balance	(Optional) disruptive load balance status
TABLE_extintf	(Optional) External Interfaces Table
ext_intf	(Optional) External Interface
ext_vsan	(Optional) External Interface VSAN
ext_fcid	(Optional) External Interface FCID
ext_state	(Optional) External Interface State
TABLE_vsan	(Optional) External Interfaces VSAN Table
vsan_vsan	(Optional) External Interface VSAN
vsan_state	(Optional) VSAN State
vsan_fcid	(Optional) VSAN FCID
ext_intf_count	(Optional) External Interface count
TABLE_svrntf	(Optional) Server Interfaces Table
svr_intf	(Optional) Server Interface
svr_vsan	(Optional) Server Interface VSAN
svr_state	(Optional) Server Interface State
svr_intf_count	(Optional) Server Interface count

Command Mode

- /exec

show npv traffic-map

```
show npv traffic-map [ server-interface <if0> ] [ __readonly__ [ { TABLE_traffic_map <svr_intf> <ext_intf>
} ] ]
```

Syntax Description

show	Show running system information
npv	Show information about NPV
traffic-map	Show information about Traffic Map
server-interface	(Optional) Show information about Traffic map for a server interface
<i>if0</i>	(Optional)
__readonly__	(Optional) Read Only
TABLE_traffic_map	(Optional) Traffic Map Table
<i>svr_intf</i>	(Optional) Server Interface
<i>ext_intf</i>	(Optional) External Interface

Command Mode

- /exec

show ntp access-groups

```
show ntp access-groups [ __readonly__ [ <matchall> ] [ { TABLE_accessgroups <accesslist> [ <type> } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
access-groups	Display NTP access groups
__readonly__	(Optional)
<i>matchall</i>	(Optional) matchall
TABLE_accessgroups	(Optional) accessgroups
<i>accesslist</i>	(Optional) accesslist
<i>type</i>	(Optional) type

Command Mode

- /exec

show ntp authentication-keys

```
show ntp authentication-keys [ __readonly__ [ { TABLE_authkeys <Authkey> [ <MD5String> ] } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-keys	Display authentication keys
__readonly__	(Optional)
TABLE_authkeys	(Optional) authentication keys
<i>Authkey</i>	(Optional) authentication key
<i>MD5String</i>	(Optional) password

Command Mode

- /exec

show ntp authentication-status

show ntp authentication-status [__readonly__ [<authentication>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-status	NTP Authentication Status
__readonly__	(Optional)
<i>authentication</i>	(Optional) authentication enabled/disabled

Command Mode

- /exec

show ntp information

show ntp information [*__readonly__* [*<system_type>*] [*<software_version>*]]

Syntax Description

show	Show running system information
ntp	Show NTP information
information	Show ntp information
<i>__readonly__</i>	(Optional)
<i>system_type</i>	(Optional) Ntp System Type
<i>software_version</i>	(Optional) Ntp Software Version

Command Mode

- /exec

show ntp logging-status

```
show ntp logging-status [ __readonly__ [ <loggingstatus> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
logging-status	Display NTP logging status
__readonly__	(Optional)
<i>loggingstatus</i>	(Optional) logging enabled/disabled

Command Mode

- /exec

show ntp peer-status

```
show ntp peer-status [ __readonly__ [ <totalpeers> ] [ { TABLE_peersstatus <syncmode> <remote> <local>
<st> <poll> <reach> <delay> [ <vrf> ] } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
peer-status	Show the status for all the server/peers
<i>__readonly__</i>	(Optional)
<i>totalpeers</i>	(Optional) totalpeers
TABLE_peersstatus	(Optional) peersstatus
<i>syncmode</i>	(Optional) peermode
<i>remote</i>	(Optional) remote addr
<i>local</i>	(Optional) local addr
<i>st</i>	(Optional) stratum
<i>poll</i>	(Optional) ntp poll
<i>reach</i>	(Optional) reach
<i>delay</i>	(Optional) delay
<i>vrf</i>	(Optional) vrf name

Command Mode

- /exec

show ntp peers

```
show ntp peers [ __readonly__ [ { TABLE_peers <PeerIPAddress> <serv_peer> <conf_flag> } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
peers	Show all the peers.
__readonly__	(Optional)
TABLE_peers	(Optional) peers
<i>PeerIPAddress</i>	(Optional) peer Ip addr
<i>serv_peer</i>	(Optional) server or peer
<i>conf_flag</i>	(Optional) configured or dynamic

Command Mode

- /exec

show ntp rts-update

show ntp rts-update [__readonly__ [<rtsupdate>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
rts-update	Show if the RTS update is enabled
__readonly__	(Optional)
<i>rtsupdate</i>	(Optional) rts update enabled/disabled

Command Mode

- /exec

show ntp session status

```
show ntp session status [ __readonly__ [ <session_status> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
session	Show the session information
status	Show the session status
__readonly__	(Optional)
<i>session_status</i>	(Optional) last session status

Command Mode

- /exec

show ntp source-interface

show ntp source-interface [__readonly__ [<sourceinterface>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
source-interface	Source interface configured
__readonly__	(Optional)
<i>sourceinterface</i>	(Optional) source interface

Command Mode

- /exec

show ntp source

```
show ntp source [ __readonly__ [ { TABLE_sourceip <sourceip> } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
source	Source IP address configured
__readonly__	(Optional)
TABLE_sourceip	(Optional) source ip table
<i>sourceip</i>	(Optional) source ip addr

Command Mode

- /exec

show ntp statistics

```
show ntp statistics [ [ io ] | [ local ] | [ memory ] | peer { ipaddr { <ipv4_0> | <ipv6_1> } | name <s0> } ] [
__readonly__ [ { <iotimesincereset> <ioreceivebuffers> <iofreereceivebuffers> <iousedreceivebuffers>
<iolowwaterrefills> <iodroppedpackets> <ioignoredpackets> <ioreceivedpackets> <iopacketsent>
<iopacketsnotsent> <iointerruptshandled> <ioreceivedbyint> } ] [ { <localsystemuptime> <localtimesincereset>
<localoldversionpackets> <localnewversionpackets> <localunknownversionnumber> <localbadpacketformat>
<localpacketsprocessed> <localbadauthentication> [ <localpacketsrejected> } ] [ { <memtimesincereset>
<memtotalpeermemory> <memfreepeermemory> <memcallstofindpeer> <memnewpeerallocations>
<mempeerdemobilizations> <memhashtablecounts> } ] [ { <peeripremotehost> <peeriplocalinterface>
<peeriptimelastreceived> <peeriptimeuntilnextsend> <peeripreachabilitychange> <peerippacketsent>
<peerippacketsreceived> <peeripbadauthentication> <peeripbogusorigin> <peeripduplicate>
<peeripbaddispersion> <peeripbadreferencetime> <peeripcandidateorder> } ] [ { <peernameremotehost>
<peernamelocalinterface> <peernametimelastreceived> <peernametimeuntilnextsend>
<peernamereachabilitychange> <peernamepacketsent> <peernamepacketsreceived>
<peernamebadauthentication> <peernamebogusorigin> <peernameduplicate> <peernameduplicate>
<peernamebaddispersion> <peernamebadreferencetime> <peernamecandidateorder> } ] ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
statistics	Show the NTP statistics
io	(Optional) Show the input-output statistics.
local	(Optional) Show the counters maintained by the local NTP.
memory	(Optional) Show the statistics counters related to memory code.
peer	Show the per-peer statistics counter of a peer.
ipaddr	Peer's IP address
<i>ipv4_0</i>	
name	Peer's Name
<i>s0</i>	
<i>__readonly__</i>	(Optional)
<i>iotimesincereset</i>	(Optional) time since reset
<i>ioreceivebuffers</i>	(Optional) receive buffers
<i>iofreereceivebuffers</i>	(Optional) free receive buffers
<i>iousedreceivebuffers</i>	(Optional) used receive buffers
<i>iolowwaterrefills</i>	(Optional) low water refills

<i>iodroppedpackets</i>	(Optional) dropped packets
<i>ioignoredpackets</i>	(Optional) ignored packets
<i>ioreceivedpackets</i>	(Optional) received packets
<i>iopacketsent</i>	(Optional) packets sent
<i>iopacketsnotsent</i>	(Optional) packets not sent
<i>iointerruptshandled</i>	(Optional) interrupts handled
<i>ioreceivedbyint</i>	(Optional) received by int
<i>localsystemuptime</i>	(Optional) system up time
<i>localtimesincereset</i>	(Optional) time since reset
<i>localoldversionpackets</i>	(Optional) old version packets
<i>localnewversionpackets</i>	(Optional) new version packets
<i>localunknownversionnumber</i>	(Optional) unknown version number
<i>localbadpacketformat</i>	(Optional) bad packet format
<i>localpacketsprocessed</i>	(Optional) packets processed
<i>localbadauthentication</i>	(Optional) bad authentication
<i>localpacketsrejected</i>	(Optional) packets rejected
<i>memtimesincereset</i>	(Optional) time since reset
<i>memtotalpeermemory</i>	(Optional) total peer memory
<i>memfreepeermemory</i>	(Optional) free peer memory
<i>memcallstofindpeer</i>	(Optional) calls to find peer
<i>memnewpeerallocations</i>	(Optional) new peer allocations
<i>mempeerdemobilizations</i>	(Optional) peer demobilizations
<i>memhashtablecounts</i>	(Optional) hash table counts
<i>peeripremotehost</i>	(Optional) peeripremotehost
<i>peeriplocalinterface</i>	(Optional) peeriplocalinterface
<i>peeriptimelastreceived</i>	(Optional) peeriptimelastreceived
<i>peeriptimeuntilnextsend</i>	(Optional) peeriptimeuntilnextsend
<i>peeripreachabilitychange</i>	(Optional) peeripreachabilitychange
<i>peerippacketsent</i>	(Optional) peerippacketsent

<i>peerippacketsreceived</i>	(Optional) peerippacketsreceived
<i>peeripbadauthentication</i>	(Optional) peeripbadauthentication
<i>peeripbogusorigin</i>	(Optional) peeripbogusorigin
<i>peeripduplicate</i>	(Optional) peeripduplicate
<i>peeripbaddispersion</i>	(Optional) peeripbaddispersion
<i>peeripbadreferencetime</i>	(Optional) peeripbadreferencetime
<i>peeripcandidateorder</i>	(Optional) peeripcandidateorder
<i>peername remotehost</i>	(Optional) peername remotehost
<i>peername localinterface</i>	(Optional) peername localinterface
<i>peername timelastreceived</i>	(Optional) peername timelastreceived
<i>peername timeuntilnextsend</i>	(Optional) peername timeuntilnextsend
<i>peername reachabilitychange</i>	(Optional) peername reachabilitychange
<i>peername packetsent</i>	(Optional) peername packetsent
<i>peername packetsreceived</i>	(Optional) peername packetsreceived
<i>peername badauthentication</i>	(Optional) peername badauthentication
<i>peername bogusorigin</i>	(Optional) peername bogusorigin
<i>peername duplicate</i>	(Optional) peername duplicate
<i>peername baddispersion</i>	(Optional) peername baddispersion
<i>peername badreferencetime</i>	(Optional) peername badreferencetime
<i>peername candidateorder</i>	(Optional) peername candidateorder

Command Mode

- /exec

show ntp status

```
show ntp status [ __readonly__ [ <distribution> ] [ <operational_state> ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
status	Show the NTP distribution status
<i>__readonly__</i>	(Optional)
<i>distribution</i>	(Optional) distribution enabled/disabled
<i>operational_state</i>	(Optional) last operation status

Command Mode

- /exec

show ntp trusted-keys

```
show ntp trusted-keys [ __readonly__ [ { TABLE_trustkeys <key> } ] ]
```

Syntax Description

show	Show running system information
ntp	Show NTP information
trusted-keys	Display trusted keys
__readonly__	(Optional)
TABLE_trustkeys	(Optional) trusted keys
<i>key</i>	(Optional) trusted key

Command Mode

- /exec

show nve adjacency mpls

```
show nve adjacency mpls [ __readonly__ TABLE_nve_mpls_adj [ { <peer-ip> | <peer-ipv6> } <evi> <label-sr>
<learn-mask> <pending-state> <adj-state> ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
adjacency	Downstream Adjacencies
mpls	Segment routing
<i>__readonly__</i>	(Optional)
<i>TABLE_nve_mpls_adj</i>	(Optional) xml schema for sr nve parameters
<i>peer-ip</i>	(Optional) Peer IP address v4
<i>evi</i>	(Optional) EVI value
<i>label-sr</i>	(Optional) SR Label
<i>learn-mask</i>	(Optional) Learn mask for the peer
<i>pending-state</i>	(Optional) Peer adjacency pending state
<i>adj-state</i>	(Optional) Peer adjacency state

Command Mode

- /exec

show nve bfd neighbors

```
show nve bfd neighbors [ __readonly__ [ TABLE_nve_bfd_neighbors <if-name> [ { <neighbor-vtep-ip>
<neighbor-inner-ip> <neighbor-inner-mac> <neighbor-cc-state> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
bfd	BFD
neighbors	neighbors
<i>__readonly__</i>	(Optional)
<i>TABLE_nve_bfd_neighbors</i>	(Optional) BFD neighbors schema
<i>if-name</i>	(Optional) if-name
<i>neighbor-vtep-ip</i>	(Optional) Remote VTEP IP address
<i>neighbor-inner-ip</i>	(Optional) Remote VTEP Inner IP address
<i>neighbor-inner-mac</i>	(Optional) Remote VTEP Inner MAC address
<i>neighbor-cc-state</i>	(Optional) Remote VTEP vPC consistency check state

Command Mode

- /exec

show nve core-links

```
show nve core-links [ __readonly__ [ TABLE_core_link <if-name> [ { <if-state> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
core-links	Core-links
__readonly__	(Optional)
TABLE_core_link	(Optional) xml schema for show nve core-links
<i>if-name</i>	(Optional) core-link interface name
<i>if-state</i>	(Optional) core-link interface oper state

Command Mode

- /exec

<i>local-ordinal</i>	(Optional) local-ordinal
<i>df-timer-st</i>	(Optional) df election start timer
<i>config-status</i>	(Optional) config state
<i>df-list</i>	(Optional) List of router-ips in DF list
<i>es-rt-added</i>	(Optional) ES route added to L2RIB
<i>ead-rt-added</i>	(Optional) EAD routes added to L2RIB
<i>ead-evi-rt-timer-age</i>	(Optional) EAD/EVI route advertisement timer age
<i>sh-esi</i>	(Optional) Split-horizon ESI
<i>tag</i>	(Optional) tag associated with ESI
<i>type</i>	(Optional) ES type

Command Mode

- /exec

show nve evi

show nve evi [*__readonly__* *TABLE_nve_evi* [*<evi>* *<sw-bd>* *<label-sr>* *<oper-state>* *<evi-state>*]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
evi	Ethernet Virtual Identifier
<i>__readonly__</i>	(Optional)
<i>TABLE_nve_evi</i>	(Optional) xml schema for nve evis
<i>evi</i>	(Optional) EVI value
<i>sw-bd</i>	(Optional) VLAN information
<i>label-sr</i>	(Optional) SR Label
<i>oper-state</i>	(Optional) EVI up or down
<i>evi-state</i>	(Optional) EVI state

Command Mode

- /exec

<i>adv-vmac</i>	(Optional) advertise virtual rmac
<i>nve-flags</i>	(Optional) nve-flags
<i>nve-if-handle</i>	(Optional) interface handle
<i>src-if-holddown-tm</i>	(Optional) hold down time
<i>src-if-holdup-tm</i>	(Optional) hold up time
<i>src-if-holddown-left</i>	(Optional) hold down time left
<i>vpc-compat-check</i>	(Optional) vpc-compat-check
<i>vip-rmac</i>	(Optional) Generated VIP MAC
<i>vip-rmac-ro</i>	(Optional) Generated VIP MAC Re-origination
<i>sm-state</i>	(Optional) sm state
<i>es-delay-restore-time</i>	(Optional) es delay restore time
<i>es-delay-restore-time-left</i>	(Optional) es delay restore time left
<i>fabric-convergence-time</i>	(Optional) fabric convergence time
<i>fabric-convergence-time-left</i>	(Optional) fabric convergence time left
<i>multisite-convergence-time</i>	(Optional) multisite convergence time
<i>multisite-convergence-time-left</i>	(Optional) multisite convergence time left
<i>multisite-bgw-if</i>	(Optional) multisite border gateway interface
<i>multisite-bgw-if-ip</i>	(Optional) multisite if ip
<i>multisite-bgw-if-admin-state</i>	(Optional) multisite if admin state
<i>multisite-bgw-if-oper-state</i>	(Optional) multisite if oper state
<i>multisite-bgw-if-oper-state-down-reason</i>	(Optional) multisite if oper state down reason
<i>dci-advertise-pip</i>	(Optional) dci-advertise-pip

Command Mode

- /exec

show nve mpls

```
show nve mpls [ __readonly__ [ TABLE_nve_mpls { <source-if> { <primary-ip> | <primary-ipv6> } {
<secondary-ip> | <secondary-ipv6> } <sm-state> [ <down-reason> ] } ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
mpls	Segment routing
__readonly__	(Optional)
TABLE_nve_mpls	(Optional) xml schema for sr nve parameters
<i>source-if</i>	(Optional) source-interface
<i>primary-ip</i>	(Optional) primary-ip
<i>secondary-ip</i>	(Optional) secondary-ip
<i>sm-state</i>	(Optional) sm state
<i>down-reason</i>	(Optional) down reason

Command Mode

- /exec

show nve multisite dci-links

```
show nve multisite dci-links [ __readonly__ [ TABLE_multisite_dci_link <if-name> [ { <if-state> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
dci-links	dci-links
__readonly__	(Optional)
TABLE_multisite_dci_link	(Optional) xml schema for show nve multisite dci-links
<i>if-name</i>	(Optional) dci-link interface name
<i>if-state</i>	(Optional) dci-link interface oper state

Command Mode

- /exec

show nve multisite fabric-links

```
show nve multisite fabric-links [ __readonly__ [ TABLE_multisite_fabric_link <if-name> [ { <if-state> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
fabric-links	fabric-links
__readonly__	(Optional)
TABLE_multisite_fabric_link	(Optional) xml schema for show nve multisite fabric-links
<i>if-name</i>	(Optional) fabric-link interface name
<i>if-state</i>	(Optional) fabric-link interface oper state

Command Mode

- /exec

show nve peers

```
show nve peers [ [ interface <nve-if> | peer-ip { <user-peer-ip> | <user-peer-ipv6> } | control-plane | data-plane
] [ detail ] ] [ control-plane-vni [ vni <vni-id> | peer-ip { <user-peer-ip> | <user-peer-ipv6> } ] ] [ controller
] [ __readonly__ TABLE_nve_peers [ [ <detail> ] [ <control-plane-vni> ] [ <if-name> ] { <peer-ip> |
<peer-ipv6> } [ <peer-state> ] [ <learn-type> ] [ <uptime> ] [ <router-mac> ] [ { <first-vni> <create-ts>
<config-vnis> <provision-state> <cp-vni> <vni-assignment-mode> <dc-fabric-location> [ <stale-timer> ] }
] [ { <vni> <learn-src> <learn-src-mask> <vni-gw-mac> <peer-type> <egress-vni> <sw-bd> <irb> <state>
} ] ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	Show peers
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
detail	(Optional) Detailed information
peer-ip	(Optional) Show a specific peer
<i>user-peer-ip</i>	(Optional) Remote Peer IP address
control-plane	(Optional) Show peers learned via control plane
data-plane	(Optional) Show peers learned via data plane
control-plane-vni	(Optional) Show details of control plane vnis
vni	(Optional) VNI ID
<i>vni-id</i>	(Optional) Virtual Network Identifier
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
<i>detail</i>	(Optional) detail
<i>control-plane-vni</i>	(Optional) control-plane-vni
TABLE_nve_peers	(Optional) schema peer
<i>if-name</i>	(Optional) if-name
<i>peer-ip</i>	(Optional) peer-ip
<i>peer-state</i>	(Optional) peer-state
<i>learn-type</i>	(Optional) learn-type

<i>uptime</i>	(Optional) uptime
<i>router-mac</i>	(Optional) router-mac
<i>first-vni</i>	(Optional) first-vni
<i>create-ts</i>	(Optional) create-timestamp
<i>config-vnis</i>	(Optional) config-vnis
<i>provision-state</i>	(Optional) provision-state
<i>cp-vni</i>	(Optional) cp-vni
<i>vni-assignment-mode</i>	(Optional) vni assignment mode
<i>dc-fabric-location</i>	(Optional) dc-fabric-location
<i>stale-timer</i>	(Optional) stale-timer
<i>vni</i>	(Optional) vni value
<i>learn-src</i>	(Optional) learn source
<i>learn-src-mask</i>	(Optional) learn source mask
<i>vni-gw-mac</i>	(Optional) vni gateway mac
<i>peer-type</i>	(Optional) peer location wan/fabric
<i>egress-vni</i>	(Optional) egress-vni value
<i>sw-bd</i>	(Optional) SW BD value
<i>irb</i>	(Optional) IRB state
<i>state</i>	(Optional) State machine state

Command Mode

- /exec

show nve peers interface counters

```
show nve peers { <addr> | <addr-v6> } interface <nve-if> counters [ __readonly__ { <peer-ip> | <peer-ipv6>
} <tx_ucastpkts> <tx_ucastbytes> <tx_mcastpkts> <tx_mcastbytes> <rx_ucastpkts> <rx_ucastbytes>
<rx_mcastpkts> <rx_mcastbytes> ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
counters	Counters
interface	Interface
<i>nve-if</i>	NVE interface
<i>__readonly__</i>	(Optional)
<i>peer-ip</i>	(Optional)
<i>tx_ucastpkts</i>	(Optional)
<i>tx_ucastbytes</i>	(Optional)
<i>tx_mcastpkts</i>	(Optional)
<i>tx_mcastbytes</i>	(Optional)
<i>rx_ucastpkts</i>	(Optional)
<i>rx_ucastbytes</i>	(Optional)
<i>rx_mcastpkts</i>	(Optional)
<i>rx_mcastbytes</i>	(Optional)

Command Mode

- /exec

show nve peers mpls

```
show nve peers mpls [ peer-ip { <user-peer-ip> | <user-peer-ipv6> } ] [ detail ] [ __readonly__
TABLE_nve_mpls_peers [ [ <detail> ] { <peer-ip> | <peer-ipv6> } [ <peer-state> ] [ <uptime> ] [ <create-ts>
] [ <provision-state> ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	Show peers
mpls	Segment routing peers
detail	(Optional) Detailed information
peer-ip	(Optional) Show a specific peer
<i>user-peer-ip</i>	(Optional) Remote Peer IP address
<i>__readonly__</i>	(Optional)
<i>detail</i>	(Optional) detail
TABLE_nve_mpls_peers	(Optional) schema peer
<i>peer-ip</i>	(Optional) peer-ip
<i>peer-state</i>	(Optional) peer-state
<i>uptime</i>	(Optional) uptime
<i>create-ts</i>	(Optional) create-timestamp
<i>provision-state</i>	(Optional) provision-state

Command Mode

- /exec

show nve peers vni interface counters

```
show nve peers { { <addr> | <addr-v6> } | all } vni { <vni-id> | all } interface <nve-if> counters [ __readonly__
TABLE_nve_peer_vni_counters { <peer-ip> | <peer-ipv6> } <vni> <tx_ucastpkts> <tx_ucastbytes>
<tx_mcastpkts> <tx_mcastbytes> <rx_ucastpkts> <rx_ucastbytes> <rx_mcastpkts> <rx_mcastbytes> ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
all	Show counters for all peers/VNIs
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
counters	Counters
interface	Interface
<i>nve-if</i>	NVE interface
__readonly__	(Optional)
TABLE_nve_peer_vni_counters	(Optional)
<i>peer-ip</i>	(Optional)
<i>vni</i>	(Optional)
<i>tx_ucastpkts</i>	(Optional)
<i>tx_ucastbytes</i>	(Optional)
<i>tx_mcastpkts</i>	(Optional)
<i>tx_mcastbytes</i>	(Optional)
<i>rx_ucastpkts</i>	(Optional)
<i>rx_ucastbytes</i>	(Optional)
<i>rx_mcastpkts</i>	(Optional)
<i>rx_mcastbytes</i>	(Optional)

Command Mode

- /exec

show nve replication-servers

```
show nve replication-servers [ __readonly__ [ TABLE_nve_replication_servers <if-name> [ { <server-ip>
<server-state> <server-ready> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
replication-servers	replication-servers
__readonly__	(Optional)
TABLE_nve_replication_servers	(Optional) replcation servers schema
<i>if-name</i>	(Optional) if-name
<i>server-ip</i>	(Optional) Server IP address
<i>server-state</i>	(Optional) Server reachability state
<i>server-ready</i>	(Optional) Server ready state

Command Mode

- /exec

show nve vni

```
show nve vni [ { { interface <nve-if> | <vni-id> | all } [ detail ] } | control-plane | data-plane | summary |
controller ] [ __readonly__ [ TABLE_nve_vni [ [ <detail> ] [ <if-name> <vni> <mcast> <vni-state> <mode>
<type> <flags> <dc-mcast> [ { <prvsn-state> <vlan-bd> [ <svi-state> ] [ <vni-intf-state> ] <vpc-compat-check>
} ] ] [ <summary> ] <cp-vni-count> <cp-vni-up> <cp-vni-down> <dp-vni-count> <dp-vni-up>
<dp-vni-down> ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
all	(Optional) Display all VNIs
detail	(Optional) Detailed information
control-plane	(Optional) show vni learned via BGP
data-plane	(Optional) show vni learned via data plane
summary	(Optional) show vni summary
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_nve_vni	(Optional) vni schema
<i>detail</i>	(Optional) detail
<i>if-name</i>	(Optional) if-name
<i>vni</i>	(Optional) vni
<i>mcast</i>	(Optional) mcast
<i>vni-state</i>	(Optional) vni-state
<i>mode</i>	(Optional) vni-mode
<i>type</i>	(Optional) vni-type
<i>flags</i>	(Optional) vni-flags
<i>dc-mcast</i>	(Optional) dc-mcast

<i>prvsn-state</i>	(Optional) provision-state
<i>vlan-bd</i>	(Optional) vlan-bd
<i>svi-state</i>	(Optional) svi-state
<i>vni-intf-state</i>	(Optional) vni-intf-state
<i>vpc-compat-check</i>	(Optional) vpc-compat-check
<i>summary</i>	(Optional) summary
<i>cp-vni-count</i>	(Optional) CP vni count
<i>cp-vni-up</i>	(Optional) CP vni up count
<i>cp-vni-down</i>	(Optional) CP vni down count
<i>dp-vni-count</i>	(Optional) DP vni count
<i>dp-vni-up</i>	(Optional) DP vni up count
<i>dp-vni-down</i>	(Optional) DP vni down count

Command Mode

- /exec

show nve vni counters

```
show nve vni { <vni-id> | all } counters [ __readonly__ <vni> <tx_ucastpkts> <tx_ucastbytes> <tx_mcastpkts>
<tx_mcastbytes> <rx_ucastpkts> <rx_ucastbytes> <rx_mcastpkts> <rx_mcastbytes> ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
all	Show counters for all vnis
counters	Counters
<i>__readonly__</i>	(Optional)
<i>vni</i>	(Optional)
<i>tx_ucastpkts</i>	(Optional)
<i>tx_ucastbytes</i>	(Optional)
<i>tx_mcastpkts</i>	(Optional)
<i>tx_mcastbytes</i>	(Optional)
<i>rx_ucastpkts</i>	(Optional)
<i>rx_ucastbytes</i>	(Optional)
<i>rx_mcastpkts</i>	(Optional)
<i>rx_mcastbytes</i>	(Optional)

Command Mode

- /exec

show nve vni ingress-replication

```
show nve vni ingress-replication [ { interface <nve-if> | <vni-id> } ] [ __readonly__ [
TABLE_nve_vni_ingr_repl <if-name> <vni> [ { { <repl-ip> | <repl-ipv6> } <source> <up-time> } ] + ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
ingress-replication	ingress-replication
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
<i>__readonly__</i>	(Optional)
TABLE_nve_vni_ingr_repl	(Optional) vni ingress repl schema
<i>if-name</i>	(Optional) if-name
<i>vni</i>	(Optional) vni
<i>repl-ip</i>	(Optional) Replication List
<i>source</i>	(Optional) Source
<i>up-time</i>	(Optional) Up Time

Command Mode

- /exec

show nve vni peer-vtep

```
show nve vni peer-vtep [ { interface <nve-if> | <vni-id> } ] [ __readonly__ [ TABLE_nve_vni_peer_vtep
<if-name> <vni> [ { <vtep-ip> <source> <up-time> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
peer-vtep	Show static peer-vtep configured per vni
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
<i>__readonly__</i>	(Optional)
TABLE_nve_vni_peer_vtep	(Optional) vni peer vtep schema
<i>if-name</i>	(Optional) if-name
<i>vni</i>	(Optional) vni
<i>vtep-ip</i>	(Optional) VTEP List
<i>source</i>	(Optional) Source
<i>up-time</i>	(Optional) Up Time

Command Mode

- /exec

show nve vrf

```
show nve vrf [ vrf-name ] [ __readonly__ [ TABLE_nve_vrf <vrf-name> <vni> <if-name> <gateway-mac>
[ { <ipv4-tblid> <ipv6-tblid> <vni-sw-bd> <flags> } ] ] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vrf	VRF name
<i>vrf-name</i>	(Optional) vrf name
<i>__readonly__</i>	(Optional)
TABLE_nve_vrf	(Optional) vrf schema
<i>vrf-name</i>	(Optional) vrf-name
<i>vni</i>	(Optional) vni
<i>if-name</i>	(Optional) if-name
<i>gateway-mac</i>	(Optional) gateway-mac
<i>ipv4-tblid</i>	(Optional) ipv4-table-id
<i>ipv6-tblid</i>	(Optional) ipv6-table-id
<i>vni-sw-bd</i>	(Optional) vni-sw-bd
<i>flags</i>	(Optional) flags

Command Mode

- /exec

show nve vxlan-params

```
show nve vxlan-params [ __readonly__ <vxlan-port> ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vxlan-params	VxLAN Parameters
__readonly__	(Optional)
<i>vxlan-port</i>	(Optional) vxlan-params

Command Mode

- /exec

show nxapi-server logs

show nxapi-server logs

Syntax Description

show	Show running system information
nxapi-server	Show NX-API Server
logs	Show NX-API Server logs

Command Mode

- /exec

show nxapi

```
show nxapi [ __readonly__ <nxapi_status> <timeout> <cmdtimeout> [ <trustpoint> ] [ configuration_error
<c_error> ] [ <http_port> ] [ <https_port> <ssl_issuer> <ssl_enddate> ] ]
```

Syntax Description

show	Show running system information
nxapi	Show nxapi status
__readonly__	(Optional)
<i>nxapi_status</i>	(Optional) NX-API enabled status
<i>timeout</i>	(Optional) Time in minutes until session expires
<i>cmdtimeout</i>	(Optional) Time in seconds until command times out
<i>trustpoint</i>	(Optional) Trustpoint label name
configuration_error	(Optional) config syntax error
<i>c_error</i>	(Optional) config syntax error
<i>http_port</i>	(Optional) Configured HTTP port
<i>https_port</i>	(Optional) Configured HTTPS port
<i>ssl_issuer</i>	(Optional) Issuer information for current certificate
<i>ssl_enddate</i>	(Optional) Expiration date of current certificate

Command Mode

- /exec



0 Show Commands

- [show object-group](#), on page 2345
- [show openflow hardware capabilities](#), on page 2346
- [show openflow switch](#), on page 2347
- [show openflow switch flows](#), on page 2348
- [show ospfv3](#), on page 2349
- [show ospfv3 border-routers](#), on page 2354
- [show ospfv3 database](#), on page 2356
- [show ospfv3 database database-summary](#), on page 2359
- [show ospfv3 database detail](#), on page 2361
- [show ospfv3 interface](#), on page 2366
- [show ospfv3 interface brief](#), on page 2369
- [show ospfv3 neighbors](#), on page 2371
- [show ospfv3 neighbors detail](#), on page 2373
- [show ospfv3 neighbors summary](#), on page 2376
- [show ospfv3 request-list](#), on page 2378
- [show ospfv3 retransmission-list](#), on page 2380
- [show ospfv3 route](#), on page 2382
- [show ospfv3 route summary](#), on page 2384
- [show ospfv3 statistics](#), on page 2386
- [show ospfv3 summary-address](#), on page 2390
- [show ospfv3 traffic](#), on page 2391
- [show ospfv3 virtual-links](#), on page 2395
- [show ospfv3 virtual-links brief](#), on page 2399
- [show otv isis](#), on page 2400
- [show otv isis active-source](#), on page 2403
- [show otv isis adjacency](#), on page 2405
- [show otv isis aed-svr-req local](#), on page 2407
- [show otv isis database](#), on page 2409
- [show otv isis ed-summary local](#), on page 2414
- [show otv isis ed-summary remote](#), on page 2415
- [show otv isis fast-flood](#), on page 2417
- [show otv isis hostname](#), on page 2418
- [show otv isis interface](#), on page 2419

- [show otv isis ip mroute](#), on page 2424
- [show otv isis ip redistribute mroute](#), on page 2426
- [show otv isis redistribute route](#), on page 2428
- [show otv isis route-map statistics](#), on page 2429
- [show otv isis route](#), on page 2430
- [show otv isis rrm](#), on page 2433
- [show otv isis site-index](#), on page 2435
- [show otv isis site](#), on page 2436
- [show otv isis spf-log](#), on page 2439
- [show otv isis srm](#), on page 2441
- [show otv isis ssn](#), on page 2443
- [show otv isis statistics](#), on page 2445
- [show otv isis track-adjacency-nexthop](#), on page 2446
- [show otv isis traffic](#), on page 2447
- [show otv isis vlan-status local](#), on page 2449

show object-group

```
show object-group [ <name> ] [ __readonly__ TABLE_ogroup <group_type> <group_name> [ TABLE_seqno
<seqno> { <_port_op> <port0_num> | <_port_range> <port1_num> <port2_num> | <hostaddr> | <net_ip> |
<mask_ip_addr> <mask_ip_mask> | <hostip6> | <net_ipv6> | <mask_ipv6_addr> <mask_ipv6_mask> } ]
]
```

Syntax Description

show	Show running system information
object-group	Show configured ACL object groups
<i>name</i>	(Optional) object-group name
<i>__readonly__</i>	(Optional)
<i>group_type</i>	(Optional) Object group type
<i>group_name</i>	(Optional) Object group name
<i>seqno</i>	(Optional) Sequence number
TABLE_ogroup	(Optional)
TABLE_seqno	(Optional)
<i>_port_op</i>	(Optional) Port operator
<i>_port_range</i>	(Optional) Port range
<i>port0_num</i>	(Optional) Port number
<i>port1_num</i>	(Optional) Port number
<i>port2_num</i>	(Optional) Port number
<i>net_ip</i>	(Optional) A.B.C.D Network address of object-group member
<i>hostaddr</i>	(Optional) A.B.C.D Host address
<i>mask_ip_addr</i>	(Optional) A.B.C.D IP address
<i>mask_ip_mask</i>	(Optional) A.B.C.D IP address mask

Command Mode

- /exec

show openflow hardware capabilities

show openflow hardware capabilities [pipeline <pipeline-id>]

Syntax Description

show	Show running system information
openflow	Show OpenFlow information
hardware	Hardware
capabilities	Capabilities
pipeline	(Optional) Pipeline id
<i>pipeline-id</i>	(Optional) Pipeline id

Command Mode

- /exec

show openflow switch

```
show openflow switch <switch-id> [ { controllers [ stats | { role { master | slave | equal } } ] | ports } ] [
__readonly__ <cli_output> <ctrlv4> <ctrlport> ]
```

Syntax Description

show	Show running system information
openflow	Show OpenFlow information
switch	Logical switch id
<i>switch-id</i>	Logical switch-id to enter
controllers	(Optional) Controllers
stats	(Optional) Stats
ports	(Optional) Ports
role	(Optional) Controller role
master	(Optional) Master
slave	(Optional) Slave
equal	(Optional) Equal
__readonly__	(Optional)
<i>cli_output</i>	(Optional)
<i>ctrlv4</i>	(Optional)
<i>ctrlport</i>	(Optional)

Command Mode

- /exec

show openflow switch flows

```
show openflow switch <switch-id> flows [ [ table-id <table-id> ] [ [ pending | pending-del | controller |
configured | default | fixed ] [ brief | list | summary ] ] | stats | compare statistics { snapshot | report [ brief |
list ] } ]
```

Syntax Description

show	Show running system information
openflow	Show OpenFlow information
switch	Logical switch id
<i>switch-id</i>	Logical switch-id to enter
flows	Flows
brief	(Optional) Brief
summary	(Optional) Summary
pending	(Optional) Pending
pending-del	(Optional) Pending delete
controller	(Optional) Controller
configured	(Optional) Configured
default	(Optional) Default
fixed	(Optional) Fixed
stats	(Optional) Stats
compare	(Optional) Compare Flow Statistics
statistics	(Optional) Flow Statistics
snapshot	(Optional) Create a reference point to compare flow stats counters
report	(Optional) Dump difference of flow stats counters from snapshot
table-id	(Optional) Table-id for the pipeline
list	(Optional) List
<i>table-id</i>	(Optional) Table ID

Command Mode

- /exec

<i>rid</i>	(Optional)
<i>stateful_ha</i>	(Optional)
<i>gr_ha</i>	(Optional)
<i>gr_planned_only</i>	(Optional)
<i>gr_grace_period</i>	(Optional)
<i>gr_state</i>	(Optional)
<i>gr_last_status</i>	(Optional)
<i>gr_helper_mode</i>	(Optional)
<i>support_tos0_only</i>	(Optional)
<i>support_opaque_lsa</i>	(Optional)
<i>low_mem_cond</i>	(Optional)
<i>is_abr</i>	(Optional)
<i>is_asbr</i>	(Optional)
<i>max_lsa_non_self_number</i>	(Optional)
<i>max_lsa_state</i>	(Optional)
<i>max_lsa_warning_only</i>	(Optional)
<i>max_lsa_current_non_self_lsa_number</i>	(Optional)
<i>max_lsa_threshold_pct</i>	(Optional)
<i>max_lsa_ignore_time</i>	(Optional)
<i>max_lsa_reset_time</i>	(Optional)
<i>max_lsa_ignore_count</i>	(Optional)
<i>max_lsa_current_ignore_count</i>	(Optional)
<i>max_lsa_ignore_time_left</i>	(Optional)
<i>max_lsa_reset_time_left</i>	(Optional)
<i>max_lsa_permanent_ignore</i>	(Optional)
<i>ipsec_sa_type</i>	(Optional) IPsec SA Type
<i>ipsec_sa_algorithm</i>	(Optional) IPsec SA Algorithm name
<i>ipsec_sa_spi</i>	(Optional) IPsec SA SPI Value
<i>ipsec_esp_sa_type</i>	(Optional) IPsec ESP SA Type

<i>ipsec_esp_sa_encr_algorithm</i>	(Optional) IPsec ESP SA ENCR Algorithm name
<i>ipsec_esp_sa_auth_algorithm</i>	(Optional) IPsec ESP SA AUTH Algorithm name
<i>ipsec_esp_sa_spi</i>	(Optional) IPsec ESP SA SPI Value
TABLE_redist	(Optional)
<i>proto</i>	(Optional)
<i>max_lsas</i>	(Optional)
<i>warning</i>	(Optional)
<i>threshold</i>	(Optional)
<i>current_count</i>	(Optional)
<i>admin_dist</i>	(Optional)
<i>ref_bw</i>	(Optional)
<i>spf_start_time</i>	(Optional)
<i>spf_hold_time</i>	(Optional)
<i>spf_max_time</i>	(Optional)
<i>lsa_start_time</i>	(Optional)
<i>lsa_hold_time</i>	(Optional)
<i>lsa_max_time</i>	(Optional)
<i>min_lsa_arr_time</i>	(Optional)
<i>lsa_aging_pace</i>	(Optional)
<i>spf_max_paths</i>	(Optional)
<i>max_metric_adver</i>	(Optional)
<i>max_metric_time_left</i>	(Optional)
<i>max_metric_wait_bgp</i>	(Optional)
<i>max_metric_timeout</i>	(Optional)
<i>max_metric_always</i>	(Optional)
<i>max_metric_sum_lsa</i>	(Optional)
<i>max_metric_ext_lsa</i>	(Optional)
<i>asext_lsa_cnt</i>	(Optional)
<i>asext_lsa_crc</i>	(Optional)

<i>area_total</i>	(Optional)
<i>area_normal</i>	(Optional)
<i>area_stub</i>	(Optional)
<i>area_nssa</i>	(Optional)
<i>act_area_total</i>	(Optional)
<i>act_area_normal</i>	(Optional)
<i>act_area_stub</i>	(Optional)
<i>act_area_nssa</i>	(Optional)
<i>name_lookup</i>	(Optional)
<i>no_discard_rt_ext</i>	(Optional)
<i>no_discard_rt_int</i>	(Optional)
<i>passive_dflt</i>	(Optional)
<i>bfd_enabled</i>	(Optional)
TABLE_area	(Optional)
<i>aname</i>	(Optional)
<i>backbone_active</i>	(Optional)
<i>active</i>	(Optional)
<i>age</i>	(Optional)
<i>total_intf</i>	(Optional)
<i>act_intf</i>	(Optional)
<i>passive_intf</i>	(Optional)
<i>loopback_intf</i>	(Optional)
<i>gr_nbr_cnt</i>	(Optional)
<i>stub</i>	(Optional)
<i>stub_def_cost</i>	(Optional)
<i>nssa</i>	(Optional)
<i>no_redist</i>	(Optional)
<i>nssa_trans</i>	(Optional)
<i>no_summary</i>	(Optional)

<i>spf_runs</i>	(Optional)
<i>last_spf_run_time</i>	(Optional)
<i>ipsec_sa_type</i>	(Optional) IPsec SA Type
<i>ipsec_sa_algorithm</i>	(Optional) IPsec SA Algorithm name
<i>ipsec_sa_spi</i>	(Optional) IPsec SA SPI Value
<i>ipsec_esp_sa_type</i>	(Optional) IPsec ESP SA Type
<i>ipsec_esp_sa_encr_algorithm</i>	(Optional) IPsec ESP SA ENCR Algorithm name
<i>ipsec_esp_sa_auth_algorithm</i>	(Optional) IPsec ESP SA AUTH Algorithm name
<i>ipsec_esp_sa_spi</i>	(Optional) IPsec ESP SA SPI Value
TABLE_range	(Optional)
<i>masklen</i>	(Optional)
<i>state</i>	(Optional)
<i>nets</i>	(Optional)
<i>advertise</i>	(Optional)
<i>cost</i>	(Optional)
<i>filter_in</i>	(Optional)
<i>filter_out</i>	(Optional)
<i>lsa_cnt</i>	(Optional)
<i>lsa_crc</i>	(Optional)
<i>num_new_lsa_tx</i>	(Optional)
<i>num_new_lsa_rx</i>	(Optional)

Command Mode

- /exec

show ospfv3 border-routers

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] border-routers [ all_routes ] [
vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> [ TABLE_br
<type> <addr> <cost> <asbr> <abr> <area> <spf_inst> [ <vlink_unresolved> ] [ TABLE_br_ubest_nh [
<ubest_nh_addr> ] [ <ubest_nh_intf> ] ] [ TABLE_br_mbest_nh [ <mbest_nh_addr> ] [ <mbest_nh_intf> ]
] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
border-routers	Border routers
all_routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_br	(Optional)
type	(Optional)
addr	(Optional)
cost	(Optional)
asbr	(Optional)
abr	(Optional)
area	(Optional)
spf_inst	(Optional)
vlink_unresolved	(Optional)

TABLE_br_ubest_nh	(Optional)
<i>ubest_nh_intf</i>	(Optional)
TABLE_br_mbest_nh	(Optional)
<i>mbest_nh_intf</i>	(Optional)

Command Mode

- /exec

show ospfv3 database

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ [ [ router | network
| intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [ [ { link | link-unknown |
grace } [ <interface> ] ] ] ] [ area <area-id-ip> ] ] | external [ tag <tag_val> ] ] as-unknown [ <lsid> ] [
self-originated | adv-router <adv-id> | adv-router-name <adv-name> ] ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] [ __readonly__ TABLE_ctx <rid> <ptag> <cname> [ TABLE_db3_lsa [ <name> ] [ <area> ] [ <id>
] [ <advrtr> ] [ <age> ] [ <seqno> ] [ <corrupt> ] [ <rtr_num_links> ] [ <net_num_rtr> ] [ <prefix> ] [
<inter_rid> ] [ <link_if> ] [ <intra_ref_type> ] [ <intra_ref_lsid> ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
router	(Optional) Display router LSAs
network	(Optional) Display network LSAs
inter-area	(Optional) Display inter-area LSAs
iprefix	(Optional) Display Inter-Area-Prefix LSAs
irouter	(Optional) Display Inter-Area-Router LSAs
nssa-external	(Optional) Display NSSA-external LSAs
area-unknown	(Optional) Display area-scope unknown LSAs
external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs
interface	(Optional) OSPF enabled interface

<i>intra-area-prefix</i>	(Optional) Display Intra-Area-Prefix LSAs
<i>self-originated</i>	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
<i>adv-router</i>	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
<i>adv-router-name</i>	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
<i>area</i>	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
<i>tag</i>	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
<i>__readonly__</i>	(Optional)
<i>TABLE_ctx</i>	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>TABLE_db3_lsa</i>	(Optional)
<i>name</i>	(Optional)
<i>area</i>	(Optional)
<i>id</i>	(Optional)
<i>advrtr</i>	(Optional)
<i>age</i>	(Optional)
<i>seqno</i>	(Optional)
<i>corrupt</i>	(Optional)
<i>rtr_num_links</i>	(Optional)
<i>net_num_rtr</i>	(Optional)
<i>inter_rid</i>	(Optional)
<i>link_if</i>	(Optional)
<i>intra_ref_type</i>	(Optional)

<i>intra_ref_lsid</i>	(Optional)
-----------------------	------------

Command Mode

- /exec

show ospfv3 database database-summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database database-summary
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <rid> <ptag> <cname> [
TABLE_dbsum [ TABLE_dbsum_area <area> [ TABLE_dbsum_area_lsa <area_lsa_name> <area_lsa_count>
] <area_lsa_total> ] [ TABLE_dbsum_all [ TABLE_dbsum_lsa_all <lsa_name> <lsa_count> ]
<non_self_lsa_total> <lsa_total> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
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
database	Link-state Database Summary
database-summary	Summary of database
<u>__readonly__</u>	(Optional)
TABLE_ctx	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_dbsum	(Optional)
TABLE_dbsum_area	(Optional)
<i>area</i>	(Optional)
TABLE_dbsum_area_lsa	(Optional)
<i>area_lsa_name</i>	(Optional)
<i>area_lsa_count</i>	(Optional)
<i>area_lsa_total</i>	(Optional)
TABLE_dbsum_all	(Optional)

TABLE_dbsum_lsa_all	(Optional)
<i>lsa_name</i>	(Optional)
<i>lsa_count</i>	(Optional)
<i>non_self_lsa_total</i>	(Optional)
<i>lsa_total</i>	(Optional)

Command Mode

- /exec

show ospfv3 database detail

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ [ router | network
| intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [ { link | link-unknown |
grace } [ <interface> ] ] ] [ area <area-id-ip> ] | external [ tag <tag_val> ] | as-unknown [ <lsid> ] [
self-originated | adv-router <advld> | adv-router-name <adv-name> ] detail [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <rid> <ptag> <cname> [ TABLE_db3_lsa [ <name>
] [ <area> ] [ TABLE_lsdb <age> <maxage> <wrapping> <dummy> <flush_pending> <type> [ <intf> ] <id>
<advtr> <seqno> <cksum> <len> [ <corrupt> ] [ <rtr_abr> ] [ <rtr_asbr> ] [ <rtr_translate> ] [ <rtr_vlink_end>
] [ <rtr_options> ] [ <rtr_num_links> ] [ TABLE_rlsa [ <rtr_link_type> ] [ <rtr_link_metric> ] [ <rtr_link_ifid>
] [ <rtr_link_nbr_ifid> ] [ <rtr_link_nbr_rid> ] ] [ <net_options> ] [ TABLE_nlsa [ <net_rtr> ] ] [ <ia_prefix>
] [ <ia_prefix_options> ] [ <ia_prefix_metric> ] [ <ia_rtr_options> ] [ <ia_rtr_metric> ] [ <ia_rtr_rid> ] [
<asext_prefix> ] [ <asext_options> ] [ <asext_metric_type2> ] [ <asext_metric> ] [ <asext_fwd_addr> ] [
<asext_tag> ] [ <asext_ref_lstype> ] [ <asext_ref_lsid> ] [ <link_priority> ] [ <link_options> ] [ <link_laddr>
] [ <link_num_prefix> ] [ TABLE_linklsa [ <link_prefix> ] [ <link_prefix_options> ] ] [ <intra_num_prefix>
] [ <intra_ref_lstype> ] [ <intra_ref_lsid> ] [ <intra_ref_advtr> ] [ TABLE_iaplsa [ <intra_prefix> ] [
<intra_prefix_options> ] [ <intra_prefix_metric> ] [ <corrupted_length> ] ] [ <tlv_type> ] [ <tlv_len> ] [
<tlv_data> ] [ <tlv_unknown> ] [ <gr_interval> ] [ <gr_reason> ] [ <unknown> ] [ <data_len> ] [ <data> ] ]
] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
router	(Optional) Display router LSAs
network	(Optional) Display network LSAs
inter-area	(Optional) Display inter-area LSAs
iprefix	(Optional) Display Inter-Area-Prefix LSAs
irouter	(Optional) Display Inter-Area-Router LSAs
nssa-external	(Optional) Display NSSA-external LSAs
area-unknown	(Optional) Display area-scope unknown LSAs

external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs
<i>interface</i>	(Optional) OSPF enabled interface
intra-area-prefix	(Optional) Display Intra-Area-Prefix LSAs
self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
tag	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
detail	Display LSA in detail
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>rid</i>	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_db3_lsa	(Optional)
<i>name</i>	(Optional)
<i>area</i>	(Optional)
TABLE_lsdb	(Optional)
<i>age</i>	(Optional)
<i>maxage</i>	(Optional)

<i>wrapping</i>	(Optional)
<i>dummy</i>	(Optional)
<i>flush_pending</i>	(Optional)
<i>type</i>	(Optional)
<i>intf</i>	(Optional)
<i>id</i>	(Optional)
<i>advrtr</i>	(Optional)
<i>seqno</i>	(Optional)
<i>cksum</i>	(Optional)
<i>len</i>	(Optional)
<i>corrupt</i>	(Optional)
<i>rtr_abr</i>	(Optional)
<i>rtr_asbr</i>	(Optional)
<i>rtr_translate</i>	(Optional)
<i>rtr_vlink_end</i>	(Optional)
<i>rtr_options</i>	(Optional)
<i>rtr_num_links</i>	(Optional)
TABLE_rlsa	(Optional)
<i>rtr_link_type</i>	(Optional)
<i>rtr_link_metric</i>	(Optional)
<i>rtr_link_ifid</i>	(Optional)
<i>rtr_link_nbr_ifid</i>	(Optional)
<i>rtr_link_nbr_rid</i>	(Optional)
<i>net_options</i>	(Optional)
TABLE_nlsa	(Optional)
<i>net_rtr</i>	(Optional)
<i>ia_prefix_options</i>	(Optional)
<i>ia_prefix_metric</i>	(Optional)
<i>ia_rtr_options</i>	(Optional)

<i>ia_rtr_metric</i>	(Optional)
<i>ia_rtr_rid</i>	(Optional)
<i>asext_options</i>	(Optional)
<i>asext_metric_type2</i>	(Optional)
<i>asext_metric</i>	(Optional)
<i>asext_tag</i>	(Optional)
<i>asext_ref_lstype</i>	(Optional)
<i>asext_ref_lsid</i>	(Optional)
<i>link_priority</i>	(Optional)
<i>link_options</i>	(Optional)
<i>link_num_prefix</i>	(Optional)
TABLE_linklsa	(Optional)
<i>link_prefix_options</i>	(Optional)
<i>intra_num_prefix</i>	(Optional)
<i>intra_ref_lstype</i>	(Optional)
<i>intra_ref_lsid</i>	(Optional)
<i>intra_ref_advrtr</i>	(Optional)
TABLE_iaplsa	(Optional)
<i>intra_prefix_options</i>	(Optional)
<i>intra_prefix_metric</i>	(Optional)
<i>corrupted_length</i>	(Optional)
<i>tlv_type</i>	(Optional)
<i>tlv_len</i>	(Optional)
<i>tlv_data</i>	(Optional)
<i>tlv_unknown</i>	(Optional)
<i>gr_interval</i>	(Optional)
<i>gr_reason</i>	(Optional)
<i>unknown</i>	(Optional)
<i>data_len</i>	(Optional)

<i>data</i>	(Optional)
-------------	------------

Command Mode

- /exec

show ospfv3 interface

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface [ <interface> | vrf {
<vrf-name> | <vrf-known-name> | all } ] [ private ] [ __readonly__ TABLE_ctx <ptag> <cname> [ TABLE_intf
<ifname> <admin_status> <proto_status> <addr> [ <masklen> ] [ <inst_id> ] <area> [ <if_cfg> ] <state_str>
<type_str> <cost> [ <ipsec_sa_type> ] [ <ipsec_sa_algorithm> ] [ <ipsec_sa_spi> ] [ <ipsec_esp_sa_type> ]
[ <ipsec_esp_sa_encr_algorithm> ] [ <ipsec_esp_sa_auth_algorithm> ] [ <ipsec_esp_sa_spi> ] [ <bfd_enabled>
] <index> [ <passive> ] [ <mpls> ] [ <transmit_delay> ] [ <if_priority> ] [ <dr_rid> ] [ <dr_addr> ] [ <bdr_rid>
] [ <bdr_addr> ] [ <nbr_total> ] [ <nbr_flood> ] [ <nbr_adj> ] [ <gr_nbr> ] [ <hello_interval> ] [
<dead_interval> ] [ <wait_interval> ] [ <rxmt_interval> ] [ <hello_timer> ] [ <wait_timer> ] [ <lsu_timer> ]
[ <lsack_timer> ] [ <link_lsa_cnt> ] [ <link_lsa_crc> ] [ <multi_area_cnt> ] [ <multi_area_adj> ] [
<state_chg_cnt> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
interface	(Optional) OSPF enabled interface
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
admin_status	(Optional)
proto_status	(Optional)
masklen	(Optional)

<i>inst_id</i>	(Optional)
<i>area</i>	(Optional)
<i>if_cfg</i>	(Optional)
<i>state_str</i>	(Optional)
<i>type_str</i>	(Optional)
<i>cost</i>	(Optional)
<i>ipsec_sa_type</i>	(Optional) IPsec SA Type
<i>ipsec_sa_algorithm</i>	(Optional) IPsec SA Algorithm name
<i>ipsec_sa_spi</i>	(Optional) IPsec SA SPI Value
<i>ipsec_esp_sa_type</i>	(Optional) IPsec ESP SA Type
<i>ipsec_esp_sa_encr_algorithm</i>	(Optional) IPsec ESP SA ENCR Algorithm name
<i>ipsec_esp_sa_auth_algorithm</i>	(Optional) IPsec ESP SA AUTH Algorithm name
<i>ipsec_esp_sa_spi</i>	(Optional) IPsec ESP SA SPI Value
<i>bfd_enabled</i>	(Optional)
<i>index</i>	(Optional)
<i>passive</i>	(Optional)
<i>mpls</i>	(Optional)
<i>transmit_delay</i>	(Optional)
<i>if_priority</i>	(Optional)
<i>dr_rid</i>	(Optional)
<i>bdr_rid</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>nbr_flood</i>	(Optional)
<i>nbr_adj</i>	(Optional)
<i>gr_nbr</i>	(Optional)
<i>hello_interval</i>	(Optional)
<i>dead_interval</i>	(Optional)
<i>wait_interval</i>	(Optional)
<i>rxmt_interval</i>	(Optional)

<i>hello_timer</i>	(Optional)
<i>wait_timer</i>	(Optional)
<i>lsu_timer</i>	(Optional)
<i>lsack_timer</i>	(Optional)
<i>link_lsa_cnt</i>	(Optional)
<i>link_lsa_crc</i>	(Optional)
<i>multi_area_cnt</i>	(Optional)
<i>multi_area_adj</i>	(Optional)
<i>state_chg_cnt</i>	(Optional)

Command Mode

- /exec

show ospfv3 interface brief

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface brief [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> <intf_count> TABLE_intf <ifname> <index> <area> <cost> <state_str> <nbr_total> <admin_status> ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
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
interface	OSPF enabled interface
brief	Display summary of OSPFv3 interfaces
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>intf_count</i>	(Optional)
TABLE_intf	(Optional)
<i>ifname</i>	(Optional)
<i>index</i>	(Optional)
<i>area</i>	(Optional)
<i>cost</i>	(Optional)
<i>state_str</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>admin_status</i>	(Optional)

Command Mode

- /exec

show ospfv3 neighbors

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ { { <interface> [
<neighbor> | <neighbor-name> } ] } | { [ <neighbor> | <neighbor-name> ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] } ] [ __readonly__ TABLE_ctx <ptag> <cname> <nbrcount> [ TABLE_nbr <rid> <priority> <state>
<drstate> <uptime> <ifid> <intf> [ <multiarea> ] <addr> ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
neighbor	(Optional) Router ID of neighbor
neighbor-name	(Optional) DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
nbrcount	(Optional)
TABLE_nbr	(Optional)
rid	(Optional)
priority	(Optional)
state	(Optional)
drstate	(Optional)
uptime	(Optional)

<i>ifid</i>	(Optional)
<i>intf</i>	(Optional)
<i>multiarea</i>	(Optional)

Command Mode

- /exec

show ospfv3 neighbors detail

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ <interface> ] [
<neighbor> ] detail [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ private ] [ __readonly__ TABLE_ctx
<ptag> <cname> [ TABLE_nbr <rid> <addr> <area> <intf> <state> <transition> <lastchange> [ <bfd_state>
] [ <priority> ] [ <ifid> ] [ <dr> ] [ <bdr> ] [ <master> ] [ <seqno> ] [ <dbdallsentacked> ] [ <dbdallsent> ] [
<dbdallacked> ] [ <lsaonreqlist> ] [ <lsafromlastreq> ] [ <lsreqrxmts> ] <hellooptions> <dbdoptions>
<lastnonhello> [ <deadtimer> ] [ <pacingtimer> ] [ <dbdrxmtimer> ] [ <reqrxmtimer> ] [ <lsutimer> ] [
<rerxmtimer> ] [ <fastrerxmtimer> ] [ <lsacktimer> ] [ <grtimer> ] [ <helpermode> ] [ <helpercand> ] [
<helperterm> ] [ <senddbd> ] [ <sendlsreq> ] [ <sendlsu> ] [ <sendlsurxmt> ] [ <sendlsack> ] [
<sendlsreqreply> ] [ <sradsjid> ] [ <sradjflags> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
neighbor	(Optional) Router ID of neighbor
detail	Show detailed neighbor display
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_nbr	(Optional)
rid	(Optional)
area	(Optional)

<i>intf</i>	(Optional)
<i>state</i>	(Optional)
<i>transition</i>	(Optional)
<i>lastchange</i>	(Optional)
<i>bfd_state</i>	(Optional)
<i>priority</i>	(Optional)
<i>ifid</i>	(Optional)
<i>dr</i>	(Optional)
<i>bdr</i>	(Optional)
<i>master</i>	(Optional)
<i>seqno</i>	(Optional)
<i>dbdallsentacked</i>	(Optional)
<i>dbdallsent</i>	(Optional)
<i>dbdallacked</i>	(Optional)
<i>lsaonreqlist</i>	(Optional)
<i>lsafromlastreq</i>	(Optional)
<i>lsreqrxmts</i>	(Optional)
<i>helloptions</i>	(Optional)
<i>dbdoptions</i>	(Optional)
<i>lastnonhello</i>	(Optional)
<i>deadtimer</i>	(Optional)
<i>pacingt看ner</i>	(Optional)
<i>dbdrxmtimer</i>	(Optional)
<i>reqrxmtimer</i>	(Optional)
<i>lsutimer</i>	(Optional)
<i>rerxmtimer</i>	(Optional)
<i>fastrerxmtimer</i>	(Optional)
<i>lsacktimer</i>	(Optional)
<i>grtimer</i>	(Optional)

<i>helpermode</i>	(Optional)
<i>helpercand</i>	(Optional)
<i>helperterm</i>	(Optional)
<i>senddbd</i>	(Optional)
<i>sendsreq</i>	(Optional)
<i>sendsu</i>	(Optional)
<i>sendsurxmt</i>	(Optional)
<i>sendsack</i>	(Optional)
<i>sendsreqreply</i>	(Optional)
<i>sradjsid</i>	(Optional)
<i>sradjflags</i>	(Optional)

Command Mode

- /exec

show ospfv3 neighbors summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ <interface> ]
summary [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname>
TABLE_intf { <ifname> | <total> } <down> <attempt> <init> <twoway> <exstart> <exchange> <loading>
<full> <if_total> ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
summary	Summary of neighbors
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_intf	(Optional)
<i>ifname</i>	(Optional)
<i>total</i>	(Optional)
<i>down</i>	(Optional)
<i>attempt</i>	(Optional)
<i>init</i>	(Optional)
<i>twoway</i>	(Optional)
<i>exstart</i>	(Optional)

<i>exchange</i>	(Optional)
<i>loading</i>	(Optional)
<i>full</i>	(Optional)
<i>if_total</i>	(Optional)

Command Mode

- /exec

show ospfv3 request-list

```
show [ ipv6 ] ospfv3 [ <tag> ] request-list { <ip-addr> | <neighbor-name> } <interface> [ __readonly__ [ TABLE_ctx <ptag> <cname> [ TABLE_lsreq <nbr_rid> <intf> <nbr_addr> <total> [ TABLE_lsa [ <type> ] [ <lsid> ] [ <advtr> ] [ <seqno> ] [ <cksum> ] [ <age> ] ] ] ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
request-list	Link state request list
interface	OSPF enabled interface
ip-addr	Neighbor router ID
neighbor-name	DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_lsreq	(Optional)
nbr_rid	(Optional)
intf	(Optional)
total	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advtr	(Optional)
seqno	(Optional)
cksum	(Optional)
age	(Optional)

Command Mode

- /exec

show ospfv3 retransmission-list

```
show [ ipv6 ] ospfv3 [ <tag> ] retransmission-list { <routerid> | <router-name> } <interface> [ __readonly__
[ TABLE_ctx <ptag> <cname> [ TABLE_rxmit <nbr_rid> <intf> <nbr_addr> [ <timer_running> ] [
<timer_due> ] [ TABLE_lsa [ <type> ] [ <lsid> ] [ <advrtr> ] [ <seqno> ] [ <cksum> ] [ <age> ] ] ] ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
retransmission-list	Link state retransmission list
<i>routerid</i>	Neighbor router ID
<i>router-name</i>	DNS Name of the router
<i>interface</i>	OSPF enabled interface
__readonly__	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
TABLE_rxmit	(Optional)
<i>nbr_rid</i>	(Optional)
<i>intf</i>	(Optional)
<i>timer_running</i>	(Optional)
<i>timer_due</i>	(Optional)
TABLE_lsa	(Optional)
<i>type</i>	(Optional)
<i>lsid</i>	(Optional)
<i>advrtr</i>	(Optional)
<i>seqno</i>	(Optional)
<i>cksum</i>	(Optional)
<i>age</i>	(Optional)

Command Mode

- /exec

<i>direct</i>	(Optional)
<i>area</i>	(Optional)
<i>vlink_unresolved</i>	(Optional)
TABLE_route_ubest_nh	(Optional)
<i>ubest_nh_intf</i>	(Optional)
<i>ubest_cost</i>	(Optional)
<i>distance</i>	(Optional)
<i>ubest_nh_direct</i>	(Optional)
<i>ubest_nh_sham_link</i>	(Optional)
<i>ubest_nh_te_tun</i>	(Optional)
<i>ubest_nh_in_rib</i>	(Optional)
TABLE_route_mbest_nh	(Optional)
<i>mbest_nh_intf</i>	(Optional)
<i>mbest_cost</i>	(Optional)
<i>mbest_nh_direct</i>	(Optional)
<i>mbest_nh_in_rib</i>	(Optional)

Command Mode

- /exec

show ospfv3 route summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] route [ <ipv6-prefix> [
longer-prefixes ] ] summary [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx
<ptag> <cname> [ TABLE_route <total_routes> <total_paths> [ TABLE_route_type <path_type>
<path_routes> <path_paths> ] [ TABLE_route_masklen <masklen> <masklen_routes> <masklen_paths> ] ]
]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_route	(Optional)
total_routes	(Optional)
total_paths	(Optional)
TABLE_route_type	(Optional)
path_type	(Optional)
path_routes	(Optional)
path_paths	(Optional)
TABLE_route_masklen	(Optional)

<i>masklen</i>	(Optional)
<i>masklen_routes</i>	(Optional)
<i>masklen_paths</i>	(Optional)

Command Mode

- /exec

show ospfv3 statistics

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ _readonly_ TABLE_stats <ptag> <cname> <last_clear> <rid_change>
<dr_elections> <older_lsa_rcv> <nbr_state_change> <nbr_dead_postpone> <nbr_dead_expire>
<nbr_bad_lsreq> <nbr_seqno_mismatch> <spf_full> <spf_summary> <spf_external> <spf_extsummary>
<rtr_generate> <rtr_refresh> <rtr_flush> <rtr_other_flush> <net_generate> <net_refresh> <net_flush>
<net_other_flush> <inter_prefix_generate> <inter_prefix_refresh> <inter_prefix_flush>
<inter_prefix_other_flush> <inter_router_generate> <inter_router_refresh> <inter_router_flush>
<inter_router_other_flush> <asext_generate> <asext_refresh> <asext_flush> <asext_other_flush>
<link_generate> <link_refresh> <link_flush> <link_other_flush> <intra_prefix_generate>
<intra_prefix_refresh> <intra_prefix_flush> <intra_prefix_other_flush> <unknown_generate>
<unknown_refresh> <unknown_flush> <unknown_other_flush> <limbo_lsa_count> <limbo_lsa_hwm>
<limbo_lsa_deleted> <limbo_lsa_revived> <limbo_runs> <limbo_lsa_last_time_hwm> [ <limbo_timer> ]
<helloq_size> <helloq_max_size> <helloq_hwm> <helloq_drops> <helloq_last_hwm_time> <floodq_size>
<floodq_max_size> <floodq_hwm> <floodq_drops> <floodq_last_hwm_time> <lsdb_add_fail> [
TABLE_buffer_detail [ <buf_size> ] [ <buf_size_huge> ] <buf_in_use> <buf_hwm> <buf_perm> <buf_alloc>
<buf_free> ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Event counters
readonly	(Optional)
TABLE_stats	(Optional)
ptag	(Optional)
cname	(Optional)
last_clear	(Optional)
rid_change	(Optional)
dr_elections	(Optional)
older_lsa_rcv	(Optional)

<i>nbr_state_change</i>	(Optional)
<i>nbr_dead_postpone</i>	(Optional)
<i>nbr_dead_expire</i>	(Optional)
<i>nbr_bad_lsreq</i>	(Optional)
<i>nbr_seqno_mismatch</i>	(Optional)
<i>spf_full</i>	(Optional)
<i>spf_summary</i>	(Optional)
<i>spf_external</i>	(Optional)
<i>spf_extsummary</i>	(Optional)
<i>rtr_generate</i>	(Optional)
<i>rtr_refresh</i>	(Optional)
<i>rtr_flush</i>	(Optional)
<i>rtr_other_flush</i>	(Optional)
<i>net_generate</i>	(Optional)
<i>net_refresh</i>	(Optional)
<i>net_flush</i>	(Optional)
<i>net_other_flush</i>	(Optional)
<i>inter_prefix_generate</i>	(Optional)
<i>inter_prefix_refresh</i>	(Optional)
<i>inter_prefix_flush</i>	(Optional)
<i>inter_prefix_other_flush</i>	(Optional)
<i>inter_router_generate</i>	(Optional)
<i>inter_router_refresh</i>	(Optional)
<i>inter_router_flush</i>	(Optional)
<i>inter_router_other_flush</i>	(Optional)
<i>asext_generate</i>	(Optional)
<i>asext_refresh</i>	(Optional)
<i>asext_flush</i>	(Optional)
<i>asext_other_flush</i>	(Optional)

<i>link_generate</i>	(Optional)
<i>link_refresh</i>	(Optional)
<i>link_flush</i>	(Optional)
<i>link_other_flush</i>	(Optional)
<i>intra_prefix_generate</i>	(Optional)
<i>intra_prefix_refresh</i>	(Optional)
<i>intra_prefix_flush</i>	(Optional)
<i>intra_prefix_other_flush</i>	(Optional)
<i>unknown_generate</i>	(Optional)
<i>unknown_refresh</i>	(Optional)
<i>unknown_flush</i>	(Optional)
<i>unknown_other_flush</i>	(Optional)
<i>limbo_lsa_count</i>	(Optional)
<i>limbo_lsa_hwm</i>	(Optional)
<i>limbo_lsa_deleted</i>	(Optional)
<i>limbo_lsa_revived</i>	(Optional)
<i>limbo_runs</i>	(Optional)
<i>limbo_lsa_last_time_hwm</i>	(Optional)
<i>limbo_timer</i>	(Optional)
<i>helloq_size</i>	(Optional)
<i>helloq_max_size</i>	(Optional)
<i>helloq_hwm</i>	(Optional)
<i>helloq_drops</i>	(Optional)
<i>helloq_last_hwm_time</i>	(Optional)
<i>floodq_size</i>	(Optional)
<i>floodq_max_size</i>	(Optional)
<i>floodq_hwm</i>	(Optional)
<i>floodq_drops</i>	(Optional)
<i>floodq_last_hwm_time</i>	(Optional)

<i>lsdb_add_fail</i>	(Optional)
TABLE_buffer_detail	(Optional)
<i>buf_size</i>	(Optional)
<i>buf_size_huge</i>	(Optional)
<i>buf_in_use</i>	(Optional)
<i>buf_hwm</i>	(Optional)
<i>buf_perm</i>	(Optional)
<i>buf_alloc</i>	(Optional)
<i>buf_free</i>	(Optional)

Command Mode

- /exec

show ospfv3 summary-address

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] summary-address [ private ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_ctx <ptag> <cname> <rid> [
TABLE_sum <addr> <masklen> [ <metric> ] [ <tag> ] [ <pending> ] ] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
summary-address	Summary-address redistribution information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
tag	(Optional)
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
rid	(Optional)
TABLE_sum	(Optional)
masklen	(Optional)
metric	(Optional)
pending	(Optional)

Command Mode

- /exec

show ospfv3 traffic

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> [ detail ]
| [ detail ] | [ detail ] vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_traf <ptag>
<cname> <last_clear> [ <ifname> ] <pkt_in> <pkt_out> <lsu_first_trans> <lsu_retrans> <lsu_for_lsreq>
<lsu_nbr_trans> <throttle_out> <throttle_out_token> <throttle_out_ip> <lsa_ignored> <lsa_dropped_spf>
<lsa_dropped_gr> <pkt_drops_in> <pkt_drops_out> <pkt_errors_in> <pkt_errors_out> <hello_errors_in>
<dbds_errors_in> <lsreqs_errors_in> <lsus_errors_in> <lsacks_errors_in> <pkt_unknown_in>
<pkt_unknown_out> <pkt_no_ospf_intf> <bad_version> <bad_crc> <dup_rtr_id> <dup_src_addr>
<invalid_src_addr> <invalid_dst_addr> <non_existing_nbr> <pkt_passive_intf> <wrong_area>
<invalid_pkt_len> <nbr_changed_routerid_ipaddr> <nbr_changed_interfaceid> [ <bad_auth> ] [
<bad_reserved> ] [ <pkt_no_vrf> ] <hellos_in> <dbds_in> <lsreqs_in> <lsus_in> <lsacks_in> <hellos_out>
<dbds_out> <lsreqs_out> <lsus_out> <lsacks_out> [ <hellos_in_hq> <dbds_in_hq> <lsreqs_in_flq>
<lsus_in_flq> <lsacks_in_flq> <lsas_in_dbds_in> <lsas_in_lsreqs_in> <lsas_in_lsus_in> <lsas_in_lsacks_in>
<lsas_in_dbds_out> <lsas_in_lsreqs_out> <lsas_in_lsus_out> <lsas_in_lsacks_out> <lsas_in_rxmt_lsus_out>
]]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
<i>interface</i>	(Optional) OSPF enabled interface
detail	(Optional) Display detailed information
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
traffic	Packet counters
<i>__readonly__</i>	(Optional)
TABLE_traf	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>last_clear</i>	(Optional)
<i>ifname</i>	(Optional)
<i>pkt_in</i>	(Optional)

<i>pkt_out</i>	(Optional)
<i>lsu_first_trans</i>	(Optional)
<i>lsu_retrans</i>	(Optional)
<i>lsu_for_lsreq</i>	(Optional)
<i>lsu_nbr_trans</i>	(Optional)
<i>throttle_out</i>	(Optional)
<i>throttle_out_token</i>	(Optional)
<i>throttle_out_ip</i>	(Optional)
<i>lsa_ignored</i>	(Optional)
<i>lsa_dropped_spf</i>	(Optional)
<i>lsa_dropped_gr</i>	(Optional)
<i>pkt_drops_in</i>	(Optional)
<i>pkt_drops_out</i>	(Optional)
<i>pkt_errors_in</i>	(Optional)
<i>pkt_errors_out</i>	(Optional)
<i>hello_errors_in</i>	(Optional)
<i>dbds_errors_in</i>	(Optional)
<i>lsreqs_errors_in</i>	(Optional)
<i>lsus_errors_in</i>	(Optional)
<i>lsacks_errors_in</i>	(Optional)
<i>pkt_unknown_in</i>	(Optional)
<i>pkt_unknown_out</i>	(Optional)
<i>pkt_no_ospf_intf</i>	(Optional)
<i>bad_version</i>	(Optional)
<i>bad_crc</i>	(Optional)
<i>dup_rtr_id</i>	(Optional)
<i>dup_src_addr</i>	(Optional)
<i>invalid_src_addr</i>	(Optional)
<i>invalid_dst_addr</i>	(Optional)

<i>non_existing_nbr</i>	(Optional)
<i>pkt_passive_intf</i>	(Optional)
<i>wrong_area</i>	(Optional)
<i>invalid_pkt_len</i>	(Optional)
<i>nbr_changed_routerid_ipaddr</i>	(Optional)
<i>nbr_changed_interfaceid</i>	(Optional)
<i>bad_auth</i>	(Optional)
<i>bad_reserved</i>	(Optional)
<i>pkt_no_vrf</i>	(Optional)
<i>hellos_in</i>	(Optional)
<i>dbds_in</i>	(Optional)
<i>lsreqs_in</i>	(Optional)
<i>lsus_in</i>	(Optional)
<i>lsacks_in</i>	(Optional)
<i>hellos_out</i>	(Optional)
<i>dbds_out</i>	(Optional)
<i>lsreqs_out</i>	(Optional)
<i>lsus_out</i>	(Optional)
<i>lsacks_out</i>	(Optional)
<i>hellos_in_hq</i>	(Optional)
<i>dbds_in_hq</i>	(Optional)
<i>lsreqs_in_flq</i>	(Optional)
<i>lsus_in_flq</i>	(Optional)
<i>lsacks_in_flq</i>	(Optional)
<i>lsas_in_dbds_in</i>	(Optional)
<i>lsas_in_lsreqs_in</i>	(Optional)
<i>lsas_in_lsus_in</i>	(Optional)
<i>lsas_in_lsacks_in</i>	(Optional)
<i>lsas_in_dbds_out</i>	(Optional)

<i>lsas_in_lsreqs_out</i>	(Optional)
<i>lsas_in_lsus_out</i>	(Optional)
<i>lsas_in_lsacks_out</i>	(Optional)
<i>lsas_in_rxmt_lsus_out</i>	(Optional)

Command Mode

- /exec

show ospfv3 virtual-links

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] virtual-links [ vrf { <vrf-name>
| <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> [ TABLE_vlink <name> <nbr_rid>
<if_state> <transit_area> <nh_intf> <nbr_addr> [ <transit_area_stub> ] [ <transit_area_nssa> ] <addr> [
<masklen> ] <inst_id> <area> [ <if_cfg> ] <state_str> <type_str> <cost> [ <ipsec_sa_type> ] [
<ipsec_sa_algorithm> ] [ <ipsec_sa_spi> ] [ <ipsec_esp_sa_type> ] [ <ipsec_esp_sa_encr_algorithm> ] [
<ipsec_esp_sa_auth_algorithm> ] [ <ipsec_esp_sa_spi> ] <index> [ <passive> ] [ <mpls> ] [ <transmit_delay>
] [ <if_priority> ] [ <dr_rid> ] [ <dr_addr> ] [ <bdr_rid> ] [ <bdr_addr> ] [ <nbr_total> ] [ <nbr_flood> ] [
<nbr_adj> ] [ <gr_nbr> ] [ <hello_interval> ] [ <dead_interval> ] [ <wait_interval> ] [ <rxmt_interval> ] [
<hello_timer> ] [ <wait_timer> ] [ <pacing_timer> ] [ <lsu_timer> ] [ <lsack_timer> ] [ <netlsa_throt_timer>
] [ <link_lsa_cnt> ] [ <link_lsa_crc> ] [ <state> ] [ <transition> ] [ <lastchange> ] [ <priority> ] [ <ifid> ] [
<dr> ] [ <bdr> ] [ <master> ] [ <seqno> ] [ <dbdallsentacked> ] [ <dbdallsent> ] [ <dbdallacked> ] [
<lsaonreqlist> ] [ <lsafromlastreq> ] [ <lsreqrxmts> ] [ <hellooptions> ] [ <dbdoptions> ] [ <lastnonhello> ] [
<deadtimer> ] [ <pacingtimer> ] [ <dbdrxmtimer> ] [ <reqrxmtimer> ] [ <lsutimer> ] [ <rerxmtimer> ] [
<fastrerxmtimer> ] [ <lsacktimer> ] [ <grtimer> ] [ <helpermode> ] [ <helpercand> ] [ <helperterm> ] [
<sendlbd> ] [ <sendlsreq> ] [ <sendlsu> ] [ <sendlsurxmt> ] [ <sendlsack> ] [ <sendlsreqreply> ] ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_vlink	(Optional)
name	(Optional)
nbr_rid	(Optional)
if_state	(Optional)

<i>transit_area</i>	(Optional)
<i>nh_intf</i>	(Optional)
<i>transit_area_stub</i>	(Optional)
<i>transit_area_nssa</i>	(Optional)
<i>masklen</i>	(Optional)
<i>inst_id</i>	(Optional)
<i>area</i>	(Optional)
<i>if_cfg</i>	(Optional)
<i>state_str</i>	(Optional)
<i>type_str</i>	(Optional)
<i>cost</i>	(Optional)
<i>ipsec_sa_type</i>	(Optional) IPsec SA Type
<i>ipsec_sa_algorithm</i>	(Optional) IPsec SA Algorithm name
<i>ipsec_sa_spi</i>	(Optional) IPsec SA SPI Value
<i>ipsec_esp_sa_type</i>	(Optional) IPsec ESP SA Type
<i>ipsec_esp_sa_encr_algorithm</i>	(Optional) IPsec ESP SA ENCR Algorithm name
<i>ipsec_esp_sa_auth_algorithm</i>	(Optional) IPsec ESP SA AUTH Algorithm name
<i>ipsec_esp_sa_spi</i>	(Optional) IPsec ESP SA SPI Value
<i>index</i>	(Optional)
<i>passive</i>	(Optional)
<i>mpls</i>	(Optional)
<i>transmit_delay</i>	(Optional)
<i>if_priority</i>	(Optional)
<i>dr_rid</i>	(Optional)
<i>bdr_rid</i>	(Optional)
<i>nbr_total</i>	(Optional)
<i>nbr_flood</i>	(Optional)
<i>nbr_adj</i>	(Optional)
<i>gr_nbr</i>	(Optional)

<i>hello_interval</i>	(Optional)
<i>dead_interval</i>	(Optional)
<i>wait_interval</i>	(Optional)
<i>rxmt_interval</i>	(Optional)
<i>hello_timer</i>	(Optional)
<i>wait_timer</i>	(Optional)
<i>pacing_timer</i>	(Optional)
<i>lsu_timer</i>	(Optional)
<i>lsack_timer</i>	(Optional)
<i>netlsa_throt_timer</i>	(Optional)
<i>link_lsa_cnt</i>	(Optional)
<i>link_lsa_crc</i>	(Optional)
<i>state</i>	(Optional)
<i>transition</i>	(Optional)
<i>lastchange</i>	(Optional)
<i>priority</i>	(Optional)
<i>ifid</i>	(Optional)
<i>dr</i>	(Optional)
<i>bdr</i>	(Optional)
<i>master</i>	(Optional)
<i>seqno</i>	(Optional)
<i>dbdallsentacked</i>	(Optional)
<i>dbdallsent</i>	(Optional)
<i>dbdallacked</i>	(Optional)
<i>lsaonreqlist</i>	(Optional)
<i>lsafromlastreq</i>	(Optional)
<i>lsreqrxmts</i>	(Optional)
<i>hellooptions</i>	(Optional)
<i>dbdoptions</i>	(Optional)

<i>lastmonhello</i>	(Optional)
<i>deadtimer</i>	(Optional)
<i>pacingtmer</i>	(Optional)
<i>dbdrxmtimer</i>	(Optional)
<i>reqrxmtimer</i>	(Optional)
<i>lsutimer</i>	(Optional)
<i>rerxmtimer</i>	(Optional)
<i>fastrerxmtimer</i>	(Optional)
<i>lsacktimer</i>	(Optional)
<i>grtimer</i>	(Optional)
<i>helpermode</i>	(Optional)
<i>helpercand</i>	(Optional)
<i>helperterm</i>	(Optional)
<i>senddbd</i>	(Optional)
<i>sendlsreq</i>	(Optional)
<i>sendlsu</i>	(Optional)
<i>sendlsurxmt</i>	(Optional)
<i>sendlsack</i>	(Optional)
<i>sendlsreqreply</i>	(Optional)

Command Mode

- /exec

show ospfv3 virtual-links brief

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] virtual-links brief [ vrf {
<vrf-name> | <vrf-known-name> | all } ] [ __readonly__ TABLE_ctx <ptag> <cname> <vlink_count> [
TABLE_vlink <nbr_rid> <vlink_num> <transit_area> <cost> <if_state> ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
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
virtual-links	Virtual link information
brief	Display summary of OSPFv3 virtual links
<i>__readonly__</i>	(Optional)
TABLE_ctx	(Optional)
<i>ptag</i>	(Optional)
<i>cname</i>	(Optional)
<i>vlink_count</i>	(Optional)
TABLE_vlink	(Optional)
<i>nbr_rid</i>	(Optional)
<i>vlink_num</i>	(Optional)
<i>transit_area</i>	(Optional)
<i>cost</i>	(Optional)
<i>if_state</i>	(Optional)

Command Mode

- /exec

show otv isis

```
show otv isis [ <otv-isis-tag> ] [ vpn { <vrf-name> | all } ] [ process | protocol ] [ vpn { <vrf-name> | all } ]
[ __readonly__ { TABLE_process_tag <process-tag-out> <mcast-encap-type-out> { TABLE_vrf
<vrf-name-out> <system-id-out> <is-type-out> <otv-version-out> <interop-flag-out> <sap-out> <qh-out>
<mtu-out> <gr-status-out> <gr-state-out> <last-gr-status-out> <metric-send-out> <metric-accept-out>
<area-addr-out> <proc-state-out> [ <proc-state-net-out> ] [ <proc-state-vpn-out> ] [ <proc-state-mem-out>
] [ <proc-state-seq-wrap-out> ] <vrf-id-out> [ { TABLE_intf <intf-name-out> } ] [ <auth-out> ] [
<auth-chk-out> ] [ <auth-kchain-out> ] [ { TABLE_redist <max_redist> <warning> <threshold>
<current_count> } ] [ { TABLE_afi_safi <afi-safi-out> <intf-num-out> <adj-check-out> [ { TABLE_redist_proc
<redist-pib-out> <redist-rpm-out> } ] [ { TABLE_leak <dist-src-lvl-out> <dist-dest-lvl-out> <dist-leak-all-out>
<dist-rpm-out> } ] <admin-dist-out> <tib-id-out> } ] <aed-capability-out> <aed-priority-out>
<aed-srv-elected-out> <aed-state-out> <aed-elected-oper-out> <aed-backup-srv-out> <aed-backup-state-out>
<aed-backup-elected-oper-out> } } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) Display information for all VRFs
process	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
protocol	(Optional) Display IS-IS process information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>mcast-encap-type-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_afi_safi	(Optional)
<i>afi-safi-out</i>	(Optional)
<i>system-id-out</i>	(Optional)
<i>is-type-out</i>	(Optional)

<i>otv-version-out</i>	(Optional)
<i>interop-flag-out</i>	(Optional)
<i>sap-out</i>	(Optional)
<i>qh-out</i>	(Optional)
<i>mtu-out</i>	(Optional)
<i>gr-status-out</i>	(Optional)
<i>gr-state-out</i>	(Optional)
<i>last-gr-status-out</i>	(Optional)
<i>metric-send-out</i>	(Optional)
<i>metric-accept-out</i>	(Optional)
<i>area-addr-out</i>	(Optional)
<i>proc-state-out</i>	(Optional)
<i>proc-state-net-out</i>	(Optional)
<i>proc-state-vpn-out</i>	(Optional)
<i>proc-state-mem-out</i>	(Optional)
<i>proc-state-seq-wrap-out</i>	(Optional)
<i>vrf-id-out</i>	(Optional)
TABLE_intf	(Optional)
<i>intf-name-out</i>	(Optional)
<i>auth-out</i>	(Optional)
<i>auth-chk-out</i>	(Optional)
<i>auth-kchain-out</i>	(Optional)
TABLE_redist	(Optional)
<i>max_redist</i>	(Optional)
<i>warning</i>	(Optional)
<i>threshold</i>	(Optional)
<i>current_count</i>	(Optional)
<i>intf-num-out</i>	(Optional)
<i>adj-check-out</i>	(Optional)

TABLE_redist_proc	(Optional)
<i>redist-pib-out</i>	(Optional)
<i>redist-rpm-out</i>	(Optional)
TABLE_leak	(Optional)
<i>dist-src-lvl-out</i>	(Optional)
<i>dist-dest-lvl-out</i>	(Optional)
<i>dist-leak-all-out</i>	(Optional)
<i>dist-rpm-out</i>	(Optional)
<i>admin-dist-out</i>	(Optional)
<i>tib-id-out</i>	(Optional)
<i>aed-capability-out</i>	(Optional)
<i>aed-priority-out</i>	(Optional)
<i>aed-srv-elected-out</i>	(Optional)
<i>aed-state-out</i>	(Optional)
<i>aed-elected-oper-out</i>	(Optional)
<i>aed-backup-srv-out</i>	(Optional)
<i>aed-backup-state-out</i>	(Optional)
<i>aed-backup-elected-oper-out</i>	(Optional)

Command Mode

- /exec

show otv isis active-source

```
show otv isis [ <otv-isis-tag> ] active-source [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr> ] ] ] [
summary ] [ vpn { <vrf-name> | all } ] [ __readonly__ TABLE_process_tag <process-tag-out> <vrf-name-out>
[ <af-string-out> ] [ TABLE_mrout <source-out> <vlan-id-out> <group-out> [ TABLE_adj
<interface-name-out> <iod-out> <site-index-out> <unicast-only-key-out> ] [ TABLE_active_source
<interface-name-out> <iod-out> <site-index-out> <unicast-only-key-out> <source-and-group-addr-out> ] ]
]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
active-source	Display IS-IS Active-source information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
summary	(Optional) Display route counts
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>af-string-out</i>	(Optional)
TABLE_mrout	(Optional)
<i>source-out</i>	(Optional)

<i>vlan-id-out</i>	(Optional)
<i>group-out</i>	(Optional)
TABLE_adj	(Optional)
<i>interface-name-out</i>	(Optional)
<i>iod-out</i>	(Optional)
<i>site-index-out</i>	(Optional)
<i>unicast-only-key-out</i>	(Optional)
TABLE_active_source	(Optional)
<i>interface-name-out</i>	(Optional)
<i>iod-out</i>	(Optional)
<i>site-index-out</i>	(Optional)
<i>unicast-only-key-out</i>	(Optional)
<i>source-and-group-addr-out</i>	(Optional)

Command Mode

- /exec

show otv isis adjacency

```
show otv isis [ <otv-isis-tag> ] adjacency [ <interface> ] { [ system-id <sid> ] | [ detail ] | [ summary ] } [ vpn
{ <vrf-name> | all } ] [ __readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out>
<adj-summary-out> <adj-interface-out> [ <adj-interface-name-out> ] [ { TABLE_process_adj
<adj-sys-name-out> <adj-sys-id-out> [ <adj-usage-out> ] [ <adj-level-out> ] <adj-state-out>
<adj-hold-time-out> <adj-intf-name-out> <adj-site-out> <adj-detail-set-out> [ { <adj-transitions-out>
<adj-flap-out> [ <adj-flap-time-out> ] <adj-ckt-type-out> <adj-ipv4-addr-out> <adj-ipv6-addr-out>
<adj-bcast-out> [ { <adj-ckt-id-out> <adj-lan-prio-out> } ] } ] <adj-resurrect-out> [ { <adj-resurrect-count-out>
<adj-resurrect-hwm-out> } ] } ] } ] [ { TABLE_lan_adj_sum <adj-summ-lan-level-out>
<adj-summ-lan-state-out> <adj-summ-lan-count-out> } ] } ] }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
adjacency	Display IS-IS adjacency information
<i>interface</i>	(Optional) IS-IS interface
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
detail	(Optional) Display IS-IS adjacency detail information
summary	(Optional) Display IS-IS adjacency summary information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>adj-summary-out</i>	(Optional)
<i>adj-interface-out</i>	(Optional)

<i>adj-interface-name-out</i>	(Optional)
TABLE_process_adj	(Optional)
<i>adj-sys-name-out</i>	(Optional)
<i>adj-sys-id-out</i>	(Optional)
<i>adj-usage-out</i>	(Optional)
<i>adj-level-out</i>	(Optional)
<i>adj-state-out</i>	(Optional)
<i>adj-hold-time-out</i>	(Optional)
<i>adj-intf-name-out</i>	(Optional)
<i>adj-site-out</i>	(Optional)
<i>adj-detail-set-out</i>	(Optional)
<i>adj-transitions-out</i>	(Optional)
<i>adj-flap-out</i>	(Optional)
<i>adj-flap-time-out</i>	(Optional)
<i>adj-ckt-type-out</i>	(Optional)
<i>adj-ipv4-addr-out</i>	(Optional)
<i>adj-ipv6-addr-out</i>	(Optional)
<i>adj-bcast-out</i>	(Optional)
<i>adj-ckt-id-out</i>	(Optional)
<i>adj-lan-prio-out</i>	(Optional)
<i>adj-resurrect-out</i>	(Optional)
<i>adj-resurrect-count-out</i>	(Optional)
<i>adj-resurrect-hwm-out</i>	(Optional)
TABLE_lan_adj_sum	(Optional)
<i>adj-summ-lan-level-out</i>	(Optional)
<i>adj-summ-lan-state-out</i>	(Optional)
<i>adj-summ-lan-count-out</i>	(Optional)

Command Mode

- /exec

show otv isis aed-svr-req local

```
show otv isis [ <otv-isis-tag> ] aed-svr-req { local | remote } [ __readonly__ { TABLE_process_tag
<process-tag-out> { TABLE_vrf <vrf-name-out> [ { TABLE_aed_svr_req_local <overlay-iod-out>
<cluster-id-out> <partition-id-out> <device-id-out> <old-aed-out> <old-aed-backup-out> <new-aed-out>
<new-aed-backup-out> <site-id-out> <delete-flag-out> <version-out> <start-vlan-id-out> <end-vlan-id-out>
<step-size-out> } ] [ { TABLE_aed_svr_req_remote <overlay-iod-out> <cluster-id-out> <partition-id-out>
<device-id-out> <old-aed-out> <old-aed-backup-out> <new-aed-out> <new-aed-backup-out> <site-id-out>
<vlan-id-out> <version-out> <delete-flag-out> } ] } ] }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
aed-svr-req	Display aed svr req Info
local	local
remote	remote
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_aed_svr_req_local	(Optional)
<i>overlay-iod-out</i>	(Optional)
<i>cluster-id-out</i>	(Optional)
<i>partition-id-out</i>	(Optional)
<i>device-id-out</i>	(Optional)
<i>old-aed-out</i>	(Optional)
<i>old-aed-backup-out</i>	(Optional)
<i>new-aed-out</i>	(Optional)
<i>new-aed-backup-out</i>	(Optional)
<i>site-id-out</i>	(Optional)

<i>delete-flag-out</i>	(Optional)
<i>version-out</i>	(Optional)
<i>start-vlan-id-out</i>	(Optional)
<i>end-vlan-id-out</i>	(Optional)
<i>step-size-out</i>	(Optional)
TABLE_aed_svr_req_remote	(Optional)
<i>overlay-iod-out</i>	(Optional)
<i>cluster-id-out</i>	(Optional)
<i>partition-id-out</i>	(Optional)
<i>device-id-out</i>	(Optional)
<i>old-aed-out</i>	(Optional)
<i>old-aed-backup-out</i>	(Optional)
<i>new-aed-out</i>	(Optional)
<i>new-aed-backup-out</i>	(Optional)
<i>site-id-out</i>	(Optional)
<i>vlan-id-out</i>	(Optional)
<i>version-out</i>	(Optional)
<i>delete-flag-out</i>	(Optional)

Command Mode

- /exec

show otv isis database

```
show otv isis [ <otv-isis-tag> ] [ site ] database [ mgroup ] [ detail | advertise | summary ] [ <lid> ] { [
zero-sequence ] [ adjacency <adj-id> ] } [ vpn { <vrf-name> | all } ] [ __readonly__ { TABLE_process_tag
<process-tag-out> { TABLE_vrf <vrf-name-out> [ <dbase-hname-absent-out> ] [ { TABLE_process_lvl
<dbase-level-out> [ { TABLE_process_lsp <dbase-lsp-name-out> <dbase-lsp-status-out>
<dbase-lsp-absent-out> [ { <dbase-lsp-seqnum-out> <dbase-lsp-cksum-out> [ <dbase-lsp-lifetime-str-out> ]
[ <dbase-lsp-lifetime-out> ] <dbase-att-out> <dbase-partition-out> <dbase-overload-out> <dbase-istype-out>
} ] [ { <dbase-lsp-instance-out> [ { TABLE_process_tlv <dbase-lsp-tlv-name-out> [ <dbase-lsp-area-addr-out>
] [ <dbase-lsp-is-nbr-name-out> ] [ <dbase-lsp-is-nbr-metric-out> ] [ <dbase-lsp-is-nbr-ext-metric-out> ] [
<dbase-lsp-es-nbr-name-out> ] [ <dbase-lsp-es-nbr-metric-out> ] [ <dbase-lsp-es-nbr-ext-metric-out> ] [
<dbase-lsp-auth-type-out> ] [ <dbase-lsp-auth-len-out> ] [ <dbase-lsp-ext-is-name-out> ] [
<dbase-lsp-ext-is-metric-out> ] [ <dbase-lsp-ip-ri-addr-out> ] [ <dbase-lsp-ip-ri-mask-out> ] [
<dbase-lsp-ip-ri-metric-out> ] [ <dbase-lsp-ip-ri-ext-metric-out> ] [ <dbase-lsp-ip-ri-up-down-out> ] [ {
TABLE_process_nlpid <dbase-lsp-prot-support-out> } ] [ <dbase-lsp-ip-addr-out> ] [ <dbase-lsp-ipv6-addr-out>
] [ { TABLE_process_extip <dbase-lsp-extip-addr-out> <dbase-lsp-extip-prefix-len-out>
<dbase-lsp-extip-metric-out> <dbase-lsp-extip-up-down-out> } ] [ <dbase-lsp-hname-out> ] [
<dbase-lsp-hname-len-out> ] [ { TABLE_process_extipv6 <dbase-lsp-extipv6-addr-out>
<dbase-lsp-extipv6-prefix-len-out> <dbase-lsp-extipv6-metric-out> <dbase-lsp-extipv6-up-down-out>
<dbase-lsp-extipv6-ext-origin-out> } ] [ <dbase-lsp-tlv-len-out> ] [ <dbase-lsp-tlv-unknown-out> ] [ {
TABLE_process_subtlv <dbase-lsp-subtlv-name-out> [ <dbase-lsp-extis-admin-group-out> ] [
<dbase-lsp-subtlv-ip-addr-out> ] [ <dbase-lsp-extis-bw-out> ] [ <dbase-lsp-extis-pri1-out> ] [
<dbase-lsp-extis-pri1-val-out> ] [ <dbase-lsp-extis-pri2-out> ] [ <dbase-lsp-extis-pri2-val-out> ] [
<dbase-lsp-extis-te-metric-out> ] [ <dbase-lsp-ext-ipv4-pfxsid> <dbase-lsp-ext-ipv4-pfxsid-algo>
<dbase-lsp-ext-ipv4-pfxsid-flag> ] [ <dbase-lsp-ext-ipv6-pfxsid> <dbase-lsp-ext-ipv6-pfxsid-algo>
<dbase-lsp-ext-ipv6-pfxsid-flag> ] [ <dbase-lsp-subtlv-len-out> ] [ <dbase-lsp-subtlv-unknown-out> ] } ] }
] <dbase-lsp-digest-out> } ] } [ { <dbase-lsp-total-out> [ { <dbase-lsp-empty-out> <dbase-lsp-zeroseq-out>
} ] } ] } ] }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site	(Optional) Display IS-IS OTV site information
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
database	Display IS-IS database information
mgroup	(Optional) Display IS-IS GM database information
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX

detail	(Optional) Display detailed IS-IS information
advertise	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	(Optional) Display summary IS-IS information
zero-sequence	(Optional) LSP with zero sequence number
adjacency	(Optional) Adjacency filter
<i>adj-id</i>	(Optional) Single exact match adjacency filter
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>dbase-hname-absent-out</i>	(Optional)
TABLE_process_lvl	(Optional)
<i>dbase-level-out</i>	(Optional)
TABLE_process_lsp	(Optional)
<i>dbase-lsp-name-out</i>	(Optional)
<i>dbase-lsp-status-out</i>	(Optional)
<i>dbase-lsp-absent-out</i>	(Optional)
<i>dbase-lsp-seqnum-out</i>	(Optional)
<i>dbase-lsp-cksum-out</i>	(Optional)
<i>dbase-lsp-lifetime-str-out</i>	(Optional)
<i>dbase-lsp-lifetime-out</i>	(Optional)
<i>dbase-att-out</i>	(Optional)
<i>dbase-partition-out</i>	(Optional)
<i>dbase-overload-out</i>	(Optional)
<i>dbase-istype-out</i>	(Optional)
<i>dbase-lsp-instance-out</i>	(Optional)
TABLE_process_tlv	(Optional)
<i>dbase-lsp-tlv-name-out</i>	(Optional)

<i>dbase-lsp-area-addr-out</i>	(Optional)
<i>dbase-lsp-is-nbr-name-out</i>	(Optional)
<i>dbase-lsp-is-nbr-metric-out</i>	(Optional)
<i>dbase-lsp-is-nbr-ext-metric-out</i>	(Optional)
<i>dbase-lsp-es-nbr-name-out</i>	(Optional)
<i>dbase-lsp-es-nbr-metric-out</i>	(Optional)
<i>dbase-lsp-es-nbr-ext-metric-out</i>	(Optional)
<i>dbase-lsp-auth-type-out</i>	(Optional)
<i>dbase-lsp-auth-len-out</i>	(Optional)
<i>dbase-lsp-ext-is-name-out</i>	(Optional)
<i>dbase-lsp-ext-is-metric-out</i>	(Optional)
<i>dbase-lsp-ip-ri-addr-out</i>	(Optional)
<i>dbase-lsp-ip-ri-mask-out</i>	(Optional)
<i>dbase-lsp-ip-ri-metric-out</i>	(Optional)
<i>dbase-lsp-ip-ri-ext-metric-out</i>	(Optional)
<i>dbase-lsp-ip-ri-up-down-out</i>	(Optional)
TABLE_process_nlpid	(Optional)
<i>dbase-lsp-prot-support-out</i>	(Optional)
<i>dbase-lsp-ip-addr-out</i>	(Optional)
<i>dbase-lsp-ipv6-addr-out</i>	(Optional)
TABLE_process_extip	(Optional)
<i>dbase-lsp-extip-addr-out</i>	(Optional)
<i>dbase-lsp-extip-prefix-len-out</i>	(Optional)
<i>dbase-lsp-extip-metric-out</i>	(Optional)
<i>dbase-lsp-extip-up-down-out</i>	(Optional)
<i>dbase-lsp-hname-out</i>	(Optional)
<i>dbase-lsp-hname-len-out</i>	(Optional)
TABLE_process_extipv6	(Optional)
<i>dbase-lsp-extipv6-addr-out</i>	(Optional)

<i>dbase-lsp-extipv6-prefix-len-out</i>	(Optional)
<i>dbase-lsp-extipv6-metric-out</i>	(Optional)
<i>dbase-lsp-extipv6-up-down-out</i>	(Optional)
<i>dbase-lsp-extipv6-ext-origin-out</i>	(Optional)
<i>dbase-lsp-tlv-len-out</i>	(Optional)
<i>dbase-lsp-tlv-unknown-out</i>	(Optional)
TABLE_process_subtlv	(Optional)
<i>dbase-lsp-subtlv-name-out</i>	(Optional)
<i>dbase-lsp-extis-admin-group-out</i>	(Optional)
<i>dbase-lsp-subtlv-ip-addr-out</i>	(Optional)
<i>dbase-lsp-extis-bw-out</i>	(Optional)
<i>dbase-lsp-extis-pri1-out</i>	(Optional)
<i>dbase-lsp-extis-pri1-val-out</i>	(Optional)
<i>dbase-lsp-extis-pri2-out</i>	(Optional)
<i>dbase-lsp-extis-pri2-val-out</i>	(Optional)
<i>dbase-lsp-extis-te-metric-out</i>	(Optional)
<i>dbase-lsp-ext-ipv4-pfxsid</i>	(Optional)
<i>dbase-lsp-ext-ipv4-pfxsid-algo</i>	(Optional)
<i>dbase-lsp-ext-ipv4-pfxsid-flag</i>	(Optional)
<i>dbase-lsp-ext-ipv6-pfxsid</i>	(Optional)
<i>dbase-lsp-ext-ipv6-pfxsid-algo</i>	(Optional)
<i>dbase-lsp-ext-ipv6-pfxsid-flag</i>	(Optional)
<i>dbase-lsp-subtlv-len-out</i>	(Optional)
<i>dbase-lsp-subtlv-unknown-out</i>	(Optional)
<i>dbase-lsp-digest-out</i>	(Optional)
<i>dbase-lsp-total-out</i>	(Optional)
<i>dbase-lsp-empty-out</i>	(Optional)
<i>dbase-lsp-zeroseq-out</i>	(Optional)

Command Mode

- /exec

show otv isis ed-summary local

```
show otv isis [ <otv-isis-tag> ] ed-summary local [ __readonly__ { TABLE_process_tag <process-tag-out>
{ TABLE_vrf <vrf-name-out> [ { TABLE_ed_summary_local <site-id-out> <version-out> <fwd-ready-out>
<device-id-out> <lsp-id-out> } ] } } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
ed-summary	Display ED Summary Info
local	local
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_ed_summary_local	(Optional)
<i>site-id-out</i>	(Optional)
<i>version-out</i>	(Optional)
<i>fwd-ready-out</i>	(Optional)
<i>device-id-out</i>	(Optional)
<i>lsp-id-out</i>	(Optional)

Command Mode

- /exec

show otv isis ed-summary remote

```
show otv isis [ <otv-isis-tag> ] ed-summary remote [ site-identifier { <site-id-mac> | <site-id-hex> } ] [
__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> [ {
TABLE_ed_summary_site <site-id-out> <ref-count-out> [ { TABLE_remote <device-id-out> <aed-srv-out>
<fwd-ready-out> <version-out> <lsp-id-out> } ] } } } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
ed-summary	Display ED Summary Info
remote	remote
site-identifier	(Optional) site-identifier
<i>site-id-mac</i>	(Optional) Site ID in MAC address format
<i>site-id-hex</i>	(Optional) Site ID in hex
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_ed_summary_site	(Optional)
<i>site-id-out</i>	(Optional)
<i>ref-count-out</i>	(Optional)
TABLE_remote	(Optional)
<i>device-id-out</i>	(Optional)
<i>aed-srv-out</i>	(Optional)
<i>fwd-ready-out</i>	(Optional)
<i>version-out</i>	(Optional)
<i>lsp-id-out</i>	(Optional)

Command Mode

- /exec

show otv isis fast-flood

```
show otv isis [ <otv-isis-tag> ] fast-flood [ __readonly__ { TABLE_process_tag <process-tag-out> {
TABLE_vrf <vrf-name-out> <tokens-left-out> [ { TABLE_fast_flood <level-out> <on-off-out> <interval-out>
<packet-count-out> } ] } } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
fast-flood	Fast flood the LSP's
<i>__readonly__</i>	(Optional)
<i>TABLE_process_tag</i>	(Optional)
<i>process-tag-out</i>	(Optional)
<i>TABLE_vrf</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>tokens-left-out</i>	(Optional)
<i>TABLE_fast_flood</i>	(Optional)
<i>level-out</i>	(Optional)
<i>on-off-out</i>	(Optional)
<i>interval-out</i>	(Optional)
<i>packet-count-out</i>	(Optional)

Command Mode

- /exec

show otv isis hostname

```
show otv isis [ <otv-isis-tag> ] hostname [ detail ] [ vpn { <vrf-name> | all } ] [ __readonly__ {
TABLE_process_tag <tag-out> <hname-enabled-out> <hname-detail-out> [ { TABLE_vrf <vrf-name-out>
[ { TABLE_hname <hname-level-out> <hname-id-out> <hname-id-mine-out> <hname-name-out> } ] } ] } ]
]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
hostname	Display IS-IS hostname table information
detail	(Optional) Display detailed IS-IS information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>tag-out</i>	(Optional)
<i>hname-enabled-out</i>	(Optional)
<i>hname-detail-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_hname	(Optional)
<i>hname-level-out</i>	(Optional)
<i>hname-id-out</i>	(Optional)
<i>hname-id-mine-out</i>	(Optional)
<i>hname-name-out</i>	(Optional)

Command Mode

- /exec

show otv isis interface

```
show otv isis [ <otv-isis-tag> ] interface [ brief | <interface> ] [ vpn { <vrf-name> | all } ] [ __readonly__ {
TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> [ { TABLE_interface [ {
<intfb-name-out> <intfb-type-out> <intfb-ix-out> <intfb-state-out> <intfb-ready-state-out> <intfb-cid-out>
<intfb-ckt-type-out> <intfb-mtu-out> [ { <intf-p2p-metric-lvl-1-out> <intf-p2p-prio-lvl-1-out>
<intf-p2p-adj-count-lvl-1-out> <intf-p2p-adj-up-count-lvl-1-out> } ] [ { <intf-loopback-metric-lvl-1-out>
<intf-loopback-prio-lvl-1-out> <intf-loopback-adj-count-lvl-1-out> <intf-loopback-adj-up-count-lvl-1-out>
} ] [ { <intf-bcast-metric-lvl-1-out> <intf-bcast-prio-lvl-1-out> <intf-bcast-adj-count-lvl-1-out>
<intf-bcast-adj-up-count-lvl-1-out> } ] } ] [ { <intf-name-out> <intf-status-out> } ] [ { <intf-state-out>
<intf-internal-state-out> [ <intf-cib-disabled-out> ] [ <intf-cid-invalid-out> } ] [ { <intf-ix-out> <intf-cid-out>
<intf-ckt-type-out> } ] [ <intf-passive-mask-out> ] [ <intf-passive-mask-lvl-out> ] [ <intf-mgrp-set-out> ] [
<intf-mgrp-state-out> ] [ <intf-mgrp-id-out> ] [ { TABLE_auth [ { <intf-auth-info-out> [ <intf-auth-kchain-out>
] <intf-auth-chk-info-out> } ] } ] [ <intf-p2p-type-out> ] [ { <intf-p2p-ext-local-cid-out> <intf-p2p-cid-out>
<intf-retx-intv-out> <intf-retx-throttle-out> } ] [ <intf-loopback-type-out> ] [ { <intf-lsp-intv-out>
<intf-mtu-out> [ <intf-hpad-state-out> } ] } ] [ { <intf-p2p-pad-ts-out> ] <intf-p2p-adj-count-out>
<intf-p2p-adj-up-count-out> <intf-p2p-prio-out> <intf-p2p-hello-intv-out> <intf-p2p-hello-multi-out>
<intf-p2p-hello-next-out> [ { TABLE_p2p <intf-p2p-lvl-out> <intf-p2p-adj-lvl-out> <intf-p2p-adj-up-lvl-out>
<intf-p2p-metric-lvl-out> <intf-p2p-csnp-lvl-out> <intf-p2p-csnp-nxt-lvl-out> <intf-p2p-lspid-last-lvl-out>
} ] } ] [ { <intf-bcast-type-out> [ { TABLE_bcast_pad [ { <intf-bcast-lvl-out> <intf-bcast-pad-ts-out> } ] } ]
} ] [ { TABLE_bcast_dis [ { <intf-bcast-lvl-dis-out> <intf-bcast-dis-ts-out> } ] } ] [ { TABLE_bcast_pkt
<intf-bcast-lvl-info-out> <intf-bcast-lvl-metric-out> <intf-bcast-lvl-csnp-intv-out>
<intf-bcast-lvl-csnp-next-out> <intf-bcast-lvl-iih-intv-out> <intf-bcast-lvl-iih-multi-out>
<intf-bcast-lvl-iih-next-out> } ] [ { TABLE_bcast_adj <intf-bcast-lvl-value-out> <intf-bcast-lvl-adj-out>
<intf-bcast-lvl-adj-up-out> <intf-bcast-lvl-prio-out> <intf-bcast-lvl-ctid-out> <intf-bcast-lvl-ctid-ts-out>
} ] } ] [ { TABLE_loopback <intf-loopback-lvl-out> <intf-loopback-lvl-metric-out> } ] [ <intf-unknown-out>
} ] } ] }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
brief	(Optional) Brief display of IS-IS interfaces
interface	Display IS-IS interface information
<i>interface</i>	(Optional) IS-IS interface
<u>__readonly__</u>	(Optional)
TABLE_process_tag	(Optional)

<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_interface	(Optional)
<i>intf-status-out</i>	(Optional)
<i>intf-name-out</i>	(Optional)
<i>intf-ix-out</i>	(Optional)
<i>intf-state-out</i>	(Optional)
<i>intf-cid-out</i>	(Optional)
<i>intf-ckt-type-out</i>	(Optional)
<i>intfb-name-out</i>	(Optional)
<i>intfb-type-out</i>	(Optional)
<i>intfb-ix-out</i>	(Optional)
<i>intfb-state-out</i>	(Optional)
<i>intfb-ready-state-out</i>	(Optional)
<i>intfb-cid-out</i>	(Optional)
<i>intfb-ckt-type-out</i>	(Optional)
<i>intf-p2p-metric-lvl-1-out</i>	(Optional)
<i>intf-p2p-prio-lvl-1-out</i>	(Optional)
<i>intf-p2p-adj-count-lvl-1-out</i>	(Optional)
<i>intf-p2p-adj-up-count-lvl-1-out</i>	(Optional)
<i>intf-loopback-metric-lvl-1-out</i>	(Optional)
<i>intf-loopback-prio-lvl-1-out</i>	(Optional)
<i>intf-loopback-adj-count-lvl-1-out</i>	(Optional)
<i>intf-loopback-adj-up-count-lvl-1-out</i>	(Optional)
<i>intf-bcast-metric-lvl-1-out</i>	(Optional)
<i>intf-bcast-prio-lvl-1-out</i>	(Optional)
<i>intf-bcast-adj-count-lvl-1-out</i>	(Optional)
<i>intf-bcast-adj-up-count-lvl-1-out</i>	(Optional)

<i>intf-internal-state-out</i>	(Optional)
<i>intf-cib-disabled-out</i>	(Optional)
<i>intf-cid-invalid-out</i>	(Optional)
<i>intf-passive-mask-out</i>	(Optional)
<i>intf-passive-mask-lvl-out</i>	(Optional)
<i>intf-mgrp-set-out</i>	(Optional)
<i>intf-mgrp-state-out</i>	(Optional)
<i>intf-mgrp-id-out</i>	(Optional)
TABLE_auth	(Optional)
<i>intf-auth-info-out</i>	(Optional)
<i>intf-auth-kchain-out</i>	(Optional)
<i>intf-auth-chk-info-out</i>	(Optional)
<i>intf-p2p-type-out</i>	(Optional)
<i>intf-p2p-ext-local-cid-out</i>	(Optional)
<i>intf-p2p-cid-out</i>	(Optional)
<i>intf-retx-intv-out</i>	(Optional)
<i>intf-retx-throttle-out</i>	(Optional)
<i>intf-loopback-type-out</i>	(Optional)
<i>intf-lsp-intv-out</i>	(Optional)
<i>intf-mtu-out</i>	(Optional)
<i>intfb-mtu-out</i>	(Optional)
<i>intf-hpad-state-out</i>	(Optional)
<i>intf-p2p-pad-ts-out</i>	(Optional)
<i>intf-p2p-adj-count-out</i>	(Optional)
<i>intf-p2p-adj-up-count-out</i>	(Optional)
<i>intf-p2p-prio-out</i>	(Optional)
<i>intf-p2p-hello-intv-out</i>	(Optional)
<i>intf-p2p-hello-multi-out</i>	(Optional)
<i>intf-p2p-hello-next-out</i>	(Optional)

TABLE_p2p	(Optional)
<i>intf-p2p-lvl-out</i>	(Optional)
<i>intf-p2p-adj-lvl-out</i>	(Optional)
<i>intf-p2p-adj-up-lvl-out</i>	(Optional)
<i>intf-p2p-metric-lvl-out</i>	(Optional)
<i>intf-p2p-csnp-lvl-out</i>	(Optional)
<i>intf-p2p-csnp-nxt-lvl-out</i>	(Optional)
<i>intf-p2p-lspid-last-lvl-out</i>	(Optional)
<i>intf-bcast-type-out</i>	(Optional)
TABLE_bcast_pad	(Optional)
<i>intf-bcast-lvl-out</i>	(Optional)
<i>intf-bcast-pad-ts-out</i>	(Optional)
TABLE_bcast_dis	(Optional)
<i>intf-bcast-lvl-dis-out</i>	(Optional)
<i>intf-bcast-dis-ts-out</i>	(Optional)
TABLE_bcast_pkt	(Optional)
<i>intf-bcast-lvl-info-out</i>	(Optional)
<i>intf-bcast-lvl-metric-out</i>	(Optional)
<i>intf-bcast-lvl-csnp-intv-out</i>	(Optional)
<i>intf-bcast-lvl-csnp-next-out</i>	(Optional)
<i>intf-bcast-lvl-iih-intv-out</i>	(Optional)
<i>intf-bcast-lvl-iih-multi-out</i>	(Optional)
<i>intf-bcast-lvl-iih-next-out</i>	(Optional)
TABLE_bcast_adj	(Optional)
<i>intf-bcast-lvl-value-out</i>	(Optional)
<i>intf-bcast-lvl-adj-out</i>	(Optional)
<i>intf-bcast-lvl-adj-up-out</i>	(Optional)
<i>intf-bcast-lvl-prio-out</i>	(Optional)
<i>intf-bcast-lvl-ctid-out</i>	(Optional)

<i>intf-bcast-lvl-ctid-ts-out</i>	(Optional)
TABLE_loopback	(Optional)
<i>intf-loopback-lvl-out</i>	(Optional)
<i>intf-loopback-lvl-metric-out</i>	(Optional)
<i>intf-unknown-out</i>	(Optional)

Command Mode

- /exec

show otv isis ip mroute

```
show otv isis [ <otv-isis-tag> ] ip mroute [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr> ] ] ] [
summary ] [ vpn { <vrf-name> | all } ] [ __readonly__ TABLE_process_tag <process-tag-out> <vrf-name-out>
[ <af-string-out> ] [ TABLE_mroute <source-out> <vlan-id-out> <group-out> [ TABLE_adj
<interface-name-out> <iod-out> <site-index-out> <unicast-only-key-out> ] [ TABLE_active_source
<interface-name-out> <iod-out> <site-index-out> <unicast-only-key-out> <source-and-group-addr-out> ] ]
]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ip	Display IS-IS IPv4 information
mroute	Display IS-IS multicast group information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
summary	(Optional) Display route counts
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>af-string-out</i>	(Optional)
TABLE_mroute	(Optional)

<i>source-out</i>	(Optional)
<i>vlan-id-out</i>	(Optional)
<i>group-out</i>	(Optional)
TABLE_adj	(Optional)
<i>interface-name-out</i>	(Optional)
<i>iod-out</i>	(Optional)
<i>site-index-out</i>	(Optional)
<i>unicast-only-key-out</i>	(Optional)
TABLE_active_source	(Optional)
<i>interface-name-out</i>	(Optional)
<i>iod-out</i>	(Optional)
<i>site-index-out</i>	(Optional)
<i>unicast-only-key-out</i>	(Optional)
<i>source-and-group-addr-out</i>	(Optional)

Command Mode

- /exec

show otv isis ip redistribute mroute

```
show otv isis [ <otv-isis-tag> ] ip redistribute mroute [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr>
] ] ] [ summary ] [ vpn { <vrf-name> | all } ] [ __readonly__ TABLE_process_tag <process-tag-out>
<af-string-out> <vrf-name-out> [ TABLE_mrouters <redist-ipv4-vlan> [ <redist-ipv4-mrouter-vlanid-out> ]
[ <redist-ipv4-vlanid-out> ] [ <redist-ipv4-source-addr-out> ] [ <redist-ipv4-group-addr-out> ] [
<redist-ipv4-as-lsp> ] [ <redist-ipv4-recv-lsp> ] [ <redist-ipv4-mroute-vlan-id> ] [
<redist-ipv4-mroute-src-addr> ] [ <redist-ipv4-mroute-grp-addr> ] ] [ TABLE_summary <redist-ipv4-vlan>
<redist-ipv4-group> <redist-ipv4-src-count> ] ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ip	Display IS-IS IPv4 information
redistribute	Display IS-IS redistribute information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
mroute	Display IS-IS multicast group information
summary	(Optional) Display route counts
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>af-string-out</i>	(Optional)
<i>vrf-name-out</i>	(Optional)

TABLE_mrouter	(Optional)
<i>redist-ipv4-vlan</i>	(Optional)
<i>redist-ipv4-mrouter-vlanid-out</i>	(Optional)
<i>redist-ipv4-vlanid-out</i>	(Optional)
<i>redist-ipv4-source-addr-out</i>	(Optional)
<i>redist-ipv4-group-addr-out</i>	(Optional)
<i>redist-ipv4-as-lsp</i>	(Optional)
<i>redist-ipv4-recv-lsp</i>	(Optional)
<i>redist-ipv4-mroute-vlan-id</i>	(Optional)
<i>redist-ipv4-mroute-src-addr</i>	(Optional)
<i>redist-ipv4-mroute-grp-addr</i>	(Optional)
TABLE_summary	(Optional)
<i>redist-ipv4-vlan</i>	(Optional)
<i>redist-ipv4-group</i>	(Optional)
<i>redist-ipv4-src-count</i>	(Optional)

Command Mode

- /exec

show otv isis redistribute route

```
show otv isis [ <otv-isis-tag> ] [ mac ] redistribute route [ summary ] [ direct-mask ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
mac	(Optional) Display IS-IS MAC information
summary	(Optional) Display route counts
direct-mask	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show otv isis route-map statistics

```
show otv isis [ <otv-isis-tag> ] route-map statistics [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
route-map	Display IS-IS route-map information
statistics	Display IS-IS route-map statistics

Command Mode

- /exec

show otv isis route

```
show otv isis [ <otv-isis-tag> ] route [ summary | detail | is ] [ vpn { <vrf-name> | all } ] [ __readonly__ {
TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> [ <afi-safi-out> ] [ { TABLE_route
[ <route-addr-print-out> ] [ <route-absent-out> ] [ <route-prefix-out> ] [ <route-mask-len-out> ] [
<route-level-out> ] [ <route-lvl-absent-out> ] [ <route-summ-discard-addr-out> ] [
<route-summ-discard-mask-len-out> ] [ <route-discard-addr-out> ] [ <route-discard-mask-len-out> ] [
<route-mask-len-print-out> ] [ <route-lvl-out> ] [ <route-direct-print-out> ] [ <route-direct-out> ] [
<route-direct-via-out> ] [ <route-direct-if-name-out> ] [ <route-direct-metric-out> ] [ <route-direct-level-out>
] [ <route-direct-instance-out> ] [ <route-marker-out> ] [ <route-addr-valid-out> ] [ <route-no-def-prefix-out>
] [ <route-iframe-out> ] [ <route-metric-out> ] [ <route-pref-out> ] [ <route-instance-out> ] [
<route-discard-mask-out> ] [ <route-sum-prefix-out> ] [ <route-sum-prefix-len-out> ] } ] [ <route-total-out>
] [ <route-paths-total-out> ] [ <route-paths-best-out> ] [ <route-paths-backup-out> ] [ <route-sum-lvl-out> ]
[ <route-sum-total-out> ] [ <route-sum-direct-out> ] [ <route-sum-normal-out> ] [ <route-sum-missing-out>
] [ <route-best-pend-num-out> ] [ <route-bestpaths-out> ] [ <route-path-sum-lvl-out> ] [
<route-path-sum-total-out> ] [ <route-path-sum-direct-out> ] [ <route-path-sum-normal-out> ] [
<route-backuppaths-out> ] [ <route-bestroutes-per-mask-out> ] [ <route-best-mask-val-out> ] [
<route-best-mask-count-out> ] [ <route-pend-q-count-out> ] } } }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
is	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
route	Display IS-IS route information
summary	(Optional) Display route counts
detail	(Optional) Display detail route information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>afi-safi-out</i>	(Optional)

TABLE_route	(Optional)
<i>route-addr-print-out</i>	(Optional)
<i>route-absent-out</i>	(Optional)
<i>route-lvl-absent-out</i>	(Optional)
<i>route-prefix-out</i>	(Optional)
<i>route-mask-len-out</i>	(Optional)
<i>route-level-out</i>	(Optional)
<i>route-summ-discard-addr-out</i>	(Optional)
<i>route-summ-discard-mask-len-out</i>	(Optional)
<i>route-discard-addr-out</i>	(Optional)
<i>route-discard-mask-len-out</i>	(Optional)
<i>route-mask-len-print-out</i>	(Optional)
<i>route-lvl-out</i>	(Optional)
<i>route-direct-print-out</i>	(Optional)
<i>route-direct-out</i>	(Optional)
<i>route-direct-via-out</i>	(Optional)
<i>route-direct-if-name-out</i>	(Optional)
<i>route-direct-metric-out</i>	(Optional)
<i>route-direct-level-out</i>	(Optional)
<i>route-direct-instance-out</i>	(Optional)
<i>route-marker-out</i>	(Optional)
<i>route-addr-valid-out</i>	(Optional)
<i>route-ifname-out</i>	(Optional)
<i>route-metric-out</i>	(Optional)
<i>route-pref-out</i>	(Optional)
<i>route-instance-out</i>	(Optional)
<i>route-no-def-prefix-out</i>	(Optional)
<i>route-discard-mask-out</i>	(Optional)
<i>route-sum-prefix-out</i>	(Optional)

<i>route-sum-prefix-len-out</i>	(Optional)
<i>route-total-out</i>	(Optional)
<i>route-paths-total-out</i>	(Optional)
<i>route-paths-best-out</i>	(Optional)
<i>route-paths-backup-out</i>	(Optional)
<i>route-sum-lvl-out</i>	(Optional)
<i>route-sum-total-out</i>	(Optional)
<i>route-sum-direct-out</i>	(Optional)
<i>route-sum-normal-out</i>	(Optional)
<i>route-sum-missing-out</i>	(Optional)
<i>route-best-pend-num-out</i>	(Optional)
<i>route-bestpaths-out</i>	(Optional)
<i>route-path-sum-lvl-out</i>	(Optional)
<i>route-path-sum-total-out</i>	(Optional)
<i>route-path-sum-direct-out</i>	(Optional)
<i>route-path-sum-normal-out</i>	(Optional)
<i>route-backuppaths-out</i>	(Optional)
<i>route-bestroutes-per-mask-out</i>	(Optional)
<i>route-best-mask-val-out</i>	(Optional)
<i>route-best-mask-count-out</i>	(Optional)
<i>route-pend-q-count-out</i>	(Optional)

Command Mode

- /exec

show otv isis rrm

```
show otv isis [ <otv-isis-tag> ] rrm [ mgroup ] <interface> [ vpn { <vrf-name> | all } ] [ __readonly__
TABLE_process_tag <process-tag-out> <rrm-if-out> <rrm-if-p2p-out> <rrm-level-out> <rrm-retx-interval-out>
<rrm-retx-throttle-out> <rrm-retx-queue-len-out> <rrm-next-retx-out> <rrm-retx-queue-hwm-out>
<rrm-queue-exceed-out> <rrm-if-lsp-out> <rrm-lsp-name-out> <rrm-lsp-status-out> <rrm-lsp-absent-out>
<rrm-lsp-seqnum-out> <rrm-lsp-cksum-out> <rrm-lsp-lifetime-out> <rrm-lsp-attached-out>
<rrm-lsp-partition-out> <rrm-lsp-overload-out> <rrm-lsp-istype-out> <rrm-last-sent-time-out>
<rrm-invalid-retx-out> <rrm-invalid-db-out> <rrm-set-out> <rrm-srm-set-out> ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
rrm	Display IS-IS Retransmit-Routing-Message information
mgroup	(Optional) Display IS-IS GM Retransmit-Routing-Message information
<i>interface</i>	IS-IS interface
<u>__readonly__</u>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>rrm-if-out</i>	(Optional)
<i>rrm-if-p2p-out</i>	(Optional)
<i>rrm-level-out</i>	(Optional)
<i>rrm-retx-interval-out</i>	(Optional)
<i>rrm-retx-throttle-out</i>	(Optional)
<i>rrm-retx-queue-len-out</i>	(Optional)
<i>rrm-next-retx-out</i>	(Optional)
<i>rrm-retx-queue-hwm-out</i>	(Optional)
<i>rrm-queue-exceed-out</i>	(Optional)

<i>rrm-if-lsp-out</i>	(Optional)
<i>rrm-lsp-name-out</i>	(Optional)
<i>rrm-lsp-status-out</i>	(Optional)
<i>rrm-lsp-absent-out</i>	(Optional)
<i>rrm-lsp-seqnum-out</i>	(Optional)
<i>rrm-lsp-cksum-out</i>	(Optional)
<i>rrm-lsp-lifetime-out</i>	(Optional)
<i>rrm-lsp-attached-out</i>	(Optional)
<i>rrm-lsp-partition-out</i>	(Optional)
<i>rrm-lsp-overload-out</i>	(Optional)
<i>rrm-lsp-istype-out</i>	(Optional)
<i>rrm-last-sent-time-out</i>	(Optional)
<i>rrm-invalid-retx-out</i>	(Optional)
<i>rrm-invalid-db-out</i>	(Optional)
<i>rrm-set-out</i>	(Optional)
<i>rrm-srm-set-out</i>	(Optional)

Command Mode

- /exec

show otv isis site-index

show otv isis [<otv-isis-tag>] site-index

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site-index	Display site index table

Command Mode

- /exec

show otv isis site

```
show otv isis [ <otv-isis-tag> ] site [ statistics ] [ __readonly__ { TABLE_process_tag <process-tag-out> [
<bfd-state-str-out> ] [ { TABLE_adjacency <nbr-system-id-out> <adj-state-out> <last-flap-ts-out>
<hold-time-out> <otv-fwd_ready-out> <site-id-out> <otv-version-out> <l3-ipv4-addr-out> <nbr-ip-out> } ]
[ <system-id-out> ] [ <interface-out> ] [ <vlan-id-out> ] [ <cib-out> ] [ <iib-out> ] [ { TABLE_site_groups
<overlay-name-out> <overlay-state-out> <timer-iih-out> <iih-ts-out> <iih-multi-out> } ] [ {
TABLE_site_groups_csnp <overlay-name-csnp-out> <encap-af-out> <csnp-last-out> <csnp-int-out>
<csnp-next-out> } ] [ { TABLE_site_groups_nbr <nbr-gr-system-id-out> } ] [ <traffic-lan-iih-out> ] [
<traffic-lan-iih-rcv-out> ] [ <traffic-lan-iih-xmit-out> ] [ <traffic-lan-iih-rcv-auth-err-out> ] [
<traffic-lan-iih-rcv-err-out> ] [ <traffic-csnp-out> ] [ <traffic-csnp-rcv-out> ] [ <traffic-csnp-xmit-out> ] [
<traffic-csnp-rcv-auth-err-out> ] [ <traffic-csnp-rcv-err-out> ] [ <traffic-psnp-out> ] [ <traffic-psnp-rcv-out>
] [ <traffic-psnp-xmit-out> ] [ <traffic-psnp-rcv-auth-err-out> ] [ <traffic-psnp-rcv-err-out> ] [ <traffic-lsp-out>
] [ <traffic-lsp-rcv-out> ] [ <traffic-lsp-flood-out> ] [ <traffic-lsp-rcv-auth-err-out> ] [ <traffic-lsp-rcv-err-out>
] [ <traffic-lsp-rexmit-out> ] [ <traffic-gmlsp-out> ] [ <traffic-gmlsp-rcv-out> ] [ <traffic-gmlsp-flood-out>
] [ <traffic-gmlsp-rcv-auth-err-out> ] [ <traffic-gmlsp-rcv-err-out> ] [ <traffic-gmlsp-rexmit-out> ] [
<site-spf-calc-out> ] [ <site-lsp-sourced-out> ] [ <site-lsp-refresh-out> ] [ <site-lsp-purge-out> ] }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site	Display IS-IS OTV site information
statistics	(Optional) Display IS-IS protocol statistics
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>bfd-state-str-out</i>	(Optional)
<i>system-id-out</i>	(Optional)
<i>interface-out</i>	(Optional)
<i>vlan-id-out</i>	(Optional)
<i>cib-out</i>	(Optional)
<i>iib-out</i>	(Optional)
TABLE_adjacency	(Optional)
<i>nbr-system-id-out</i>	(Optional)

<i>adj-state-out</i>	(Optional)
<i>last-flap-ts-out</i>	(Optional)
<i>hold-time-out</i>	(Optional)
<i>otv-fwd_ready-out</i>	(Optional)
<i>site-id-out</i>	(Optional)
<i>otv-version-out</i>	(Optional)
<i>l3-ipv4-addr-out</i>	(Optional)
<i>nbr-ip-out</i>	(Optional)
TABLE_site_groups	(Optional)
<i>overlay-name-out</i>	(Optional)
<i>overlay-state-out</i>	(Optional)
<i>timer-iih-out</i>	(Optional)
<i>iih-ts-out</i>	(Optional)
<i>iih-multi-out</i>	(Optional)
TABLE_site_groups_csnp	(Optional)
<i>overlay-name-csnp-out</i>	(Optional)
<i>encap-af-out</i>	(Optional)
<i>csnp-last-out</i>	(Optional)
<i>csnp-int-out</i>	(Optional)
<i>csnp-next-out</i>	(Optional)
TABLE_site_groups_nbr	(Optional)
<i>nbr-gr-system-id-out</i>	(Optional)
<i>traffic-lan-iih-out</i>	(Optional)
<i>traffic-lan-iih-rcv-out</i>	(Optional)
<i>traffic-lan-iih-xmit-out</i>	(Optional)
<i>traffic-lan-iih-rcv-auth-err-out</i>	(Optional)
<i>traffic-lan-iih-rcv-err-out</i>	(Optional)
<i>traffic-csnp-out</i>	(Optional)
<i>traffic-csnp-rcv-out</i>	(Optional)

<i>traffic-csnp-xmit-out</i>	(Optional)
<i>traffic-csnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-csnp-rcv-err-out</i>	(Optional)
<i>traffic-psnp-out</i>	(Optional)
<i>traffic-psnp-rcv-out</i>	(Optional)
<i>traffic-psnp-xmit-out</i>	(Optional)
<i>traffic-psnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-psnp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-out</i>	(Optional)
<i>traffic-lsp-rcv-out</i>	(Optional)
<i>traffic-lsp-flood-out</i>	(Optional)
<i>traffic-lsp-rcv-auth-err-out</i>	(Optional)
<i>traffic-lsp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-rexmit-out</i>	(Optional)
<i>traffic-gmlsp-out</i>	(Optional)
<i>traffic-gmlsp-rcv-out</i>	(Optional)
<i>traffic-gmlsp-flood-out</i>	(Optional)
<i>traffic-gmlsp-rcv-auth-err-out</i>	(Optional)
<i>traffic-gmlsp-rcv-err-out</i>	(Optional)
<i>traffic-gmlsp-rexmit-out</i>	(Optional)
<i>site-spf-calc-out</i>	(Optional)
<i>site-lsp-sourced-out</i>	(Optional)
<i>site-lsp-refresh-out</i>	(Optional)
<i>site-lsp-purge-out</i>	(Optional)

Command Mode

- /exec

show otv isis spf-log

```
show otv isis [ <otv-isis-tag> ] spf-log [ detail ] [ vpn { <vrf-name> | all } ] [ __readonly__ {
TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <spflog-calc-out> <spflog-size-out>
<spflog-maxsize-out> [ { TABLE_log_detail <num-out> <ts-out> <date-out> [ { TABLE_lvl_detail <lvl-out>
<instance-out> <init-ts-out> <ts-lvl-out> } ] [ <ts-isis-out> ] [ <ts-urib-out> ] [ <ts-elapsed-out> ] [ {
TABLE_lvl_second <lvls-out> <spf-node-out> <spf-cnt-out> <changed-cnt-out> <spf-reason-out> } ] ] [ {
{ TABLE_log_brief <ago-time-out> [ { TABLE_lvl <lvl-out> <reason-out> <count-out> } ] [ <elapsed-ts-out>
} ] } ] }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
spf-log	Display IS-IS SPF information
detail	(Optional) Display detail ISIS SPF information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>spflog-calc-out</i>	(Optional)
<i>spflog-size-out</i>	(Optional)
<i>spflog-maxsize-out</i>	(Optional)
TABLE_log_detail	(Optional)
<i>num-out</i>	(Optional)
<i>ts-out</i>	(Optional)
<i>date-out</i>	(Optional)
TABLE_lvl_detail	(Optional)

<i>lvld-out</i>	(Optional)
<i>instance-out</i>	(Optional)
<i>init-ts-out</i>	(Optional)
<i>ts-lvl-out</i>	(Optional)
<i>ts-is-out</i>	(Optional)
<i>ts-urib-out</i>	(Optional)
<i>ts-elapsed-out</i>	(Optional)
TABLE_lvl_second	(Optional)
<i>lvls-out</i>	(Optional)
<i>spf-node-out</i>	(Optional)
<i>spf-cnt-out</i>	(Optional)
<i>changed-cnt-out</i>	(Optional)
<i>spf-reason-out</i>	(Optional)
TABLE_log_brief	(Optional)
<i>ago-time-out</i>	(Optional)
TABLE_lvl	(Optional)
<i>lvl-out</i>	(Optional)
<i>reason-out</i>	(Optional)
<i>count-out</i>	(Optional)
<i>elapsed-ts-out</i>	(Optional)

Command Mode

- /exec

show otv isis srm

```
show otv isis [ <otv-isis-tag> ] srm [ mgroup ] <interface> [ vpn { <vrf-name> | all } ] [ __readonly__
TABLE_process_tag <process-tag-out> <srm-if-out> <srm-level-out> <srm-if-flood-out> <srm-if-stopped-out>
<srm-lsp-interval-out> <srm-next-lsp-out> [ TABLE_srm_lsp <srm-lsp-name-out> <srm-lsp-status-out> [
<srm-lsp-absent-out> ] [ <srm-lsp-seqnum-out> <srm-lsp-cksum-out> ] [ <srm-lsp-lifetime-out> ] [
<srm-lsp-attached-out> <srm-lsp-partition-out> <srm-lsp-overload-out> <srm-lsp-istype-out> ] [
<srm-txlist-status> ] ] ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
srm	Display IS-IS Send-Routing-Message information
mgroup	(Optional) Display IS-IS GM-Send-Routing-Message information
<i>interface</i>	IS-IS interface
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>srm-if-out</i>	(Optional)
<i>srm-level-out</i>	(Optional)
<i>srm-if-flood-out</i>	(Optional)
<i>srm-if-stopped-out</i>	(Optional)
<i>srm-lsp-interval-out</i>	(Optional)
<i>srm-next-lsp-out</i>	(Optional)
TABLE_srm_lsp	(Optional)
<i>srm-lsp-name-out</i>	(Optional)
<i>srm-lsp-status-out</i>	(Optional)

<i>srm-lsp-absent-out</i>	(Optional)
<i>srm-lsp-seqnum-out</i>	(Optional)
<i>srm-lsp-cksum-out</i>	(Optional)
<i>srm-lsp-lifetime-out</i>	(Optional)
<i>srm-lsp-attached-out</i>	(Optional)
<i>srm-lsp-partition-out</i>	(Optional)
<i>srm-lsp-overload-out</i>	(Optional)
<i>srm-lsp-istype-out</i>	(Optional)
<i>srm-txlist-status</i>	(Optional)

Command Mode

- /exec

show otv isis ssn

```
show otv isis [ <otv-isis-tag> ] ssn [ mgroup ] <interface> [ vpn { <vrf-name> | all } ] [ __readonly__
TABLE_process_tag <process-tag-out> <ssn-if-out> <ssn-level-out> <ssn-psnp-capable-out>
<ssn-next-psnp-out> [ TABLE_ssn_lsp <ssn-lsp-name-out> <ssn-lsp-status-out> [ <ssn-lsp-absent-out> ] [
<ssn-lsp-seqnum-out> <ssn-lsp-cksum-out> ] [ <ssn-lsp-lifetime-out> ] [ <ssn-lsp-attached-out>
<ssn-lsp-partition-out> <ssn-lsp-overload-out> <ssn-lsp-istype-out> ] [ <ssn-txlist-status-out> ] ] ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ssn	Display IS-IS Send-Sequence-Number information
mgroup	(Optional) Display IS-IS GM-Send-Sequence-Number information
<i>interface</i>	IS-IS interface
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>ssn-if-out</i>	(Optional)
<i>ssn-level-out</i>	(Optional)
<i>ssn-psnp-capable-out</i>	(Optional)
<i>ssn-next-psnp-out</i>	(Optional)
TABLE_ssn_lsp	(Optional)
<i>ssn-lsp-name-out</i>	(Optional)
<i>ssn-lsp-status-out</i>	(Optional)
<i>ssn-lsp-absent-out</i>	(Optional)
<i>ssn-lsp-seqnum-out</i>	(Optional)
<i>ssn-lsp-cksum-out</i>	(Optional)

<i>ssn-lsp-lifetime-out</i>	(Optional)
<i>ssn-lsp-attached-out</i>	(Optional)
<i>ssn-lsp-partition-out</i>	(Optional)
<i>ssn-lsp-overload-out</i>	(Optional)
<i>ssn-lsp-istype-out</i>	(Optional)
<i>ssn-txlist-status-out</i>	(Optional)

Command Mode

- /exec

show otv isis statistics

```
show otv isis [ <otv-isis-tag> ] statistics [ <interface> ] [ vpn { <vrf-name> | all } ] [ __readonly__ {
TABLE_process_tag <process-tag-out> [ <stat-if-out> ] { TABLE_vrf <vrf-name-out> [ <stat-if-name-out>
] [ <stat-spf-calc-out> ] [ <stat-lsp-sourced-out> ] [ <stat-lsp-refresh-out> ] [ <stat-lsp-purge-out> ] [
<stat-dis-elections-out> ] } } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
statistics	Display IS-IS protocol statistics
<i>interface</i>	(Optional) IS-IS interface
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>stat-if-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>stat-if-name-out</i>	(Optional)
<i>stat-spf-calc-out</i>	(Optional)
<i>stat-lsp-sourced-out</i>	(Optional)
<i>stat-lsp-refresh-out</i>	(Optional)
<i>stat-lsp-purge-out</i>	(Optional)
<i>stat-dis-elections-out</i>	(Optional)

Command Mode

- /exec

show otv isis track-adjacency-nexthop

```
show otv isis [ <otv-isis-tag> ] track-adjacency-nexthop [ __readonly__ { TABLE_process_tag
<process-tag-out> [ { TABLE_next_hop <ip-address-out> <vrf-name-out> [ { TABLE_adjacency
<hostname-out> <interface-out> } ] } ] }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
track-adjacency-nexthop	Display IS-IS OTV adjacency nexthop tracking information
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_next_hop	(Optional)
<i>ip-address-out</i>	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_adjacency	(Optional)
<i>hostname-out</i>	(Optional)
<i>interface-out</i>	(Optional)

Command Mode

- /exec

show otv isis traffic

```
show otv isis [ <otv-isis-tag> ] traffic [ <interface> ] [ mbuf-priority ] [ vpn { <vrf-name> | all } ] [ __readonly__
{ TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <traffic-if-out> [ <traffic-if-name-out>
] <traffic-lan-iih-out> <traffic-lan-iih-rcv-out> <traffic-lan-iih-xmit-out> <traffic-lan-iih-rcv-auth-err-out>
<traffic-lan-iih-rcv-err-out> <traffic-csnp-out> <traffic-csnp-rcv-out> <traffic-csnp-xmit-out>
<traffic-csnp-rcv-auth-err-out> <traffic-csnp-rcv-err-out> <traffic-psnp-out> <traffic-psnp-rcv-out>
<traffic-psnp-xmit-out> <traffic-psnp-rcv-auth-err-out> <traffic-psnp-rcv-err-out> <traffic-lsp-out>
<traffic-lsp-rcv-out> <traffic-lsp-flood-out> <traffic-lsp-rcv-auth-err-out> <traffic-lsp-rcv-err-out>
<traffic-lsp-rexmit-out> <traffic-gmlsp-out> <traffic-gmlsp-rcv-out> <traffic-gmlsp-flood-out>
<traffic-gmlsp-rcv-auth-err-out> <traffic-gmlsp-rcv-err-out> <traffic-gmlsp-rexmit-out> [ <traffic-xmit-err-out>
] [ <traffic-unknown-pdu-rcv-out> ] } } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
traffic	Display IS-IS traffic information
<i>interface</i>	(Optional) IS-IS interface
mbuf-priority	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<u>__readonly__</u>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>traffic-if-out</i>	(Optional)
<i>traffic-if-name-out</i>	(Optional)
<i>traffic-lan-iih-out</i>	(Optional)
<i>traffic-lan-iih-rcv-out</i>	(Optional)
<i>traffic-lan-iih-xmit-out</i>	(Optional)

<i>traffic-lan-iih-rcv-auth-err-out</i>	(Optional)
<i>traffic-lan-iih-rcv-err-out</i>	(Optional)
<i>traffic-csnp-out</i>	(Optional)
<i>traffic-csnp-rcv-out</i>	(Optional)
<i>traffic-csnp-xmit-out</i>	(Optional)
<i>traffic-csnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-csnp-rcv-err-out</i>	(Optional)
<i>traffic-psnp-out</i>	(Optional)
<i>traffic-psnp-rcv-out</i>	(Optional)
<i>traffic-psnp-xmit-out</i>	(Optional)
<i>traffic-psnp-rcv-auth-err-out</i>	(Optional)
<i>traffic-psnp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-out</i>	(Optional)
<i>traffic-lsp-rcv-out</i>	(Optional)
<i>traffic-lsp-flood-out</i>	(Optional)
<i>traffic-lsp-rcv-auth-err-out</i>	(Optional)
<i>traffic-lsp-rcv-err-out</i>	(Optional)
<i>traffic-lsp-rexmit-out</i>	(Optional)
<i>traffic-gmlsp-out</i>	(Optional)
<i>traffic-gmlsp-rcv-out</i>	(Optional)
<i>traffic-gmlsp-flood-out</i>	(Optional)
<i>traffic-gmlsp-rcv-auth-err-out</i>	(Optional)
<i>traffic-gmlsp-rcv-err-out</i>	(Optional)
<i>traffic-gmlsp-rexmit-out</i>	(Optional)
<i>traffic-xmit-err-out</i>	(Optional)
<i>traffic-unknown-pdu-rcv-out</i>	(Optional)

Command Mode

- /exec

show otv isis vlan-status local

```
show otv isis [ <otv-isis-tag> ] vlan-status { local | remote } [ __readonly__ { TABLE_process_tag
<process-tag-out> { TABLE_vrf <vrf-name-out> [ { TABLE_vlan_status_local <overlay-iod-out>
<cluster-id-out> <partition-id-out> <device-id-out> <site-id-out> <fwd-ready-out> <aed-out> <backup-aed-out>
<delete-flag-out> <local-out> <remote-out> <version-out> <priority-out> <start-vlan-id-out> <end-vlan-id-out>
<step-size-out> } ] [ { TABLE_vlan_status_remote <overlay-iod-out> <cluster-id-out> <partition-id-out>
<device-id-out> <site-id-out> <fwd-ready-out> <aed-out> <backup-aed-out> <delete-flag-out> <local-out>
<remote-out> <priority-out> <vlan-id-out> <version-out> <site-index-out> <update-count-out>
<creation-time-out> <update-time-out> } ] } ] ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vlan-status	Display vlan status Info
local	local
remote	remote
<i>__readonly__</i>	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_vlan_status_local	(Optional)
<i>overlay-iod-out</i>	(Optional)
<i>cluster-id-out</i>	(Optional)
<i>partition-id-out</i>	(Optional)
<i>device-id-out</i>	(Optional)
<i>site-id-out</i>	(Optional)
<i>fwd-ready-out</i>	(Optional)
<i>aed-out</i>	(Optional)
<i>backup-aed-out</i>	(Optional)

<i>delete-flag-out</i>	(Optional)
<i>local-out</i>	(Optional)
<i>remote-out</i>	(Optional)
<i>version-out</i>	(Optional)
<i>priority-out</i>	(Optional)
<i>start-vlan-id-out</i>	(Optional)
<i>end-vlan-id-out</i>	(Optional)
<i>step-size-out</i>	(Optional)
TABLE_vlan_status_remote	(Optional)
<i>overlay-iod-out</i>	(Optional)
<i>cluster-id-out</i>	(Optional)
<i>partition-id-out</i>	(Optional)
<i>device-id-out</i>	(Optional)
<i>site-id-out</i>	(Optional)
<i>fwd-ready-out</i>	(Optional)
<i>aed-out</i>	(Optional)
<i>backup-aed-out</i>	(Optional)
<i>delete-flag-out</i>	(Optional)
<i>local-out</i>	(Optional)
<i>remote-out</i>	(Optional)
<i>priority-out</i>	(Optional)
<i>vlan-id-out</i>	(Optional)
<i>version-out</i>	(Optional)
<i>site-index-out</i>	(Optional)
<i>update-count-out</i>	(Optional)
<i>creation-time-out</i>	(Optional)
<i>update-time-out</i>	(Optional)

Command Mode

- /exec



P Show Commands

- [show param-list](#), on page 2454
- [show password secure-mode](#), on page 2455
- [show password strength-check](#), on page 2456
- [show pie broker](#), on page 2457
- [show pie envmon](#), on page 2458
- [show pie eventdb](#), on page 2459
- [show pie eventid](#), on page 2461
- [show pie interface](#), on page 2462
- [show platform vnic info](#), on page 2463
- [show platform vnic mapped](#), on page 2464
- [show pmap-int-br interface br](#), on page 2465
- [show pmap-int](#), on page 2466
- [show pnp lease](#), on page 2467
- [show pnp posix_pi configs](#), on page 2468
- [show pnp posix_pi tech-support](#), on page 2469
- [show pnp profiles](#), on page 2470
- [show pnp status](#), on page 2471
- [show pnp summary](#), on page 2472
- [show pnp version](#), on page 2473
- [show policy-map](#), on page 2474
- [show policy-map interface control-plane](#), on page 2479
- [show policy-map system](#), on page 2482
- [show policy-map type control-plane](#), on page 2487
- [show policy-map type network-qos](#), on page 2490
- [show port-channel capacity](#), on page 2492
- [show port-channel compatibility-parameters](#), on page 2493
- [show port-channel database](#), on page 2494
- [show port-channel fast-convergence](#), on page 2496
- [show port-channel load-balance](#), on page 2497
- [show port-channel load-balance forwarding-path1 interface src-interface](#), on page 2499
- [show port-channel load-balance forwarding-path interface](#), on page 2501
- [show port-channel load-balance hardware forwarding-path interface source](#), on page 2503
- [show port-channel rbh-distribution](#), on page 2505

- [show port-channel scale-fanout](#), on page 2506
- [show port-channel summary](#), on page 2507
- [show port-channel traffic](#), on page 2508
- [show port-channel usage](#), on page 2509
- [show port-license](#), on page 2510
- [show port-profile](#), on page 2511
- [show port-profile brief](#), on page 2513
- [show port-profile expand-interface](#), on page 2514
- [show port-profile sync-status](#), on page 2515
- [show port-profile usage](#), on page 2516
- [show port-security](#), on page 2517
- [show port-security address](#), on page 2518
- [show port-security address interface](#), on page 2519
- [show port-security interface](#), on page 2520
- [show port-security state](#), on page 2521
- [show port led-status module](#), on page 2522
- [show port naming](#), on page 2523
- [show postcard-telemetry exporter](#), on page 2524
- [show postcard-telemetry flow-profile](#), on page 2525
- [show postcard-telemetry monitor](#), on page 2526
- [show postcard-telemetry queue-profile](#), on page 2527
- [show postcard-telemetry sessions](#), on page 2528
- [show postcard-telemetry watchlist](#), on page 2529
- [show power inline](#), on page 2530
- [show power inline](#), on page 2531
- [show power inline detail](#), on page 2532
- [show power inline police](#), on page 2534
- [show power inline priority](#), on page 2535
- [show processes](#), on page 2536
- [show processes cpu](#), on page 2537
- [show processes cpu history](#), on page 2538
- [show processes cpu history data](#), on page 2539
- [show processes cpu module](#), on page 2540
- [show processes log](#), on page 2541
- [show processes log details](#), on page 2542
- [show processes log pid](#), on page 2543
- [show processes log vdc-all](#), on page 2544
- [show processes memory](#), on page 2545
- [show processes memory physical](#), on page 2546
- [show processes memory shared](#), on page 2547
- [show processes vdc](#), on page 2550
- [show processes vdc cpu](#), on page 2551
- [show processes vdc log](#), on page 2552
- [show processes vdc log details](#), on page 2553
- [show processes vdc log pid](#), on page 2554
- [show processes vdc memory](#), on page 2555

- [show pss debug](#), on page 2556
- [show ptp brief](#), on page 2557
- [show ptp clock](#), on page 2558
- [show ptp clock foreign-masters record](#), on page 2560
- [show ptp corrections](#), on page 2561
- [show ptp cost](#), on page 2562
- [show ptp counters interface](#), on page 2563
- [show ptp delay summary](#), on page 2564
- [show ptp domain data](#), on page 2565
- [show ptp interface domain](#), on page 2566
- [show ptp packet-trace](#), on page 2567
- [show ptp parent](#), on page 2568
- [show ptp port interface](#), on page 2569
- [show ptp time-property](#), on page 2571
- [show ptp unicast-negotiation](#), on page 2572

show param-list

```
show param-list [ param-list-name <plistname> ] [ show-instance ] [ __readonly__ TABLE_param_list
<param_list_name> [ <param_list_var> ] [ <param_list_type> ] [ TABLE_instance <param_instance_name>
[ <param_instance_var> ] [ <param_instance_val> ] ] ]
```

Syntax Description

show	Show running system information
param-list	Show param-list
param-list-name	(Optional) param list name
<i>plistname</i>	(Optional) Enter the name of the param-list
show-instance	(Optional) show instances for the param list
<i>__readonly__</i>	(Optional)
TABLE_param_list	(Optional)
<i>param_list_name</i>	(Optional) Parameter List Name
<i>param_list_var</i>	(Optional) Parameter Name
<i>param_list_type</i>	(Optional) Param Type
TABLE_instance	(Optional)
<i>param_instance_name</i>	(Optional) Instance Name
<i>param_instance_var</i>	(Optional) Instance Variable Name
<i>param_instance_val</i>	(Optional) Instance Variable Value

Command Mode

- /exec

show password secure-mode

```
show password secure-mode [ __readonly__ { secure_mode <secure_mode_status> } ]
```

Syntax Description

show	Show running system information
password	Password for the user
secure-mode	secure mode for changing passwords
__readonly__	(Optional)
secure_mode	(Optional) run time status about xml
<i>secure_mode_status</i>	(Optional) Run time status about secure mode

Command Mode

- /exec

show password strength-check

```
show password strength-check [ __readonly__ { operation_status <o_status> } ]
```

Syntax Description

show	Show running system information
password	Password for the user
strength-check	Strength check of password
__readonly__	(Optional)
operation_status	(Optional) run-time information about password strength-check
<i>o_status</i>	(Optional) operational status of password strength check

Command Mode

- /exec

show pie broker

show pie broker { clients | subscriptions | timers | events | event-stats | drp }

Syntax Description

show	Show running system information
pie	Show information about pie
broker	Show information about broker
clients	Show information about pie clients
subscriptions	Show subscriptions
timers	Show all timers
events	Show all events
event-stats	Show event stats
drp	Show data retention policy for events

Command Mode

- /exec

show pie envmon

```
show pie envmon { psu { all | <psuid> } | fan | sensor [ module <module> ] | cpu-usage [ module <module> ] | mem-usage [ module <module> ] } [ detail ] [ count <num_events> ]
```

Syntax Description

show	Show running system information
pie	Show information about pie
envmon	Show environment monitoring insights information
psu	Show power-supply insights
all	Show all PSU insights
<i>psuid</i>	
fan	Show fan insights
sensor	Show sensor insights
cpu-usage	Show cpu usage insights
mem-usage	Show memory usage insights
detail	(Optional) Show insights details
count	(Optional) Show N number of events
<i>num_events</i>	(Optional) 0 -- Unlimited N -- num of events
module	(Optional) Show pie events for this module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show pie eventdb

```
show pie eventdb { all | link-flaps | link-down | link-flap-rca | link-down-rca | ssd-cur | ssd-overall | ssd-summary
| ssd-smartctl [ insights ] | dom | dom_db | dom_xthres | cpu-usage [ insights ] | mem-usage [ insights ] | psu
[ insights ] | fan [ insights ] | sensor [ insights ] } [ module <module> ] [ detail ] [ count <num_events> ]
```

Syntax Description

show	Show running system information
pie	Show information about pie
eventdb	Show pie events from eventdb
all	Show all classes of events
link-flaps	Show link-flap events
link-down	Show link-down events
link-flap-rca	Show link-flap rca
link-down-rca	Show link-down rca
ssd-cur	Show SSD Current Stat events
ssd-overall	Show SSD Overall Stat events
ssd-summary	Show SSD aggregate summary events
ssd-smartctl	Show SSD smartctl events
dom	Show xcvr dom
dom_db	Show xcvr dom DB
dom_xthres	Show xcvr dom xthres
cpu-usage	Show cpu usage events
insights	(Optional) Show insights events
mem-usage	Show memory usage events
psu	Show power-supply events
fan	Show fan events
sensor	Show sensor events
detail	(Optional) Show event details
count	(Optional) Show N number of events
<i>num_events</i>	(Optional) 0 -- Unlimited N -- num of events

module	(Optional) Show pie events for this module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show pie eventid

show pie eventid <eventid>

Syntax Description

show	Show running system information
pie	Show information about pie
eventid	Show information about this eventid
<i>eventid</i>	event id

Command Mode

- /exec

show pie interface

show pie interface <iface> { link-flap-rca | link-down-rca | transceiver-insights } [detail]

Syntax Description

show	Show running system information
pie	Show information about pie
interface	Interface events
<i>iface</i>	interface
link-flap-rca	Show link-flap events
link-down-rca	Show link-down reason
transceiver-insights	Show optics health
detail	(Optional) Show event details

Command Mode

- /exec

show platform vnic info

```
show platform vnic info [ __readonly__ <scheme> <total-vnics> <vnics-mapped> <vnics-unmapped>
<mgmt-int-device> <mgmt-int-mac> { TABLE_linecard_info <module> <module-vnics> } ]
```

Syntax Description

show	Show running system information
platform	Platform specific commands
vnic	Virtual Network Interface Card
info	Show general VNIC information
<i>__readonly__</i>	(Optional)
TABLE_linecard_info	(Optional)
<i>scheme</i>	(Optional) VNIC scheme
<i>total-vnics</i>	(Optional) Total number of VNICs
<i>vnics-mapped</i>	(Optional) Total number of VNICs mapped
<i>vnics-unmapped</i>	(Optional) Total number of VNICs unmapped
<i>mgmt-int-device</i>	(Optional) Management interface
<i>mgmt-int-mac</i>	(Optional) Management interface
<i>module</i>	(Optional) Module
<i>module-vnics</i>	(Optional) Number of VNICs mapped to this linecard

Command Mode

- /exec

show platform vnic mapped

```
show platform vnic mapped [ module <module-num> ] [ __readonly__ { TABLE_interface_info
<nxos-interface> <mac-address> <vnic> } ]
```

Syntax Description

show	Show running system information
platform	Platform specific commands
vnic	Virtual Network Interface Card
mapped	Show mapped interfaces
__readonly__	(Optional)
TABLE_interface_info	(Optional)
module	(Optional) Enter a module number
<i>nxos-interface</i>	(Optional) NXOS interface
<i>mac-address</i>	(Optional) VNIC MAC-address
<i>vnic</i>	(Optional) VNIC mapping
<i>module-num</i>	(Optional) enter a module number

Command Mode

- /exec

show pmap-int-br interface br

```
show pmap-int-br interface br [ __readonly__ { [ TABLE_ifvlanstr <if-vlan-str> <if-status> [ <in-pmap-qos>
] [ <out-pmap-qos> ] [ <in-pmap-que> ] [ <out-pmap-que> ] ] } ]
```

Syntax Description

show	Show running system information
pmap-int-br	Show policy maps
interface	Show service policy on interface
br	Brief report of all policies attached to interfaces
TABLE_ifvlanstr	(Optional) all interfaces xml sessions
<i>if-vlan-str</i>	(Optional) ifindex or vlan id: xml key
<i>__readonly__</i>	(Optional)
<i>if-status</i>	(Optional) Interface/vlan status [active/inactive]: xml key
<i>in-pmap-qos</i>	(Optional) Input QoS Policy-map name: xml key
<i>out-pmap-qos</i>	(Optional) output QoS Policy-map name: xml key
<i>in-pmap-que</i>	(Optional) Input Que Policy-map name: xml key
<i>out-pmap-que</i>	(Optional) Output Que Policy-map name: xml key

Command Mode

- /exec

show pmap-int

show pmap-int { interface [<iface-list>] [input | output] [type <qos-or-q>] [detail] |

Syntax Description

show	Show running system information
pmap-int	Show policy maps
interface	Show service policy on interface
<i>iface-list</i>	(Optional) List of Interface
input	(Optional) Input Service policy
output	(Optional) Output Service policy
type	(Optional) Type of policy
<i>qos-or-q</i>	(Optional)
detail	(Optional) Detailed QoS or Queuing statistics

Command Mode

- /exec

show pnp lease

show pnp lease

Syntax Description

show	Show running system information
pnp	Plug and Play
lease	Show PnP lease information

Command Mode

- /exec

show pnp posix_pi configs

show pnp posix_pi configs

Syntax Description

show	Show running system information
pnp	Plug and Play
posix_pi	Posix PnP PI agent
configs	Posix PnP PI configuration

Command Mode

- /exec

show pnp posix_pi tech-support

show pnp posix_pi tech-support

Syntax Description

show	Show running system information
pnp	Plug and Play
posix_pi	Posix PnP PI agent
tech-support	Technical Support

Command Mode

- /exec

show pnp profiles

show pnp profiles

Syntax Description

show	Show running system information
pnp	Plug and Play
profiles	Show POSIX PnP Profile

Command Mode

- /exec

show pnp status

show pnp status

Syntax Description

show	Show running system information
pnp	Plug and Play
status	Show POSIX PnP Status

Command Mode

- /exec

show pnp summary

show pnp summary

Syntax Description

show	Show running system information
pnp	Plug and Play
summary	Show POSIX PnP Summary

Command Mode

- /exec

show pnp version

show pnp version

Syntax Description

show	Show running system information
pnp	Plug and Play
version	Show POSIX PnP Version

Command Mode

- /exec

show policy-map

```
show policy-map [ { [ type qos ] [ <pmap-name-qos> ] } | { type queuing [ <pmap-name-que> ] } ] [
__readonly__ { [ <display-all> ] [ TABLE_pmap [ <pmap-key> ] [ <type-spec> ] [ <yqos-or-q> ] [ <options>
] [ <pmap-name-out> ] [ <nq-xpmap-name> ] [ <desc> ] [ <nq-desc> ] [ TABLE_cmap [ <cmap-key> ] [
<type-cmap-spec> ] [ <xqos-or-q> ] [ <cmap-name> ] [ <nq-xcmap-name> ] [ TABLE_action [ <action-key>
] [ <nq-action-key> ] [ <serv-pol-type> ] [ <serv-pol-name> ] [ <cos-list> ] [ <qos-group-list> ] [ <protocol>
] [ <nq-pause> <timeout> <nq-size-in-bytes> <nq-xoff-bytes> <nq-xon-bytes> ] [ <pfc-cos-list> ] [
<pfc_rx_only> ] [ <cc> ] [ <thresh-units> ] [ <min-thresh> ] [ <max-thresh> ] [ <drop-prob> ] [ <iod> ] [
<mtu> ] [ <set-cos> ] [ <dpp> ] [ <dctcp-threshold> ] [ <queue-limit> ] [ <inner> ] [ <dlb-disable> ] [ <cos>
] [ <exp-val-imposition> ] [ <exp-val-topmost> ] [ <dscp-enum> ] [ <dscp> ] [ <prec-enum> ] [ <prec> ] [
<disc-class> ] [ <qos-group> ] [ <tmap-from> ] [ <tmap-to> ] [ <tmap-name> ] [ <avg-rate-type> ] [ <rate-units>
] [ <shape-rate> ] [ <min-rate-type> ] [ <min-rate-units> ] [ <shape-min-rate> ] [ <max-rate-type> ] [
<max-rate-units> ] [ <shape-max-rate> ] [ <threshold-units> ] [ <rise-threshold-units> ] [ <fall-threshold-units>
] [ <prio-level> ] [ <qlim-param-type> ] [ <qlim-param-val> ] [ <ooo> ] [ <size-units> ] [ <qlim-size> ] [
<qlim-enum-spec> ] [ <rdet-agg> ] [ <rdet-mode> ] [ <rdet-burst-opt> ] [ <rdet-mesh-opt> ] [ TABLE_rdet
<rdet-key> [ <rdet-values> ] [ <rdet-min-thresh> ] [ <rdet-size-units> ] [ <rdet-max-thresh> ] [ <rdet-drop-prob>
] [ <rdet-weight> ] [ <rdet-cap-average> ] [ <rdet-ecn> ] [ <rdet-nonecn-mode> ] [ TABLE_rdet_nonecn
<rdet-nonecn-key> [ <rdet-nonecn-min-thresh> ] [ <rdet-nonecn-size-units> ] [ <rdet-nonecn-max-thresh> ]
] [ <rdet-nonecn-drop-prob> ] ] [ <afd-mode> ] [ TABLE_afd <afd-key> [ <afd-values> ] [ <afd-size-units>
] [ <afd-queue-desired> ] [ <afd-ecn> ] ] [ <pause> <size-in-bytes> <xoff-bytes> <xon-bytes> ] [
<priority-group-number> ] [ <bw-units> ] [ <bw-rate> ] [ <rem-bw-units> ] [ <rem-bw-rate> ] [
<agg-policer-name> ] [ <cir-spec> ] [ <bc-spec> ] [ <be-spec> ] [ <cir-rate-units> ] [ <cir> ] [ <bc-size-units>
] [ <bc> ] [ <pir-rate-units> ] [ <pir> ] [ <be-size-units> ] [ <be> ] [ <cnf-col-cmap> ] [ <exc-col-cmap> ] [
TABLE_police <police-key> [ <cnf-act> ] [ <exc-act> ] [ <vio-act> ] [ <set-type> ] [ <enum-spec> ] [ <set-val>
] [ <ptmap-from> ] [ <ptmap-to> ] [ <ptmap-name> ] ] [ <burst-detect-enable> ] ] ] ] }
```

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	(Optional) Type of the policy-map
qos	(Optional) type qos
queuing	(Optional) type queuing
<i>pmap-name-qos</i>	(Optional) policy map name (type qos)
<i>pmap-name-que</i>	(Optional) policy map name (type queuing)
__readonly__	(Optional)
<i>display-all</i>	(Optional) Display all kinds of class-maps
TABLE_pmap	(Optional) all pmap xml sessions
<i>pmap-key</i>	(Optional) Policy-map name: xml key
TABLE_rdet	(Optional) all WRED sessions

TABLE_rdet_nonecn	(Optional) all WRED non ECN sessions
TABLE_afd	(Optional) all AFD sessions
TABLE_police	(Optional) all police actions
<i>police-key</i>	(Optional) police actions count: xml key
TABLE_cmap	(Optional) all cmap xml sessions
<i>cmap-key</i>	(Optional) Class-map name: xml key
TABLE_action	(Optional) all actions
<i>action-key</i>	(Optional) Actions count: xml key
<i>nq-action-key</i>	(Optional) Actions xcount: xml key
<i>yqos-or-q</i>	(Optional)
<i>options</i>	(Optional) match-first option
<i>pmap-name-out</i>	(Optional) Policy-map name
<i>desc</i>	(Optional) Description string
<i>nq-desc</i>	(Optional) Description xstring
<i>cmap-name</i>	(Optional) Class-map name
<i>nq-xpmap-name</i>	(Optional) Policy-map xname
<i>nq-xcmap-name</i>	(Optional) Class-map xname
<i>cos-list</i>	(Optional) List of class-of-service values
<i>qos-group-list</i>	(Optional) List of qos-group values
<i>protocol</i>	(Optional) protocol
<i>timeout</i>	(Optional) timeout value
<i>pfc-cos-list</i>	(Optional) List of class-of-service values
<i>cc</i>	(Optional) congestion control protocol
<i>thresh-units</i>	(Optional) Units of threshold - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>drop-prob</i>	(Optional) Drop Probability at Maximum Threshold value
<i>iod</i>	(Optional) IOD value
<i>mtu</i>	(Optional) MTU value
<i>set-cos</i>	(Optional) Set CoS value
<i>dpp</i>	(Optional) Dynamic Packet Prioritization Class

<i>dctcp-threshold</i>	(Optional) DCTCP threshold in bytes
<i>queue-limit</i>	(Optional) Queue size for the class
<i>pfrc_rx_only</i>	(Optional) Pause receive only mode is enabled
<i>xqos-or-q</i>	(Optional)
<i>serv-pol-type</i>	(Optional) Type of service policy referred to
<i>serv-pol-name</i>	(Optional) Name of policy-map referred to within this policy-map
<i>type-spec</i>	(Optional) Type of policy-map specified or not
<i>type-cmap-spec</i>	(Optional) Type of class-map specified or not
<i>inner</i>	(Optional) Specifies if tunnel or inner keywords are mentioned
<i>dlb-disable</i>	(Optional) Disable Dynamic Load Balancing
<i>cos</i>	(Optional) IEEE 802.1Q Class of Service value
<i>exp-val-imposition</i>	(Optional) MPLS EXP value of type imposition
<i>exp-val-topmost</i>	(Optional) MPLS EXP value of type topmost
<i>dscp</i>	(Optional) DSCP in IP(v4) and IPv6 packets
<i>dscp-enum</i>	(Optional)
<i>prec</i>	(Optional) Precedence in IP(v4) and IPv6 packets
<i>prec-enum</i>	(Optional)
<i>disc-class</i>	(Optional) Discard class
<i>qos-group</i>	(Optional) Qos-group
<i>tmap-from</i>	(Optional)
<i>tmap-to</i>	(Optional)
<i>tmap-name</i>	(Optional) Table map name
<i>ptmap-from</i>	(Optional)
<i>ptmap-to</i>	(Optional)
<i>ptmap-name</i>	(Optional) Table map name
<i>avg-rate-type</i>	(Optional) Specifies if average shape rate is specified
<i>rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
<i>min-rate-type</i>	(Optional) Specifies if minimum shape rate is specified
<i>min-rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us

<i>max-rate-type</i>	(Optional) Specifies if maximum shape rate is specified
<i>max-rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
<i>cir-rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps
<i>pir-rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps
<i>threshold-units</i>	(Optional) Threshold units in bytes/perc
<i>prio-level</i>	(Optional) Priority if specified
<i>qlim-param-type</i>	(Optional) Type of parameter for qlim - cos/prec/dscp/disc class/qosgrp
<i>qlim-param-val</i>	(Optional) Parameter value for qlimit
<i>qlim-size</i>	(Optional) Queue size for qlimit
<i>size-units</i>	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>rdet-size-units</i>	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>rdet-nonecn-size-units</i>	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>afd-size-units</i>	(Optional) Units of queue size - bytes/kbytes/mbytes
<i>bc-size-units</i>	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>be-size-units</i>	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>qlim-enum-spec</i>	(Optional) Whether qlimit parameter is specified in enum or not
<i>rdet-mode</i>	(Optional) Random-detect mode
<i>rdet-nonecn-mode</i>	(Optional) Random-detect non-ecn mode
<i>rdet-agg</i>	(Optional) Are the params for aggregate flow
<i>rdet-values</i>	(Optional) List of class-of-service values for random-detect
<i>rdet-drop-prob</i>	(Optional) Random-detect drop probability
<i>rdet-weight</i>	(Optional) Random-detect queue length weight
<i>rdet-cap-average</i>	(Optional) Random-detect cap-average
<i>rdet-ecn</i>	(Optional) Random-detect ECN
<i>rdet-burst-opt</i>	(Optional) Random-detect burst optimized
<i>rdet-mesh-opt</i>	(Optional) Random-detect mesh optimized
<i>rdet-nonecn-drop-prob</i>	(Optional) Random-detect non-ecn drop probability
<i>afd-mode</i>	(Optional) AFD mode
<i>afd-values</i>	(Optional) List of class-of-service values for AFD

<i>afd-ecn</i>	(Optional) AFD ECN
<i>pause</i>	(Optional) Pause value
<i>nq-pause</i>	(Optional) NQ Pause value
<i>priority-group-number</i>	(Optional) Priority group value
<i>bw-units</i>	(Optional) Bandwidth units
<i>rem-bw-units</i>	(Optional) Remaining bandwidth units
<i>rem-bw-rate</i>	(Optional) Remaining bandwidth rate
<i>agg-policer-name</i>	(Optional) Aggregate policer name
<i>cir-spec</i>	(Optional) Is CIR keyword specified
<i>bc-spec</i>	(Optional) Is Committed Burst keyword specified
<i>be-spec</i>	(Optional) Is Extended Burst keyword specified
<i>cnf-col-cmap</i>	(Optional) Conforming color class-map name
<i>exc-col-cmap</i>	(Optional) Exceeding color class-map name
<i>enum-spec</i>	(Optional) Is DSCP or PREC enum value specified
<i>cnf-act</i>	(Optional) Conform action (Police)
<i>exc-act</i>	(Optional) Exceed action (Police)
<i>vio-act</i>	(Optional) Violate action (Police)
<i>set-type</i>	(Optional) Type of set in police action
<i>set-val</i>	(Optional) Value of set type in police action
<i>ooo</i>	(Optional) Out-of-Order
<i>burst-detect-enable</i>	(Optional) Burst detect feature is enabled

Command Mode

- /exec

show policy-map interface control-plane

```
show policy-map interface control-plane { [ module <slot-no-in> [ class < cmap-name > ] ] [ class < cmap-name >
[ module <slot-no-in> ] ] } [ __readonly__ [ <scale-factor-cmd> ] <pmap-name> [ TABLE_cmap <cmap-key>
<cmap-name-out> <opt_any_or_all> [ TABLE_match <match-key> { [ access_grp <acc_grp_name> ] [
redirect <opt_match_redirect> ] [ exception <opt_match_excpt> ] [ protocol <opt_match_protocol> ] ] + ] [
<class-off-rate> <class-drop-rate> <class-pkts> <class-bytes> ] [ [ <set_vld_flg> ] { { cos [ inner ] <cos-val>
} | { dscp [ tunnel ] <dscp-val> } | { precedence [ tunnel1 ] <prec-val> } } ] [ <threshold> <level> ] [ [
<policer_show_flags> ] [ <cir> <opt_kbps_mbps_gbps_pps_cir> ] [ { percent <cir-perc> } ] [ <bc>
<opt_kbytes_mbytes_gbytes_bc> ] [ <pir> <opt_kbps_mbps_gbps_pps_pir> ] [ { percent1 <pir-perc> } ] [
<be> <opt_kbytes_mbytes_gbytes_be> ] ] [ TABLE_slot { <slot-no-out> { [ [ <conform-pkts> ] [
<conform-bytes> ] ] <conform-max-rate> <conform-avg-rate> [ <conform-max-rate-ts> ] [
<conform-max-rate-ts-json> ] [ { <opt_drop_transmit_conform> } ] { set-cos-transmit <set-cos-val> } | {
set-dscp-transmit <set-dscp-val> } | { set-prec-transmit <set-prec-val> } ] [ { [ [ <exceed-pkts> ] <exceed-bytes>
] } { [ <opt_drop_transmit_exceed> } ] | { set dscp1 dscp2 table cir-markdown-map } } } ] [ [ <violate-pkts> |
<violate-bytes> ] <violate-max-rate> <violate-avg-rate> [ <violate-max-rate-ts> ] [ <violate-max-rate-ts-json>
] ] [ { <opt_drop_transmit_violate> } ] { set1 dscp3 dscp4 table1 pir-markdown-map } } } } ] ] ]
```

Syntax Description

show	Show running system information
policy-map	Show policy maps
interface	Show service policy on interface
control-plane	command is for copp policy
module	(Optional) module number for statistics
class	(Optional) class-name name
<i>cmap-name</i>	(Optional) Name of the class-map
<i>pmap-name</i>	(Optional) Name of the Policy-map
__readonly__	(Optional)
<i>scale-factor-cmd</i>	(Optional) Scale factor command
TABLE_cmap	(Optional) all cmap xml sessions
<i>cmap-key</i>	(Optional) Class-map key : XML output
<i>cmap-name-out</i>	(Optional) Name of the output class-map
<i>opt_any_or_all</i>	(Optional) Enter match-any or match-all
TABLE_match	(Optional) all match xml sessions
<i>match-key</i>	(Optional) Match key : XML output
access_grp	(Optional)

<i>acc_grp_name</i>	(Optional)
redirect	(Optional)
<i>opt_match_redirect</i>	(Optional) Match criteria for redirected packets
exception	(Optional)
<i>opt_match_except</i>	(Optional) Match criteria for exception packets
protocol	(Optional)
<i>opt_match_protocol</i>	(Optional) Match criteria for protocol packets
<i>set_vld_flg</i>	(Optional) Set valid flag
cos	(Optional)
inner	(Optional)
<i>cos-val</i>	(Optional) Set cos val
dscp	(Optional)
tunnel	(Optional)
<i>dscp-val</i>	(Optional) Set dscp val
precedence	(Optional)
tunnell	(Optional)
<i>prec-val</i>	(Optional) Set prec val
<i>policer_show_flags</i>	(Optional) Policer show flags
<i>level</i>	(Optional) syslog severity level
<i>opt_kbps_mbps_gbps_pps_cir</i>	(Optional) Units
percent	(Optional)
<i>opt_kbps_mbps_gbps_pps_pir</i>	(Optional) Units
percent1	(Optional)
<i>opt_kbytes_mbytes_gbytes_bc</i>	(Optional) Units
<i>opt_kbytes_mbytes_gbytes_be</i>	(Optional) Units
TABLE_slot	(Optional) all slot-num : XML output
<i>slot-no-in</i>	(Optional) input slot no
<i>slot-no-out</i>	(Optional) output slot no
<i>conform-max-rate-ts-json</i>	(Optional)

<i>violate-max-rate-ts-json</i>	(Optional)
<i>opt_drop_transmit_conform</i>	(Optional) Set the action
set-cos-transmit	(Optional)
<i>set-cos-val</i>	(Optional) Conform action cos val
set-dscp-transmit	(Optional)
<i>set-dscp-val</i>	(Optional) Conform action dscp val
set-prec-transmit	(Optional)
<i>set-prec-val</i>	(Optional) Conform action prec val
<i>opt_drop_transmit_exceed</i>	(Optional) Set the action
set	(Optional)
dscp1	(Optional)
dscp2	(Optional)
table	(Optional)
cir-markdown-map	(Optional)
<i>opt_drop_transmit_violate</i>	(Optional) Set the action
set1	(Optional)
dscp3	(Optional)
dscp4	(Optional)
table1	(Optional)
pir-markdown-map	(Optional)

Command Mode

- /exec

show policy-map system

```
show policy-map system [ type { network-qos | qos [ input2 ] queuing [ input | output ] } ] [ __readonly__
{ [ <display-all> ] [ TABLE_xpmap <xpmap-name> [ <desc> ] [ TABLE_xcmap <xcmap-name> [
TABLE_xmatch <xmatch-key> [ <xcos-list> ] [ <xqos-group-list> ] [ <xprotocol> ] ] [ TABLE_xaction
<xaction-key> [ <cos-list> ] [ <qos-group-list> ] [ <protocol> ] [ <pause> <timeout> <size-in-bytes>
<xoff-bytes> <xon-bytes> ] [ <pfc-cos-list> ] [ <pfc_rx_only> ] [ <cc> ] [ <thresh-units> ] [ <min-thresh> ]
[ <max-thresh> ] [ <drop-prob> ] [ <iod> ] [ <mtu> ] [ <set-cos> ] [ <dpp> ] [ <dctcp-threshold> ] [
<queue-limit> ] [ <stat-en-dis-enum> ] ] ] ] [ TABLE_pmap <pmap-key> <pmap-inner-outer> <in-or-out>
<yqos-or-q> [ <options> ] <pmap-name> [ <stat-status-enum> ] [ TABLE_cmap <cmap-key> [ <xqos-or-q>
] <match-opts> <cmap-name> [ TABLE_slot <slot-key> [ <slot-num> ] [ <class-pkts> ] [ <class-bytes> ] [
<class-off-rate> ] ] [ <class-drop-rate> ] [ <agg-forward> ] [ <class-agg-bytes> ] [ TABLE_match <match-key>
[ <not> ] [ <inner> ] [ <cos-list> ] [ <dscp-list> ] [ <exp-value-top> ] [ <protocol-name> ] [
<match-cmap-xqos-or-q> ] [ <match-cmap-opts> ] [ <match-cmap-name> ] ] ] [ TABLE_action <action-key>
[ <set-inner> ] [ <cos> ] [ <qos-group> ] [ <serv-pol-type> ] [ <serv-pol-name> ] [ <serv-pol-return-inout> ]
[ <rate-units> ] [ <shape-rate> ] [ <min-rate-type> ] [ <min-rate-units> ] [ <max-rate-type> ] [ <max-rate-units>
] [ <shape-min-rate> ] [ <shape-max-rate> ] [ <prio-level> ] [ <qlim-param-type> ] [ <qlim-param-val> ] [
<size-units> ] [ <qlim-size> ] [ <qlim-enum-spec> ] [ <bw-units> ] [ <bw-rate> ] [ <rem-bw-units> ] [
<rem-bw-rate> ] [ <threshold-units> ] [ <rise-threshold-units> ] [ <fall-threshold-units> ] [ <rdet-agg> ] [
<rdet-mode> ] [ <rdet-burst-opt> ] [ <rdet-mesh-opt> ] [ TABLE_rdet <rdet-key> [ <rdet-values> ] [
<rdet-min-thresh> ] [ <rdet-size-units> ] [ <rdet-max-thresh> ] [ <rdet-drop-prob> ] [ <rdet-weight> ] [
<rdet-cap-average> ] ] [ <rdet-ecn> ] [ <afd-mode> ] [ TABLE_afd <afd-key> [ <afd-values> ] [
<afd-size-units> ] [ <afd-queue-desired> ] [ <afd-ecn> ] ] [ <pause> <size-in-bytes> <xoff-bytes> <xon-bytes>
] ] ] ] }
```

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	(Optional) Type of the policy-map
system	Active policy in the system
network-qos	(Optional) type network-qos
qos	(Optional) type qos
input2	(Optional) input policy
queuing	(Optional) type queuing
input	(Optional) input policy
output	(Optional) output policy
__readonly__	(Optional)
<i>display-all</i>	(Optional) Display all network-qos policy-maps
TABLE_xpmap	(Optional) all xpmap xml sessions

<i>xpmap-name</i>	(Optional) Policy-map name
TABLE_xcmap	(Optional) all xcmap xml sessions
<i>xcmap-name</i>	(Optional) Class-map name
TABLE_xmatch	(Optional) all match xml sessions
<i>xmatch-key</i>	(Optional) match count: xml key
<i>xcos-list</i>	(Optional) List of class-of-service values
<i>xqos-group-list</i>	(Optional) List of qos-group values
<i>xprotocol</i>	(Optional) xprotocol
TABLE_xaction	(Optional) all network-qos actions
<i>xaction-key</i>	(Optional) network-qos actions count: xml key
TABLE_pmap	(Optional) all pmap xml sessions
<i>pmap-key</i>	(Optional) Policy-map name: xml key
TABLE_cmap	(Optional) all cmap xml sessions
<i>cmap-key</i>	(Optional) Class-map name: xml key
TABLE_action	(Optional) all actions
<i>action-key</i>	(Optional) Actions count: xml key
TABLE_match	(Optional) all match xml sessions
<i>match-key</i>	(Optional) match count: xml key
TABLE_rdet	(Optional) all WRED sessions
TABLE_afd	(Optional) all AFD sessions
<i>stat-en-dis-enum</i>	(Optional)
<i>in-or-out</i>	(Optional)
<i>yqos-or-q</i>	(Optional)
<i>stat-status-enum</i>	(Optional)
<i>desc</i>	(Optional) Description string
<i>thresh-units</i>	(Optional) Units of threshold - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>drop-prob</i>	(Optional) Drop Probability at Maximum Threshold value
<i>pause</i>	(Optional) Pause value
<i>pfc-cos-list</i>	(Optional) List of class-of-service values

<i>pfrc_rx_only</i>	(Optional) Pause receive only mode enabled
<i>timeout</i>	(Optional) timeout value
<i>cc</i>	(Optional) congestion control protocol
<i>iod</i>	(Optional) IOD value
<i>mtu</i>	(Optional) MTU value
<i>set-cos</i>	(Optional) Set CoS value
<i>dpp</i>	(Optional) Dynamic Packet Prioritization Class
<i>queue-limit</i>	(Optional) Queue size for the class
<i>protocol-name</i>	(Optional) protocol name
<i>protocol</i>	(Optional) protocol
<i>dctcp-threshold</i>	(Optional) DCTCP threshold in bytes
<i>cos-list</i>	(Optional) List of class-of-service values
<i>dscp-list</i>	(Optional) List of DSCP values
<i>exp-value-top</i>	(Optional) List of MPLS exp values
<i>qos-group</i>	(Optional) QoS Group Value
<i>qos-group-list</i>	(Optional) List of qos-group values
<i>options</i>	(Optional) match-first option
<i>pmap-name</i>	(Optional) Policy-map name
<i>pmap-inner-outer</i>	(Optional) Inner or Outer policy-map
<i>serv-pol-return-inout</i>	(Optional) Inner or Outer policy-map
<i>cmap-name</i>	(Optional) Class-map name
<i>xqos-or-q</i>	(Optional)
<i>match-opts</i>	(Optional) Type of match in class-map
<i>match-cmap-xqos-or-q</i>	(Optional)
<i>match-cmap-opts</i>	(Optional) Type of match in class-map
<i>not</i>	(Optional) Negate this match result
<i>inner</i>	(Optional) Specifies if tunnel or inner keywords are mentioned
<i>cos-list</i>	(Optional) List of class-of-service values
<i>match-cmap-name</i>	(Optional) class-map name

<i>serv-pol-type</i>	(Optional) Type of service policy referred to
<i>serv-pol-name</i>	(Optional) Name of policy-map referred to within this policy-map
<i>set-inner</i>	(Optional) Specifies if tunnel or inner keywords are mentioned
<i>cos</i>	(Optional) IEEE 802.1Q Class of Service value
<i>rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
<i>min-rate-type</i>	(Optional) Specifies if minimum shape rate is specified
<i>min-rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
<i>max-rate-type</i>	(Optional) Specifies if maximum shape rate is specified
<i>max-rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
<i>prio-level</i>	(Optional) Priority if specified
<i>qlim-param-type</i>	(Optional) Type of parameter for qlim - cos/prec/dscp/disc class/qosgrp
<i>qlim-param-val</i>	(Optional) Parameter value for qlimit
<i>qlim-size</i>	(Optional) Queue size for qlimit
<i>size-units</i>	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>qlim-enum-spec</i>	(Optional) Whether qlimit parameter is specified in enum or not
<i>rdet-size-units</i>	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>afd-size-units</i>	(Optional) Units of queue size - bytes/kbytes/mbytes
<i>bw-units</i>	(Optional) Bandwidth units
<i>rem-bw-units</i>	(Optional) Remaining bandwidth units
<i>rem-bw-rate</i>	(Optional) Remaining bandwidth rate
<i>threshold-units</i>	(Optional) Threshold units in bytes/percent
<i>rdet-values</i>	(Optional) List of class-of-service values for random-detect
<i>rdet-agg</i>	(Optional) Are the params for aggregate flow
<i>rdet-mode</i>	(Optional) Random-detect mode
<i>rdet-drop-prob</i>	(Optional) Random-detect drop probability
<i>rdet-weight</i>	(Optional) Random-detect queue length weight
<i>rdet-cap-average</i>	(Optional) Random-detect cap-average
<i>rdet-ecn</i>	(Optional) Random-detect ECN
<i>rdet-burst-opt</i>	(Optional) Random-detect burst optimized

<i>rdet-mesh-opt</i>	(Optional) Random-detect mesh optimized
<i>afd-mode</i>	(Optional) AFD mode
<i>afd-values</i>	(Optional) List of class-of-service values for afd
<i>afd-ecn</i>	(Optional) AFD ECN
<i>pause</i>	(Optional) Pause value
<i>slot-num</i>	(Optional) the slot number
<i>agg-forward</i>	(Optional) prints out aggregate forward
TABLE_slot	(Optional) all slot xml sessions
<i>slot-key</i>	(Optional) slot count: xml key

Command Mode

- /exec

exception	(Optional)
<i>opt_match_except</i>	(Optional) Match criteria for exception packets
protocol	(Optional)
<i>opt_match_protocol</i>	(Optional) Match criteria for protocol packets
TABLE_set_action	(Optional) Table of set action
<i>set_vld_flg</i>	(Optional) Set valid flag
<i>level</i>	(Optional) syslog severity level
<i>opt_kbps_mbps_gbps_pps_cir</i>	(Optional) Units
percent	(Optional)
<i>opt_kbps_mbps_gbps_pps_pir</i>	(Optional) Units
percent1	(Optional)
<i>opt_kbytes_mbytes_gbytes_bc</i>	(Optional) Units
<i>opt_kbytes_mbytes_gbytes_be</i>	(Optional) Units
<i>opt_drop_transmit_conform</i>	(Optional) Set the action
set-cos-transmit	(Optional)
<i>set-cos-val</i>	(Optional) Conform action cos val
set-dscp-transmit	(Optional)
<i>set-dscp-val</i>	(Optional) Conform action dscp val
set-prec-transmit	(Optional)
<i>set-prec-val</i>	(Optional) Conform action prec val
<i>opt_drop_transmit_exceed</i>	(Optional) Set the action
set	(Optional)
dscp1	(Optional)
dscp2	(Optional)
table	(Optional)
cir-markdown-map	(Optional)
<i>opt_drop_transmit_violate</i>	(Optional) Set the action
set1	(Optional)
dscp3	(Optional)

dscp4	(Optional)
table1	(Optional)
pir-markdown-map	(Optional)
cos	(Optional)
inner	(Optional)
<i>cos-val</i>	(Optional) Set cos val
dscp	(Optional)
tunnel	(Optional)
<i>dscp-val</i>	(Optional) Set dscp val
precedence	(Optional)
tunnel1	(Optional)
<i>prec-val</i>	(Optional) Set prec val
<i>policer_show_flags</i>	(Optional) Policer show flags

Command Mode

- /exec

show policy-map type network-qos

```
show policy-map type network-qos [ <pmap-name-nq> ] [ __readonly__ { [ <display-all> ] [ TABLE_xpmap
<xpmap-name> [ <desc> ] [ TABLE_xcmap <xcmap-name> [ TABLE_xmatch <xmatch-key> [ <xcos-list>
] [ <xqos-group-list> ] [ <xprotocol> ] ] [ TABLE_action <action-key> [ <cos-list> ] [ <qos-group-list> ] [
<protocol> ] [ <pause> <timeout> <size-in-bytes> <xoff-bytes> <xon-bytes> ] [ <pfc-cos-list> ] [
<pfc_rx_only> ] [ <cc> ] [ <thresh-units> ] [ <min-thresh> ] [ <max-thresh> ] [ <drop-prob> ] [ <iod> ] [
<mtu> ] [ <set-cos> ] [ <dpp> ] [ <dctcp-threshold> ] [ <queue-limit> ] ] ] ] }
```

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
<i>pmap-name-nq</i>	(Optional) Policy-map name
network-qos	type network-qos
<i>__readonly__</i>	(Optional)
<i>display-all</i>	(Optional) Display all network-qos policy-maps
TABLE_xpmap	(Optional) all xpmap xml sessions
<i>xpmap-name</i>	(Optional) Policy-map name
TABLE_xcmap	(Optional) all xcmap xml sessions
<i>xcmap-name</i>	(Optional) Class-map name
TABLE_xmatch	(Optional) all match xml sessions
<i>xmatch-key</i>	(Optional) match count: xml key
<i>xcos-list</i>	(Optional) List of class-of-service values
<i>xqos-group-list</i>	(Optional) List of qos-group values
<i>xprotocol</i>	(Optional) xprotocol
TABLE_action	(Optional) all actions
<i>action-key</i>	(Optional) Actions count: xml key
<i>desc</i>	(Optional) Description string
<i>cos-list</i>	(Optional) List of class-of-service values
<i>qos-group-list</i>	(Optional) List of qos-group values
<i>protocol</i>	(Optional) protocol

<i>pause</i>	(Optional) Pause value
<i>timeout</i>	(Optional) timeout value
<i>pfc-cos-list</i>	(Optional) List of class-of-service values
<i>cc</i>	(Optional) congestion control protocol
<i>thresh-units</i>	(Optional) Units of threshold - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>drop-prob</i>	(Optional) Drop Probability at Maximum Threshold value
<i>iod</i>	(Optional) IOD value
<i>mtu</i>	(Optional) MTU value
<i>set-cos</i>	(Optional) Set CoS value
<i>dpp</i>	(Optional) Dynamic Packet Prioritization Class
<i>dctcp-threshold</i>	(Optional) DCTCP threshold in bytes
<i>queue-limit</i>	(Optional) Queue size for the class
<i>pfc_rx_only</i>	(Optional) Pause receive only mode is enabled

Command Mode

- /exec

show port-channel capacity

show port-channel capacity [*__readonly__* <total> <used> <free> <percentage_used>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
capacity	Capacity information
<i>__readonly__</i>	(Optional)
<i>total</i>	(Optional) Total resource
<i>used</i>	(Optional) Used resource
<i>free</i>	(Optional) Free resource
<i>percentage_used</i>	(Optional) Used resource in percentage

Command Mode

- /exec

show port-channel compatibility-parameters

```
show port-channel compatibility-parameters [ __readonly__ { TABLE_compatibility <parameter> <description> } + ]
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
compatibility-parameters	Show compatibility parameters
__readonly__	(Optional)
TABLE_compatibility	(Optional) Port-channel compatibility table
<i>parameter</i>	(Optional) Compatibility parameter
<i>description</i>	(Optional) Parameter description

Command Mode

- /exec

show port-channel database

```
show port-channel database [ interface <if0> ] [ __readonly__ TABLE_interface <interface>
<last-membership-update> <total-ports> <total-up-ports> [ <first_operational-port> ] <age-of-channel> [
<time-since-last-bundle> ] [ <last-bundled-member> ] [ <time-since-last-unbundle> ] [
<last-unbundled-member> ] [ { TABLE_member <port> <mode> <port-status> } ] [ <protocol> ] ]
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
database	Show port-channel database
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_interface	(Optional) Port-channel table
<i>interface</i>	(Optional) Port channel
<i>mode</i>	(Optional) channel-group mode
<i>last-membership-update</i>	(Optional) Last membership update
<i>total-ports</i>	(Optional) Total number of member ports
<i>total-up-ports</i>	(Optional) Total number of UP member ports
<i>first_operational-port</i>	(Optional) First operational port
TABLE_member	(Optional) Member ports info
<i>port</i>	(Optional) Member port
<i>port-status</i>	(Optional) Member port status
<i>age-of-channel</i>	(Optional) Age of port channel
<i>time-since-last-bundle</i>	(Optional) Time since last port bundled
<i>last-bundled-member</i>	(Optional) Last bundled member port
<i>time-since-last-unbundle</i>	(Optional) Time since last port un-bundled
<i>last-unbundled-member</i>	(Optional) Last unbundled member port
<i>protocol</i>	(Optional) Port channel protocol

Command Mode

- /exec

show port-channel fast-convergence

show port-channel fast-convergence [__readonly__ { port-channel fast-convergence <fastconvergence> }]

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
fast-convergence	Show port-channel fast-convergence status
__readonly__	(Optional)
<i>fastconvergence</i>	(Optional) port channel fast convergence enable/disable

Command Mode

- /exec

show port-channel load-balance

```
show port-channel load-balance [ [ module <module> ] | { fex { all } } ] [ __readonly__ [ <sys-cfg> ] + [ <sys-cfg-sel> ] [ { <module-cfg> } ] + <non-ip-val> <non-ip-sel> <ipv4-val> <ipv4-sel> [ <ipv6-val> ] [ <ipv4-encap> ] { TABLE_mod_configs [ <mod-number> ] <mod-non-ip-val> <mod-non-ip-sel> <mod-ipv4-val> <mod-ipv4-sel> [ <mod-ipv4-encap> ] } ]
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
load-balance	Show port-channel load balance
module	(Optional) slot
<i>module</i>	(Optional) Specify a module number
fex	FEX devices
all	Display all configured FEX port-channel LB
<u>__readonly__</u>	(Optional)
<i>sys-cfg</i>	(Optional) system wide load balance configuraton
<i>sys-cfg-sel</i>	(Optional) system config
<i>module-cfg</i>	(Optional) per module load balance configuraton
<i>non-ip-val</i>	(Optional) load balance setting for non-ip traffic
<i>non-ip-sel</i>	(Optional) non ip select
<i>ipv4-val</i>	(Optional) load balance setting for ipv4 traffic
<i>ipv4-sel</i>	(Optional) ip select
<i>ipv6-val</i>	(Optional) load balance setting for ipv6 traffic
<i>ipv4-encap</i>	(Optional) encapsulation
TABLE_mod_configs	(Optional) module configurations
<i>mod-number</i>	(Optional) module number
<i>mod-non-ip-val</i>	(Optional) load balance setting for non-ip traffic
<i>mod-non-ip-sel</i>	(Optional) non ip select
<i>mod-ipv4-val</i>	(Optional) load balance setting for ipv4 traffic
<i>mod-ipv4-sel</i>	(Optional) ip select

<i>mod-ipv4-encap</i>	(Optional) encapsulation
-----------------------	--------------------------

Command Mode

- /exec

show port-channel load-balance forwarding-path1 interface src-interface

```
show port-channel load-balance forwarding-path1 interface <ch-id> src-interface <src-if> { vlan <vlan-id> |
src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> | dst-ipv6
<dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ether-type <ethertype> | ip-prot <prot> }
+ [ __readonly__ { loadbalance-algorithm <algorithm> } { outgoing-port-id <port> } ]
```

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
forwarding-path1	Packet forwarding information
interface	Specify a port-channel number
<i>ch-id</i>	Port-Channel name
vlan	VLAN - for dot1Q tagged packets at ingress
<i>vlan-id</i>	VLAN ID
src-mac	Source MAC Address
<i>src-mac</i>	Source MAC address
dst-mac	Destination MAC Address
<i>dst-mac</i>	Destination MAC address
src-ip	Source IP address
<i>src-ip</i>	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
l4-src-port	Source Port
<i>l4-src-port</i>	Source L4 port
l4-dst-port	Destination Port
<i>l4-dst-port</i>	Destination L4 port

ether-type	Ethernet Type
<i>ethertype</i>	Ethernet Type
src-interface	Optional source interface (physical switch port only)
<i>src-if</i>	Interface name
ip-proto	IP v4/v6 Protocol
<i>prot</i>	IP Protocol
__readonly__	(Optional)
loadbalance-algorithm	(Optional) load balance algorithm
<i>algorithm</i>	(Optional) algorithm
outgoing-port-id	(Optional) outgoing port-id
<i>port</i>	(Optional) port

Command Mode

- /exec

show port-channel load-balance forwarding-path interface

```
show port-channel load-balance forwarding-path { interface <ch-id> | hgig } { src-interface <src-if> | vlan
<vlan-id> | src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> |
dst-ipv6 <dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ethertype <ethertype> | protocol
<prot> | gtp-teid <gtp-teid> | ipv6-flow-label <ipv6-flow-label> } + [ module <module> | fex <fex-range> |
hgig-tgid <tgid> ] + [ source-interface <if-id> ] [ __readonly__ { loadbalance-algorithm <algorithm> } {
outgoing-port-id <port> } ]
```

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
forwarding-path	Packet forwarding information
interface	Specify a port-channel number
<i>ch-id</i>	Port-Channel name
hgig	Hgig hashing result (only with RTAG7)
vlan	VLAN of the ingress packet i.e. when available
<i>vlan-id</i>	
src-mac	Source MAC Address
<i>src-mac</i>	Source MAC address
dst-mac	Destination MAC Address
<i>dst-mac</i>	Destination MAC address
src-ip	Source IPv4 address
<i>src-ip</i>	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
l4-src-port	Source L4 port
<i>l4-src-port</i>	Source L4 port
l4-dst-port	Destination l4 port

<i>l4-dst-port</i>	Destination L4 port
ethertype	Ethertype of the packet stream
<i>ethertype</i>	
src-interface	Optional source interface (physical switch port only)
<i>src-if</i>	Interface name
source-interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>if-id</i>	(Optional) Interface name
protocol	Protocol
<i>prot</i>	
gtp-teid	gtp-teid
<i>gtp-teid</i>	gtp-teid
ipv6-flow-label	ipv6-flow-label
<i>ipv6-flow-label</i>	ipv6-flow-label
module	(Optional) Module #
<i>module</i>	(Optional)
fex	(Optional) FEX devices
<i>fex-range</i>	(Optional) FEX device range
hgig-tgid	(Optional) Hgig #
<i>tgid</i>	(Optional)
__readonly__	(Optional)
loadbalance-algorithm	(Optional) load balance algorithm
<i>algorithm</i>	(Optional) load balance algorithm
outgoing-port-id	(Optional) outgoing port-id
<i>port</i>	(Optional) outgoing port-id

Command Mode

- /exec

show port-channel load-balance hardware forwarding-path interface source

```
show port-channel load-balance hardware forwarding-path { interface <ch-id> | hgig } { source-interface <if-id> } { vlan <vlan-id> | src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> | dst-ipv6 <dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ethertype <ethertype> | protocol <prot> } + [ module <module> | fex <fex-range> | hgig-tgid <tgid> ] [ __readonly__ { loadbalance-algorithm <algorithm> } { outgoing-port-id <port> } ]
```

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
hardware	ASIC hardware based information
forwarding-path	Packet forwarding information
interface	Specify a port-channel number
<i>ch-id</i>	Port-Channel name
hgig	Higig hashing result (only with RTAG7)
source-interface	Source interface - Required paramter
<i>if-id</i>	Interface name
vlan	VLAN of the ingress packet i.e. when available
<i>vlan-id</i>	
src-mac	Source MAC Address
<i>src-mac</i>	Source MAC address
dst-mac	Destination MAC Address
<i>dst-mac</i>	Destination MAC address
src-ip	Source IPv4 address
<i>src-ip</i>	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address

l4-src-port	Source L4 port
<i>l4-src-port</i>	Source L4 port
l4-dst-port	Destination l4 port
<i>l4-dst-port</i>	Destination L4 port
ethertype	Ethertype of the packet stream
<i>ethertype</i>	
protocol	Protocol
<i>prot</i>	
module	(Optional) Module #
<i>module</i>	(Optional)
fex	(Optional) FEX devices
<i>fex-range</i>	(Optional) FEX device range
hgig-tgid	(Optional) Hgig #
<i>tgid</i>	(Optional)
__readonly__	(Optional)
loadbalance-algorithm	(Optional) load balance algorithm
<i>algorithm</i>	(Optional) load balance algorithm
outgoing-port-id	(Optional) outgoing port-id
<i>port</i>	(Optional) outgoing port-id

Command Mode

- /exec

show port-channel rbh-distribution

```
show port-channel rbh-distribution [ interface <if0> ] [ __readonly__ TABLE_channel <chan-id> <port> {
<rbh> } + <num_of_buckets> ]
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
rbh-distribution	Show RBH distribution for member ports
interface	(Optional) Specify a port-channel interface
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional)
TABLE_channel	(Optional) Port-channel table
<i>chan-id</i>	(Optional) Channel ID
<i>port</i>	(Optional) Member port
<i>num_of_buckets</i>	(Optional) Channel ID
<i>rbh</i>	(Optional) Channel ID

Command Mode

- /exec

show port-channel scale-fanout

show port-channel scale-fanout [__readonly__ { port-channel high-density <scalefanout> }]

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
scale-fanout	Enable/disable port-channel scale-fanout when ports span more than 16 ASIC units
__readonly__	(Optional)
high-density	(Optional) port channel high density
<i>scalefanout</i>	(Optional) port channel scale fanout enable/disable

Command Mode

- /exec

show port-channel summary

```
show port-channel [ extended-list ] summary [ interface <if0> | controller ] [ __readonly__ TABLE_channel
<group> <port-channel> <layer> <status> <type> <prtcl> [ { TABLE_member <port> <port-status> } ] ]
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
extended-list	(Optional) Show port-channels from extended range
summary	Show port-channel summary
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)
controller	(Optional) Show controller configured port-channels
__readonly__	(Optional)
TABLE_channel	(Optional) Port-channel table
<i>group</i>	(Optional) Channel group number
<i>port-channel</i>	(Optional) Port channel
<i>type</i>	(Optional) Channel type
<i>prtcl</i>	(Optional) Channel protocol
<i>status</i>	(Optional) Channel status
<i>layer</i>	(Optional) Channel layer info
TABLE_member	(Optional) Member table
<i>port</i>	(Optional) Member port
<i>port-status</i>	(Optional) Member port status

Command Mode

- /exec

show port-channel traffic

```
show port-channel traffic [ interface <if0> ] [ __readonly__ TABLE_channel <chanId> <port> <rx-ucst>
<tx-ucst> <rx-mcst> <tx-mcst> <rx-bcst> <tx-bcst> ]
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
traffic	Show port-channel traffic statistics
__readonly__	(Optional)
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)
TABLE_channel	(Optional) Port-channel table
<i>chanId</i>	(Optional) Channel ID
<i>port</i>	(Optional) Member port
<i>rx-ucst</i>	(Optional) Received unicast
<i>tx-ucst</i>	(Optional) Transmitted unicast
<i>rx-mcst</i>	(Optional) Received multicast
<i>tx-mcst</i>	(Optional) Transmitted multicast
<i>rx-bcst</i>	(Optional) Received broadcast
<i>tx-bcst</i>	(Optional) Transmitted broadcast

Command Mode

- /exec

show port-channel usage

```
show port-channel usage [ __readonly__ <total-channel-number-used> { <used-range-low> [ <used-range-hi>
] } + { <unused-range-low> [ <unused-range-hi> ] } + ]
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
usage	Show port-channel number usage
<i>__readonly__</i>	(Optional)
<i>total-channel-number-used</i>	(Optional) Total used number of port-channels
<i>used-range-low</i>	(Optional) Used range low end value
<i>used-range-hi</i>	(Optional) Used range high end value
<i>unused-range-low</i>	(Optional) Un-used range low end value
<i>unused-range-hi</i>	(Optional) Un-used range high end value

Command Mode

- /exec

show port-license

```
show port-license [ __readonly__ <consumed_port_licenses> [ TABLE_portlicense <interface> <cookie>
<port_activation_license> ] ]
```

Syntax Description

show	Show running system information
port-license	Show port license information
<i>__readonly__</i>	(Optional)
<i>consumed_port_licenses</i>	(Optional) Consumed port licenses
TABLE_portlicense	(Optional) port and licenses
<i>interface</i>	(Optional) interface name
<i>cookie</i>	(Optional) cookie
<i>port_activation_license</i>	(Optional) license state

Command Mode

- /exec

show port-profile

```
show port-profile [ name <all_profile_name> ] [ __readonly__ TABLE_port_profile_all <profile_name> [
<profile_id> ] <type> [ <desc> ] [ <status> ] [ <max_ports> ] [ <min_ports> ] [ <inherit> ] [ <profile_cfg> ]
+ [ <cmd_depth> ] [ <cmd_key> ] [ <parent_seqno> ] [ <cmd_seqno> ] [ <cmd_attr> ] [ <form_type> ] [
<cmd_mask> ] [ <shadow_cmd> ] [ <cmd_flags> ] [ <eval_cfg> ] + [ <intf> ] + [ <cap_l3> ] [ <cap_iscsi>
] [ <ctrl_sgid> ] [ <pkt_sgid> ] [ <sys_vlans> ] [ <portgrp> ] [ <pprole> ] [ <port_binding> ] ]
```

Syntax Description

show	Show running system information
port-profile	Show port-profile
name	(Optional) port-profile name
<i>all_profile_name</i>	(Optional) Enter the name of the profile
<i>__readonly__</i>	(Optional)
TABLE_port_profile_all	(Optional)
<i>profile_name</i>	(Optional)
<i>profile_id</i>	(Optional)
<i>type</i>	(Optional)
<i>desc</i>	(Optional)
<i>status</i>	(Optional)
<i>max_ports</i>	(Optional)
<i>min_ports</i>	(Optional)
<i>inherit</i>	(Optional)
<i>profile_cfg</i>	(Optional)
<i>cmd_depth</i>	(Optional)
<i>cmd_key</i>	(Optional)
<i>parent_seqno</i>	(Optional)
<i>cmd_seqno</i>	(Optional)
<i>cmd_attr</i>	(Optional)
<i>form_type</i>	(Optional)
<i>cmd_mask</i>	(Optional)
<i>shadow_cmd</i>	(Optional)

<i>cmd_flags</i>	(Optional)
<i>eval_cfg</i>	(Optional)
<i>intf</i>	(Optional)
<i>cap_l3</i>	(Optional) L3 Profile
<i>cap_iscsi</i>	(Optional) iSCSI cap
<i>ctrl_sgid</i>	(Optional) Control Vlan Pinned Sgid
<i>pkt_sgid</i>	(Optional) Packet Vlan Pinned Sgid
<i>sys_vlans</i>	(Optional) System Vlans
<i>portgrp</i>	(Optional) VMware Portgroup
<i>pprole</i>	(Optional) Port-profile Role
<i>port_binding</i>	(Optional) Port-binding

Command Mode

- /exec

show port-profile brief

```
show port-profile brief [ __readonly__ { TABLE_port_profile [ <profile_name> ] [ <type> ] [ <status> ] [
<profile_cfg_cnt> ] [ <eval_cfg_cnt> ] [ <intf_cnt> ] [ <inherit_cnt> ] [ <header_flag> ] } { TABLE_intf_count
[ <intf_type> ] [ <intf_count> ] [ <tot_header_flag> ] } ]
```

Syntax Description

show	Show running system information
port-profile	Show port-profile
brief	Brief info about profiles
<i>__readonly__</i>	(Optional)
<i>profile_name</i>	(Optional)
TABLE_port_profile	(Optional)
<i>type</i>	(Optional)
<i>status</i>	(Optional)
<i>profile_cfg_cnt</i>	(Optional)
<i>eval_cfg_cnt</i>	(Optional)
<i>intf_cnt</i>	(Optional)
<i>inherit_cnt</i>	(Optional)
<i>header_flag</i>	(Optional)
TABLE_intf_count	(Optional)
<i>intf_type</i>	(Optional)
<i>intf_count</i>	(Optional)
<i>tot_header_flag</i>	(Optional)

Command Mode

- /exec

show port-profile expand-interface

```
show port-profile expand-interface [ name <all_profile_name> ] [ __readonly__ TABLE_port_profile
<profile_name> [ TABLE_interface <intf> [ <intf_cfg> ] + ] ]
```

Syntax Description

show	Show running system information
port-profile	Show port-profile
expand-interface	Active profile config applied in a interface
name	(Optional) port-profile name
<i>all_profile_name</i>	(Optional) Enter the name of the profile
<i>__readonly__</i>	(Optional)
TABLE_port_profile	(Optional)
<i>profile_name</i>	(Optional)
TABLE_interface	(Optional)
<i>intf</i>	(Optional)
<i>intf_cfg</i>	(Optional)

Command Mode

- /exec

show port-profile sync-status

```
show port-profile sync-status [ interface <intfname> ] [ __readonly__ <intf> + [ <inherit> ] <status> + [
<sync_status> ] [ <cached_cmds> ] [ <errors> ] [ <recovery> ] ]
```

Syntax Description

show	Show running system information
port-profile	Show port-profile
sync-status	Interfaces out-of-sync with port-profiles
interface	(Optional) Interface name
<i>intfname</i>	(Optional) Name of interface
<i>__readonly__</i>	(Optional)
<i>intf</i>	(Optional)
<i>status</i>	(Optional)
<i>inherit</i>	(Optional)
<i>sync_status</i>	(Optional)
<i>cached_cmds</i>	(Optional)
<i>errors</i>	(Optional)
<i>recovery</i>	(Optional)

Command Mode

- /exec

show port-profile usage

```
show port-profile usage [ name <all_profile_name> ] [ __readonly__ TABLE_port_profile <profile_name>
[ TABLE_interface <interface> ] ]
```

Syntax Description

show	Show running system information
port-profile	Show port-profile
usage	List of interfaces inherited a profile
name	(Optional) port-profile name
<i>all_profile_name</i>	(Optional) Enter the name of the profile
<i>__readonly__</i>	(Optional)
TABLE_port_profile	(Optional)
TABLE_interface	(Optional)
<i>profile_name</i>	(Optional)
<i>interface</i>	(Optional)

Command Mode

- /exec

show port-security

```
show port-security [ __readonly__ [ <total_addr> ] [ <max_sys_limit> ] [ { TABLE_eth_port_sec_interfaces
<secure_port> <port_state> <max_secure_addr> <security_violation> <security_action> <current_addr>
<num_val> <num_elems> <cmdid_show_index> } ] ]
```

Syntax Description

<code>port-security</code>	Show secure port information
<code>__readonly__</code>	(Optional)
<code>total_addr</code>	(Optional) Total number of secured MAC addresses
<code>max_sys_limit</code>	(Optional) Maximum allowed MACs excluding one per port
<code>TABLE_eth_port_sec_interfaces</code>	(Optional) Displays the secured interfaces
<code>secure_port</code>	(Optional) Interface Index
<code>port_state</code>	(Optional) Port security enabled or disabled
<code>max_secure_addr</code>	(Optional) Maximum number of secured MAC addresses
<code>security_violation</code>	(Optional) Number of security violations
<code>security_action</code>	(Optional) Security Action Shutdown/Restrict/Protect
<code>current_addr</code>	(Optional) Number of secured MAC addresses
<code>num_val</code>	(Optional) Number of Values
<code>num_elems</code>	(Optional) Number of Elements
<code>cmdid_show_index</code>	(Optional) Index for the Interfaces

Command Mode

- /exec

show port-security address

```
show port-security address [ __readonly__ [ <total_addr> ] [ <max_sys_limit> ] [ {
TABLE_eth_port_sec_mac_addrs <if_index> <vlan_id> <type> <mac_addr> <remain_age> <remote_learnt>
<remote_aged> <num_elems> <cmd_addr_index> } ] ]
```

Syntax Description

port-security	Show secure port information
address	Show secure address
__readonly__	(Optional)
<i>total_addr</i>	(Optional) Total number of secured MAC addresses
<i>max_sys_limit</i>	(Optional) Maximum allowed MACs excluding one per port
TABLE_eth_port_sec_mac_addrs	(Optional) Displays the secured MAC addresses
<i>if_index</i>	(Optional) Interface index
<i>vlan_id</i>	(Optional) vlan id
<i>type</i>	(Optional) static/sticky/dyanmic MAC address
<i>mac_addr</i>	(Optional) mac address
<i>remain_age</i>	(Optional) Remaining age
<i>remote_learnt</i>	(Optional) Remotely learnt
<i>remote_aged</i>	(Optional) Remotely Aged Out
<i>num_elems</i>	(Optional) Number of Elements
<i>cmd_addr_index</i>	(Optional) Index for the interface address

Command Mode

- /exec

show port-security address interface

```
show port-security address interface <interface-id> [ __readonly__ { TABLE_eth_port_sec_mac_addrs
<if_index> <vlan_id> <type> <mac_addr> <remain_age> <remote_learnt> <remote_aged> <num_elems>
<cmd_addr_index> } [ <total_addr> ] [ <max_sys_limit> ] [ <first> ] ]
```

Syntax Description

port-security	Show secure port information
address	Show secure address
interface	Show secure interface
<i>interface-id</i>	ethernet
<i>__readonly__</i>	(Optional)
TABLE_eth_port_sec_mac_addrs	(Optional) Displays the secured MAC addresses
<i>if_index</i>	(Optional) Interface index
<i>vlan_id</i>	(Optional) vlan id
<i>type</i>	(Optional) static/sticky/dyanmic MAC address
<i>mac_addr</i>	(Optional) mac address
<i>remain_age</i>	(Optional) Remaining age
<i>remote_learnt</i>	(Optional) Remotely learnt
<i>remote_aged</i>	(Optional) Remotely Aged Out
<i>num_elems</i>	(Optional) Number of Elements
<i>cmd_addr_index</i>	(Optional) Index for the interface address
<i>total_addr</i>	(Optional) Total number of secured MAC addresses
<i>max_sys_limit</i>	(Optional) Maximum allowed MACs excluding one per port
<i>first</i>	(Optional) To identify the first entry

Command Mode

- /exec

show port-security interface

```
show port-security interface <interface-id> [ __readonly__ <port_status> <config_port_security>
<oper_port_security> <violation_mode> <aging_time> <aging_type> <max_mac_addr> <total_sec_addrs>
<conf_num_addrs> <num_sticky_addrs> <trap_count> ]
```

Syntax Description

port-security	Show secure port information
interface	Show secure interface
<i>interface-id</i>	ethernet
<i>__readonly__</i>	(Optional)
<i>port_status</i>	(Optional) Secure Up/Down
<i>config_port_security</i>	(Optional) Port Security configuration is Enabled/Disabled
<i>oper_port_security</i>	(Optional) Port Security is Operationally Enabled/Disabled
<i>violation_mode</i>	(Optional) Shutdown/Restrict/Protect
<i>aging_time</i>	(Optional) Aging time in minutes
<i>aging_type</i>	(Optional) Absolute/Inactivity
<i>max_mac_addr</i>	(Optional) Configured Maximum
<i>total_sec_addrs</i>	(Optional) Total number of secured MAC addresses
<i>conf_num_addrs</i>	(Optional) Number of configured MAC addresses
<i>num_sticky_addrs</i>	(Optional) Number of sticky MAC addresses
<i>trap_count</i>	(Optional) Trap Count

Command Mode

- /exec

show port-security state

show port-security state [__readonly__ <status>]

Syntax Description

port-security	Port security related command
state	port security state
__readonly__	(Optional)
<i>status</i>	(Optional) show port-security

Command Mode

- /exec

show port led-status module

show port <port_num> led-status module <module>

Syntax Description

show	Show running system information
port	port
<i>port_num</i>	port number
led-status	led-status of the port
module	module
<i>module</i>	module number

Command Mode

- /exec

show port naming

show port naming

Syntax Description

show	Show running system information
port	Show port information
naming	Show port naming information

Command Mode

- /exec

show postcard-telemetry exporter

```
show postcard-telemetry exporter [ name ] [ <exportername> ] [ __readonly__ <exporter> <description>
<dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <seq_num> ]
```

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
exporter	Show POSTCARD Exporter Configuration
name	(Optional) Show a specific POSTCARD Exporter
<i>exportername</i>	(Optional) Specify an exporter
<i>__readonly__</i>	(Optional)
<i>exporter</i>	(Optional)
<i>description</i>	(Optional)
<i>dest</i>	(Optional)
<i>vrf</i>	(Optional)
<i>vrf_id</i>	(Optional)
<i>vrf_resolved</i>	(Optional)
<i>dest_udp</i>	(Optional)
<i>source_intf</i>	(Optional)
<i>source_ip</i>	(Optional)
<i>seq_num</i>	(Optional)

Command Mode

- /exec

show postcard-telemetry flow-profile

```
show postcard-telemetry flow-profile [ name ] [ <flow-profilename> ] [ __readonly__ <flow-profile>
<description> <age> <latency> ]
```

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
flow-profile	Show POSTCARD flow Profile Configuration
name	(Optional) Show a specific POSTCARD flow Profile
<i>flow-profilename</i>	(Optional) Specify an flow Profile
<i>__readonly__</i>	(Optional)
<i>flow-profile</i>	(Optional)
<i>description</i>	(Optional)
<i>age</i>	(Optional)
<i>latency</i>	(Optional)

Command Mode

- /exec

show postcard-telemetry monitor

```
show postcard-telemetry monitor [ name ] [ <monitorname> [ cache [ detailed ] ] ] [ __readonly__ <monitor>
<use_count> <description> <event> <exporter> <bucket_id> <src_addr> <dest_addr> <watchlist> ]
```

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
monitor	Show Monitor Configuration
name	(Optional) Show a specific POSTCARD Monitor
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
<i>__readonly__</i>	(Optional)
<i>monitor</i>	(Optional)
<i>use_count</i>	(Optional)
<i>description</i>	(Optional)
<i>event</i>	(Optional)
<i>exporter</i>	(Optional)
<i>bucket_id</i>	(Optional)
<i>src_addr</i>	(Optional)
<i>dest_addr</i>	(Optional)
<i>watchlist</i>	(Optional)

Command Mode

- /exec

show postcard-telemetry queue-profile

```
show postcard-telemetry queue-profile [ name ] [ <queue-profilename> ] [ __readonly__ <queue-profile>
<description> <depth> <latency> ]
```

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
queue-profile	Show POSTCARD Queue Profile Configuration
name	(Optional) Show a specific POSTCARD Queue Profile
<i>queue-profilename</i>	(Optional) Specify an Queue Profile
<i>__readonly__</i>	(Optional)
<i>queue-profile</i>	(Optional)
<i>description</i>	(Optional)
<i>depth</i>	(Optional)
<i>latency</i>	(Optional)

Command Mode

- /exec

show postcard-telemetry sessions

show postcard-telemetry sessions [<monitorname>] [__readonly__ <monitor>]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
sessions	Show Session Configuration
<i>monitorname</i>	(Optional) Specify a monitor
<i>__readonly__</i>	(Optional)
<i>monitor</i>	(Optional)

Command Mode

- /exec

show postcard-telemetry watchlist

```
show postcard-telemetry watchlist [ name ] [ { <watchlistname> } ] [ __readonly__ <watchlist> <use_count>
<description> <num_aces> <ace_seq_num> <ace_action> <ace_type> <ace_sip> <ace_sip_len> <ace_dip>
<ace_dip_len> ]
```

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
watchlist	Show watchlist Configuration
name	(Optional) Show the configuration for a specific POSTCARD Record
<i>watchlistname</i>	(Optional) Specify a watchlist
<i>__readonly__</i>	(Optional)
<i>watchlist</i>	(Optional)
<i>use_count</i>	(Optional)
<i>description</i>	(Optional)
<i>num_aces</i>	(Optional)
<i>ace_seq_num</i>	(Optional)
<i>ace_action</i>	(Optional)
<i>ace_type</i>	(Optional)
<i>ace_sip</i>	(Optional)
<i>ace_sip_len</i>	(Optional)
<i>ace_dip</i>	(Optional)
<i>ace_dip_len</i>	(Optional)

Command Mode

- /exec

show power inline

```
show power inline [ __readonly__ { TABLE_fex_info <module_id> <avail_pwr> <used_pwr> <rem_pwr>
} { TABLE_intf_info <intf_name> <admin> <oper> <supp_pwr> <del_pwr> <device> <class> <max> } ]
```

Syntax Description

show	Show running system information
power	Power over Ethernet
__readonly__	(Optional)
TABLE_fex_info	(Optional) FEX information
<i>module_id</i>	(Optional) FEX id
<i>avail_pwr</i>	(Optional) Available power
<i>used_pwr</i>	(Optional) Used power
<i>rem_pwr</i>	(Optional) Free power
TABLE_intf_info	(Optional) Interface information
<i>intf_name</i>	(Optional) Interface name
<i>admin</i>	(Optional) Port mode
<i>oper</i>	(Optional) Oper mode
<i>supp_pwr</i>	(Optional) Supplied power
<i>del_pwr</i>	(Optional) delivered power
<i>device</i>	(Optional) Device information
<i>class</i>	(Optional) POE Class
<i>max</i>	(Optional) Max power

Command Mode

- /exec

show power inline

```
show power inline <if0> [ __readonly__ { TABLE_intf_info <intf_name> <admin> <oper> <supp_pwr>
<del_pwr> <device> <class> <max> } ]
```

Syntax Description

show	Show running system information
power	Power over Ethernet
<i>if0</i>	
<i>__readonly__</i>	(Optional)
TABLE_intf_info	(Optional) Interface information
<i>intf_name</i>	(Optional) Interface name
<i>admin</i>	(Optional) Port mode
<i>oper</i>	(Optional) Oper mode
<i>supp_pwr</i>	(Optional) Supplied power
<i>del_pwr</i>	(Optional) delivered power
<i>device</i>	(Optional) Device information
<i>class</i>	(Optional) POE Class
<i>max</i>	(Optional) Max power

Command Mode

- /exec

show power inline detail

```
show power inline <inf> detail [ __readonly__ { TABLE_intf_detail <intf> <power_mode> <oper_status>
<device_det> <dev_type> <ieee_class> <disc_mech> <police_action> <interface_pri> <power_admin_value>
<power_drawn_src> <power_avail_dev> <consump_at_port> <power_drawn_dev> <absent_count>
<over_curr_count> <short_curr_count> <inv_sign_count> <power_denied_count> <four_pair_support>
<spare_pair_support> } ]
```

Syntax Description

show	Show running system information
power	Power over Ethernet
<i>inf</i>	
detail	PoE details
<i>__readonly__</i>	(Optional)
TABLE_intf_detail	(Optional) Interface Details
<i>intf</i>	(Optional) Interface
<i>power_mode</i>	(Optional) Inline Power Mode
<i>oper_status</i>	(Optional) Operational status
<i>device_det</i>	(Optional) Device Detected status
<i>dev_type</i>	(Optional) Device Type
<i>ieee_class</i>	(Optional) IEEE Class
<i>disc_mech</i>	(Optional) Discovery mechanism used/configured
<i>police_action</i>	(Optional) Policer action
<i>interface_pri</i>	(Optional) Interface Priority
<i>power_admin_value</i>	(Optional) Admin value
<i>power_drawn_src</i>	(Optional) Power drawn from the source
<i>power_avail_dev</i>	(Optional) Power available to the device
<i>consump_at_port</i>	(Optional) Measured at the port
<i>power_drawn_dev</i>	(Optional) Maximum Power drawn by the device since powered on
<i>absent_count</i>	(Optional) Absent Counter
<i>over_curr_count</i>	(Optional) Over Current Counter
<i>short_curr_count</i>	(Optional) Short Current Counter

<i>inv_sign_count</i>	(Optional) Invalid Signature Counter
<i>power_denied_count</i>	(Optional) Power Denied Counter
<i>four_pair_support</i>	(Optional) Four-Pair PoE Supported
<i>spare_pair_support</i>	(Optional) Spare Pair Power Enabled

Command Mode

- /exec

show power inline police

```
show power inline police [ __readonly__ { TABLE_police <intf_name> <admin> <oper> <admin_police>
<oper_police> <cutoff_pwr> <oper_pwr> } ]
```

Syntax Description

show	Show running system information
power	Power over Ethernet
police	Show per-port policing
<i>__readonly__</i>	(Optional)
<i>TABLE_police</i>	(Optional) Police information
<i>intf_name</i>	(Optional) Interface name
<i>admin</i>	(Optional) Port mode
<i>oper</i>	(Optional) Oper mode
<i>admin_police</i>	(Optional) Configured admin police
<i>oper_police</i>	(Optional) Current police
<i>cutoff_pwr</i>	(Optional) Cutoff power
<i>oper_pwr</i>	(Optional) Oper power

Command Mode

- /exec

show power inline priority

show power inline priority [*__readonly__* { *TABLE_priority* <intf_name> <admin> <oper> <priority> }]

Syntax Description

show	Show running system information
power	Power over Ethernet
priority	Show per-port priority
<i>__readonly__</i>	(Optional)
<i>TABLE_priority</i>	(Optional) Port priority information
<i>intf_name</i>	(Optional) Interface name
<i>admin</i>	(Optional) Port mode
<i>oper</i>	(Optional) Oper mode
<i>priority</i>	(Optional) port priority

Command Mode

- /exec

show processes

```
show processes [ __readonly__ { [ TABLE_processes <pid> <state> <pc> <start_cnt> <tty> <p_type>
<process> ] } ]
```

Syntax Description

show	Show running system information
processes	Show processes
__readonly__	(Optional)
TABLE_processes	(Optional) all process information
<i>pid</i>	(Optional) process id
<i>state</i>	(Optional) process state
<i>pc</i>	(Optional) pc register
<i>start_cnt</i>	(Optional) TBD
<i>tty</i>	(Optional) TBD
<i>p_type</i>	(Optional) process type
<i>process</i>	(Optional) process name

Command Mode

- /exec

show processes cpu

```
show processes cpu [ sort ] [ __readonly__ { [ TABLE_process_cpu <pid> <runtime> <invoked> <usecs>
<oneseq> <process> ] [ <user_percent> ] [ <kernel_percent> ] [ <idle_percent> ] [ <fivesec_percent> ] [
<fivesec_intr_percent> ] [ <onemin_percent> ] [ <fivemin_percent> } ] }
```

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
sort	(Optional) Show processes CPU Info (Sorted by Cpu Util with time base)
__readonly__	(Optional)
TABLE_process_cpu	(Optional) all process memory
<i>pid</i>	(Optional) process id
<i>runtime</i>	(Optional) Runtime
<i>invoked</i>	(Optional) Invoked
<i>usecs</i>	(Optional) usecs
<i>oneseq</i>	(Optional) fivesec
<i>process</i>	(Optional) name of the process
<i>user_percent</i>	(Optional) user
<i>kernel_percent</i>	(Optional) kernel
<i>idle_percent</i>	(Optional) idle
<i>fivesec_percent</i>	(Optional) five seconds cpu percent
<i>fivesec_intr_percent</i>	(Optional) five seconds interrupt percent
<i>onemin_percent</i>	(Optional) one minute cpu percent
<i>fivemin_percent</i>	(Optional) five minute cpu percent

Command Mode

- /exec

show processes cpu history

show processes cpu history

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
history	Show processes CPU Util History

Command Mode

- /exec

show processes cpu history data

```
show processes cpu history data [ __readonly__ { [ TABLE_processes_cpu_history <cpu_avg_sec> ] } ]
```

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
history	Show processes CPU Util History
data	Display the CPU util as data, instead of graph
<i>__readonly__</i>	(Optional)
<i>TABLE_processes_cpu_history</i>	(Optional) 60 sec cpu history
<i>cpu_avg_sec</i>	(Optional) cpu avg for a sec

Command Mode

- /exec

show processes cpu module

```
show processes cpu module <i0> [ __readonly__ { [ TABLE_process_cpu <pid> <runtime> <invoked>
<usecs> <onsec> <process> ] [ <user_percent> ] [ <kernel_percent> ] [ <idle_percent> ] [ <fivesec_percent>
] [ <fivesec_intr_percent> ] [ <onemin_percent> ] [ <fivemin_percent> ] } ]
```

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
module	processes CPU Info
<i>i0</i>	module number
<i>__readonly__</i>	(Optional)
<i>TABLE_process_cpu</i>	(Optional) all process memory
<i>pid</i>	(Optional) process id
<i>runtime</i>	(Optional) Runtime
<i>invoked</i>	(Optional) Invoked
<i>usecs</i>	(Optional) usecs
<i>onsec</i>	(Optional) onsec
<i>process</i>	(Optional) name of the process
<i>user_percent</i>	(Optional) user
<i>kernel_percent</i>	(Optional) kernel
<i>idle_percent</i>	(Optional) idle
<i>fivesec_percent</i>	(Optional) five seconds cpu percent
<i>fivesec_intr_percent</i>	(Optional) five seconds interrupt percent
<i>onemin_percent</i>	(Optional) one minute cpu percent
<i>fivemin_percent</i>	(Optional) five minute cpu percent

Command Mode

- /exec

show processes log

```
show processes log [ __readonly__ { [ TABLE_processes_log <vdc> <process> <pid> <normal_exit> <stack>
<core> <create_time> ] } ]
```

Syntax Description

<code>show</code>	Show running system information
<code>processes</code>	Show processes
<code>log</code>	Show information about process logs
<code>__readonly__</code>	(Optional)
<code>TABLE_processes_log</code>	(Optional) all processes log
<code>vdc</code>	(Optional) vdc
<code>process</code>	(Optional) vdc process name
<code>pid</code>	(Optional) pid
<code>normal_exit</code>	(Optional) process exit
<code>stack</code>	(Optional) stack
<code>core</code>	(Optional) core
<code>create_time</code>	(Optional) log create time

Command Mode

- /exec

show processes log details

```
show processes log details [ __readonly__ { line_in_log_detail <line_in_file> } ]
```

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
details	Show detail of all logs with stack
__readonly__	(Optional)
line_in_log_detail	(Optional)
<i>line_in_file</i>	(Optional) each line

Command Mode

- /exec

show processes log pid

show processes log pid <i0> [__readonly__ { TABLE_line_in_log_pid <line_in_file> }]

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
pid	Show detail log info about a specific process
<i>i0</i>	pid of the process
<i>__readonly__</i>	(Optional)
<i>TABLE_line_in_log_pid</i>	(Optional)
<i>line_in_file</i>	(Optional) each line

Command Mode

- /exec

show processes log vdc-all

```
show processes log vdc-all [ __readonly__ { [ TABLE_processes_log_vdc_all <vdc> <process> <pid>
<normal_exit> <stack> <core> <create_time> ] } ]
```

Syntax Description

TABLE_processes_log_vdc_all	(Optional) all processes log vdc all
show	Show running system information
processes	Show processes
log	Show information about process logs
vdc-all	Show information about process logs in all vdc's
__readonly__	(Optional)
vdc	(Optional) vdc process name
process	(Optional) vdc process name
pid	(Optional) process id
normal_exit	(Optional) process exit
stack	(Optional) stack
core	(Optional) core
create_time	(Optional) log create time

Command Mode

- /exec

show processes memory

```
show processes memory [ __readonly__ { TABLE_process_memory <mem_pid> <mem_alloc> <mem_limit>
<mem_used> <stack_base_ptr> <process> } ]
```

Syntax Description

show	Show running system information
processes	Show processes
memory	Show processes Memory Info
<i>__readonly__</i>	(Optional)
TABLE_process_memory	(Optional) all process memory
<i>mem_pid</i>	(Optional) process id
<i>mem_alloc</i>	(Optional) allocated memory
<i>mem_limit</i>	(Optional) memory limit
<i>mem_used</i>	(Optional) memory used
<i>stack_base_ptr</i>	(Optional) stack and base pointer
<i>process</i>	(Optional) name of the process

Command Mode

- /exec

show processes memory physical

```
show processes memory physical [ __readonly__ { TABLE_process_physical_memory <processid> <virtual>
<physical> <rss> <processname> } ]
```

Syntax Description

show	Show running system information
processes	Show processes
memory	Show processes Memory Info
physical	Show processes physical Memory
__readonly__	(Optional)
TABLE_process_physical_memory	(Optional) all process physical memory
<i>processid</i>	(Optional) process id
<i>virtual</i>	(Optional) virtual allocated memory
<i>physical</i>	(Optional) physical memory used
<i>rss</i>	(Optional) rss memory
<i>processname</i>	(Optional) name of the process

Command Mode

- /exec

show processes memory shared

```
show processes memory shared [ detail | dynamic ] [ __readonly__ TABLE_process_tag [ <process-tag-out> ] [ <process-memory-share-dynamic-component-str> ] [ <process-memory-share-dynamic-shared-memory-str> ] [ <process-memory-share-dynamic-current-size-str> ] [ <process-memory-share-dynamic-max-size-str> ] [ <process-memory-share-dynamic-used-str> ] [ <process-memory-share-component-str> ] [ <process-memory-share-shared-memory-str> ] [ <process-memory-share-size-str> ] [ <process-memory-share-used-str> ] [ <process-memory-share-available-str> ] [ <process-memory-share-ref-str> ] [ <process-memory-share-byte-set-address-str> ] [ <process-memory-share-byte-set-count-str> ] [ <process-memory-share-address-str> ] [ <process-memory-share-kbytes-1-str> ] [ <process-memory-share-kbytes-2-str> ] [ <process-memory-share-kbytes-3-str> ] [ <process-memory-share-count-str> ] [ { TABLE_SMMITEM <process-memory-share-smr-name> } ] [ { TABLE_SHOWPROC <process-memory-share-table-showproc-key> [ { TABLE_SHOWONEDYNAMIC [ <process-memory-share-component> ] [ <process-memory-share-shared-memory> ] [ <process-memory-share-current-size> ] [ <process-memory-share-max-size> ] [ <process-memory-share-used> ] } ] [ { TABLE_ONEITEM [ <process-memory-share-proc-smr-name> ] [ <process-memory-share-smr-addr> ] [ <process-memory-share-smr-size> ] [ <process-memory-share-smr-star-char> ] [ <process-memory-share-smr-empty-char> ] [ <process-memory-share-smr-used> ] [ <process-memory-share-smr-avail> ] [ <process-memory-share-smr-ref-count> ] [ <process-memory-share-dynamic-smr-name> ] } ] [ { TABLE_ONEITEMDYNAMIC [ <process-memory-share-dynamic-smr-addr> ] [ <process-memory-share-dynamic-smr-size> ] [ <process-memory-share-dynamic-plus-char> ] [ <process-memory-share-max-mem-size-str> ] [ <process-memory-share-dynamic-smr-used> ] [ <process-memory-share-dynamic-smr-avail> ] [ <process-memory-share-dynamic-smr-ref-count> ] [ <process-memory-share-region-smr-name> ] } ] } ] [ <process-memory-share-total-shm-size> ] [ <process-memory-share-total-shm-used> ] [ <process-memory-share-total-shm-avail> ] ] ]
```

Syntax Description

show	Show running system information
processes	Display process information
memory	Display memory information
shared	Display shared memory info
detail	(Optional) Display shared memory in bytes instead of default kbytes
dynamic	(Optional) Display details of dynamic shared memory segments
__readonly__	(Optional)
TABLE_process_tag	(Optional)
<i>process-tag-out</i>	(Optional)
<i>process-memory-share-dynamic-component-str</i>	(Optional)
<i>process-memory-share-dynamic-shared-memory-str</i>	(Optional)
<i>process-memory-share-dynamic-current-size-str</i>	(Optional)

<i>process-memory-share-dynamic-max-size-str</i>	(Optional)
<i>process-memory-share-dynamic-used-str</i>	(Optional)
<i>process-memory-share-component-str</i>	(Optional)
<i>process-memory-share-shared-memory-str</i>	(Optional)
<i>process-memory-share-size-str</i>	(Optional)
<i>process-memory-share-used-str</i>	(Optional)
<i>process-memory-share-available-str</i>	(Optional)
<i>process-memory-share-ref-str</i>	(Optional)
<i>process-memory-share-byte-set-address-str</i>	(Optional)
<i>process-memory-share-byte-set-count-str</i>	(Optional)
<i>process-memory-share-address-str</i>	(Optional)
<i>process-memory-share-kbytes-1-str</i>	(Optional)
<i>process-memory-share-kbytes-2-str</i>	(Optional)
<i>process-memory-share-kbytes-3-str</i>	(Optional)
<i>process-memory-share-count-str</i>	(Optional)
TABLE_SMMITEM	(Optional)
<i>process-memory-share-smr-name</i>	(Optional)
TABLE_SHOWPROC	(Optional)
<i>process-memory-share-table-showproc-key</i>	(Optional)
TABLE_SHOWONEDYNAMIC	(Optional)
<i>process-memory-share-component</i>	(Optional)
<i>process-memory-share-shared-memory</i>	(Optional)
<i>process-memory-share-current-size</i>	(Optional)
<i>process-memory-share-max-size</i>	(Optional)
<i>process-memory-share-used</i>	(Optional)
TABLE_ONEITEM	(Optional)
<i>process-memory-share-proc-smr-name</i>	(Optional)
<i>process-memory-share-smr-addr</i>	(Optional)
<i>process-memory-share-smr-size</i>	(Optional)

<i>process-memory-share-smr-star-char</i>	(Optional)
<i>process-memory-share-smr-empty-char</i>	(Optional)
<i>process-memory-share-smr-used</i>	(Optional)
<i>process-memory-share-smr-avail</i>	(Optional)
<i>process-memory-share-smr-ref-count</i>	(Optional)
TABLE_ONEITEMDYNAMIC	(Optional)
<i>process-memory-share-dynamic-smr-name</i>	(Optional)
<i>process-memory-share-dynamic-smr-addr</i>	(Optional)
<i>process-memory-share-dynamic-smr-size</i>	(Optional)
<i>process-memory-share-dynamic-plus-char</i>	(Optional)
<i>process-memory-share-max-mem-size-str</i>	(Optional)
<i>process-memory-share-dynamic-smr-used</i>	(Optional)
<i>process-memory-share-dynamic-smr-avail</i>	(Optional)
<i>process-memory-share-dynamic-smr-ref-count</i>	(Optional)
<i>process-memory-share-region-smr-name</i>	(Optional)
<i>process-memory-share-total-shm-size</i>	(Optional)
<i>process-memory-share-total-shm-used</i>	(Optional)
<i>process-memory-share-total-shm-avail</i>	(Optional)

Command Mode

- /exec

show processes vdc

```
show processes vdc <e-vdc2> [ __readonly__ { TABLE_processes_vdc <pid> <state> <pc> <start_cnt> <tty>
<p_type> <process> } ]
```

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
<i>__readonly__</i>	(Optional) Read only
TABLE_processes_vdc	(Optional) All process information
<i>pid</i>	(Optional) PID of process
<i>state</i>	(Optional) State of process
<i>pc</i>	(Optional) PC in which process exists
<i>start_cnt</i>	(Optional) TBD
<i>tty</i>	(Optional) TBD
<i>p_type</i>	(Optional) Type of Process
<i>process</i>	(Optional) Process Name

Command Mode

- /exec

show processes vdc cpu

```
show processes vdc <e-vdc2> cpu [ __readonly__ [ TABLE_process_vdc_cpu <pid> <runtime> <invoked>
<usecs> <onsec> <process> ] [ <user_percent> ] [ <kernel_percent> ] [ <idle_percent> ] [ <fivesec_percent>
] [ <fivesec_intr_percent> ] [ <onemin_percent> ] [ <fivemin_percent> ] ]
```

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
cpu	Show processes CPU Info
<i>__readonly__</i>	(Optional) Readonly table for cpu log
<i>TABLE_process_vdc_cpu</i>	(Optional) All cpu process logs of vdc
<i>pid</i>	(Optional) PID of process
<i>runtime</i>	(Optional) Runtime
<i>invoked</i>	(Optional) Invoked
<i>usecs</i>	(Optional) uSecs
<i>onsec</i>	(Optional) fivesec
<i>process</i>	(Optional) Name of process
<i>user_percent</i>	(Optional) user
<i>kernel_percent</i>	(Optional) kernel
<i>idle_percent</i>	(Optional) idle
<i>fivesec_percent</i>	(Optional) five seconds cpu percent
<i>fivesec_intr_percent</i>	(Optional) five seconds interrupt percent
<i>onemin_percent</i>	(Optional) one minute cpu percent
<i>fivemin_percent</i>	(Optional) five minute cpu percent

Command Mode

- /exec

show processes vdc log

```
show processes vdc <e-vdc2> log [ __readonly__ { [ TABLE_processes_vdc_log <vdc> <process> <pid>
<normal_exit> <stack> <core> <create_time> ] } ]
```

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
<i>__readonly__</i>	(Optional) Read only table
<i>TABLE_processes_vdc_log</i>	(Optional) Table for log of all VDC Processes
<i>pid</i>	(Optional) PID of process
<i>vdc</i>	(Optional) VDC Number
<i>process</i>	(Optional) Process name
<i>normal_exit</i>	(Optional) Normal Exit status
<i>stack</i>	(Optional) Stack
<i>core</i>	(Optional) Core
<i>create_time</i>	(Optional) Time stamp of log

Command Mode

- /exec

show processes vdc log details

show processes vdc <e-vdc2> log details

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
details	Show detail of all logs with stack

Command Mode

- /exec

show processes vdc log pid

show processes vdc <e-vdc2> log pid <i1>

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
pid	Show detail log info about a specific process
<i>i1</i>	pid of the process

Command Mode

- /exec

show processes vdc memory

```
show processes vdc <e-vdc2> memory [ __readonly__ { [ TABLE_process_memory <mem_pid> <mem_alloc>
<mem_limit> <mem_used> <stack_base_ptr> <process> ] [ <sum_mem_mallocated> ] } ]
```

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
memory	Show processes Memory Info
<i>__readonly__</i>	(Optional)
<i>TABLE_process_memory</i>	(Optional) all process memory
<i>mem_pid</i>	(Optional) process id
<i>mem_alloc</i>	(Optional) allocated memory
<i>mem_limit</i>	(Optional) memory limit
<i>mem_used</i>	(Optional) memory used
<i>stack_base_ptr</i>	(Optional) stack and base pointer
<i>process</i>	(Optional) name of the process

Command Mode

- /exec

show pss debug

show pss debug

Syntax Description

show	Show running system information
pss	display pss information
debug	display pss debug configuration

Command Mode

- /exec

show ptp brief

```
show ptp brief [ __readonly__ <gptp-flag> [ TABLE_ptp <ptp-ifindex> <state> [ <dot1as-capable> ] ]
<ptp-end> ]
```

Syntax Description

<code>ptp</code>	Precision Time Protocol (IEEE 1588) Subsystem
<code>brief</code>	port states in brief
<code>__readonly__</code>	(Optional) Read Only
<code>gptp-flag</code>	(Optional) GPTP mode
<code>TABLE_ptp</code>	(Optional) ptp table
<code>ptp-ifindex</code>	(Optional) ptp ifindex
<code>state</code>	(Optional) BMC state
<code>dot1as-capable</code>	(Optional) Dot1AS capable
<code>ptp-end</code>	(Optional) End of table

Command Mode

- /exec

show ptp clock

```
show ptp clock [ __readonly__ <clock-id> <domain-id> <num-ports> <priority1> <priority2> <class>
<accuracy> <scaled-log-variance> <offset-from-master> <mean-path-delay-to-master> <steps-removed>
<device-type> <encap> <slave-clock-oper> <master-clock-oper> <src-ip> <src-ipv6> <slave-only> [
<correction-threshold> ] [ <mean-path-delay-threshold> ] [ <gmTimeBaseIndicator> ] [
<last_gm_phase_change> ] [ <master_cum_scaled_rate_offset> ] [ <scaled_last_gm_freq_change> ] [
<cum_scaled_rate_offset> ] <local-clock-time> [ <bs-status> ] <clock-state> [ <asymmetric-delay-direction>
] [ <asymmetric-delay-value> ] ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Set local clock attributes
<i>__readonly__</i>	(Optional) Read only
<i>domain-id</i>	(Optional) Domain Id
<i>clock-id</i>	(Optional) Clock Id
<i>priority1</i>	(Optional) Priority 1
<i>priority2</i>	(Optional) Priority 2
<i>num-ports</i>	(Optional) Number of PTP ports
<i>class</i>	(Optional) Class
<i>accuracy</i>	(Optional) Clock accuracy
<i>scaled-log-variance</i>	(Optional) scaled log variance
<i>offset-from-master</i>	(Optional) Offset from master
<i>mean-path-delay-to-master</i>	(Optional) mean path delay to master
<i>steps-removed</i>	(Optional) Steps removed
<i>device-type</i>	(Optional) Device Type
<i>encap</i>	(Optional) Encapsulation
<i>src-ip</i>	(Optional) IPv4 address (A.B.C.D) of source (in layer-3 encapsulation)
<i>slave-clock-oper</i>	(Optional) Slave clock operation
<i>master-clock-oper</i>	(Optional) Master clock operation
<i>slave-only</i>	(Optional) Slave-only mode
<i>correction-threshold</i>	(Optional) correction-threshold
<i>mean-path-delay-threshold</i>	(Optional) mean-path-delay threshold

<i>gmTimeBaseIndicator</i>	(Optional) time base indicator for current GM
<i>last_gm_phase_change</i>	(Optional) time difference of current and previous GM
<i>master_cum_scaled_rate_offset</i>	(Optional) cumulative scaled rate offset received from master
<i>scaled_last_gm_freq_change</i>	(Optional) scaled last GM frequency change
<i>cum_scaled_rate_offset</i>	(Optional) cumulative scaled rate offset
<i>local-clock-time</i>	(Optional) Local clock time
<i>bs-status</i>	(Optional) Broadsync status enable/disable
<i>clock-state</i>	(Optional) PTP clock state
<i>asymmetric-delay-direction</i>	(Optional) PTP asymmetric delay direction
<i>asymmetric-delay-value</i>	(Optional) PTP asymmetric delay compensation time(ns)

Command Mode

- /exec

show ptp clock foreign-masters record

```
show ptp clock foreign-masters record [ interface <if0> ] [ __readonly__ [ TABLE_ptp <interface-name>
<clock-id> <priority1> <priority2> <class> <accuracy> <scaled-log-variance> <steps-removed> <is-gm> ]
<ptp-end> ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Set local clock attributes
foreign-masters	foreign-masters
record	record
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_ptp</i>	(Optional) ptp table
<i>interface-name</i>	(Optional) interface name
<i>clock-id</i>	(Optional) Clock Id
<i>priority1</i>	(Optional) Priority 1
<i>priority2</i>	(Optional) Priority 2
<i>class</i>	(Optional) Class
<i>accuracy</i>	(Optional) Clock accuracy
<i>scaled-log-variance</i>	(Optional) scaled log variance
<i>steps-removed</i>	(Optional) Steps removed
<i>is-gm</i>	(Optional) Is Grandmaster
<i>ptp-end</i>	(Optional) End of table

Command Mode

- /exec

show ptp corrections

```
show ptp corrections [ entries <val> ] [ __readonly__ <ptp-header> [ TABLE_ptp <intf-name> <sup-time>
<correction-val> <mean-path-delay> ] <ptp-end> ]
```

Syntax Description

<i>ptp</i>	Precision Time Protocol (IEEE 1588) Subsystem
<i>__readonly__</i>	(Optional) Read Only
<i>corrections</i>	Display last few corrections
<i>entries</i>	(Optional) Latest entries to display
<i>val</i>	(Optional) Number of latest entries to display
<i>ptp-header</i>	(Optional) Start of table
<i>TABLE_ptp</i>	(Optional) ptp table
<i>intf-name</i>	(Optional) interface name
<i>sup-time</i>	(Optional) sup time
<i>correction-val</i>	(Optional) correction value
<i>ptp-end</i>	(Optional) End of table

Command Mode

- /exec

show ptp cost

```
show ptp cost [ interface <if0> ] [ __readonly__ [ TABLE_ptp <ptp-ifindex> <cost> ] <ptp-end> ]
```

Syntax Description

<code>ptp</code>	Precision Time Protocol (IEEE 1588) Subsystem
<code>cost</code>	port costs
<code>if0</code>	(Optional)
<code>__readonly__</code>	(Optional) Read Only
<code>TABLE_ptp</code>	(Optional) ptp table
<code>ptp-ifindex</code>	(Optional) ptp ifindex
<code>cost</code>	(Optional) cost
<code>ptp-end</code>	(Optional) End of table

Command Mode

- /exec

show ptp counters interface

```
show ptp counters { interface <if0> | all } [ { detail | ipv4 <ip> | ipv6 <ip6> } ] [ __readonly__ [ TABLE_ptp
<interface_name> [ <accepted-ip> ] <tx-announce-pkts> <rx-announce-pkts> <tx-sync-pkts> <rx-sync-pkts>
<tx-follow-up-pkts> <rx-follow-up-pkts> <tx-delay-req-pkts> <rx-delay-req-pkts> <tx-delay-resp-pkts>
<rx-delay-resp-pkts> <tx-pdelay-req-pkts> <rx-pdelay-req-pkts> <tx-pdelay-resp-pkts> <rx-pdelay-resp-pkts>
<tx-pdelay-follow-up-pkts> <rx-pdelay-follow-up-pkts> [ <tx-mgmt-pkts> ] [ <rx-mgmt-pkts> ] [ <tx-sig-pkts>
] [ <rx-sig-pkts> ] ] <ptp-end> ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
__readonly__	(Optional) Read Only
counters	Display PTP packet counters
interface	Enter the port interface
all	Displays all information
<i>if0</i>	
detail	(Optional) Show detail
ipv4	(Optional) IPv4 address for the stat info
<i>ip</i>	(Optional) IPv4 address (A.B.C.D)
ipv6	(Optional) IPv6 address for the stat info
TABLE_ptp	(Optional) ptp table
<i>interface_name</i>	(Optional) interface name
<i>accepted-ip</i>	(Optional) Accepted IP in unicast mode
<i>ptp-end</i>	(Optional) End of table

Command Mode

- /exec

show ptp delay summary

```
show ptp delay summary [ __readonly__ [ TABLE_ptp <intf-name-port> <device-type> <state> <link-delay>
] [ <ptp-end> ] [ <gptp-not-supported> ] ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay	delay
summary	summary
<i>__readonly__</i>	(Optional) Read only
<i>TABLE_ptp</i>	(Optional) ptp table
<i>intf-name-port</i>	(Optional) interface name and port
<i>device-type</i>	(Optional) Device Type
<i>state</i>	(Optional) BMC state
<i>link-delay</i>	(Optional) link delay
<i>ptp-end</i>	(Optional) End of table
<i>gptp-not-supported</i>	(Optional) GPTP not supported

Command Mode

- /exec

show ptp domain data

```
show ptp domain data [ __readonly__ [ TABLE_ptp <multidom_cap> <gm_cap> <gm_convergence_time>
<def_dom> <transition_priority1> <transition_priority2> [ TABLE_ptp_domain <domain_number>
<domain_priority> <ptp_clock_class_threshold> <ptp_clock_accuracy_threshold> [ TABLE_ptp_ifindex
<ptp-ifindex> ] ] ] <ptp-end> ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp domain number
data	ptp domain data
__readonly__	(Optional) Read Only
TABLE_ptp	(Optional) ptp table
<i>multidom_cap</i>	(Optional) Multidomain state ENABLED/DISABLED
<i>gm_cap</i>	(Optional) GM state ENABLE/DISABLED
<i>gm_convergence_time</i>	(Optional) ptp grandmaster convergence time
<i>def_dom</i>	(Optional) ptp default domain
<i>transition_priority1</i>	(Optional) ptp multi-domain transition priority1
<i>transition_priority2</i>	(Optional) ptp multi-domain transition priority2
TABLE_ptp_domain	(Optional)
<i>domain_number</i>	(Optional) ptp domain number
<i>domain_priority</i>	(Optional) ptp domain priority
<i>ptp_clock_class_threshold</i>	(Optional) ptp domain class
<i>ptp_clock_accuracy_threshold</i>	(Optional) ptp domain accuracy
TABLE_ptp_ifindex	(Optional)
<i>ptp-ifindex</i>	(Optional) ptp ifindex
<i>ptp-end</i>	(Optional) End of table

Command Mode

- /exec

show ptp interface domain

show ptp interface domain [__readonly__ [TABLE_ptp <ptp-ifindex> <interface-domain>] <ptp-end>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
interface	port
domain	ptp port domain
__readonly__	(Optional) Read Only
TABLE_ptp	(Optional) ptp table
<i>ptp-ifindex</i>	(Optional) ptp ifindex
<i>interface-domain</i>	(Optional) ptp port domain
<i>ptp-end</i>	(Optional) End of table

Command Mode

- /exec

show ptp packet-trace

```
show ptp packet-trace [ __readonly__ <ptp-header> [ TABLE_ptp <intf-name> <sup-time> <pkt_dir>
<pkt_type> <pkt_info> ] <ptp-end> ]
```

Syntax Description

<code>ptp</code>	Precision Time Protocol (IEEE 1588) Subsystem
<code>__readonly__</code>	(Optional) Read Only
<code>packet-trace</code>	Display last few pkt traces
<code>ptp-header</code>	(Optional) Start of table
<code>TABLE_ptp</code>	(Optional) ptp table
<code>intf-name</code>	(Optional) interface name
<code>sup-time</code>	(Optional) sup time
<code>pkt_dir</code>	(Optional) pkt_dir
<code>pkt_type</code>	(Optional) pkt_type
<code>pkt_info</code>	(Optional) pkt_info
<code>ptp-end</code>	(Optional) End of table

Command Mode

- /exec

show ptp parent

```
show ptp parent [ __readonly__ <clock-id> <port-num> <obs-parent-offset> <obs-parent-clk-phase-chg> [
<parent-ip> ] <gm-id> <gm-class> <gm-accuracy> <gm-scaled-log-variance> <gm-priority1> <gm-priority2>
[ TABLE-path-trace <path-trace-index> <path-trace-clock-id> ] ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
parent	parent clock
<i>__readonly__</i>	(Optional) Read only
<i>clock-id</i>	(Optional) Clock Id
<i>port-num</i>	(Optional) Port ID: port number
<i>obs-parent-offset</i>	(Optional) observed parent offset
<i>obs-parent-clk-phase-chg</i>	(Optional) observed parent clock phase change
<i>parent-ip</i>	(Optional) Parent clock IP
<i>gm-id</i>	(Optional) Grandmaster Id
<i>gm-class</i>	(Optional) Class
<i>gm-accuracy</i>	(Optional) Clock accuracy
<i>gm-scaled-log-variance</i>	(Optional) scaled log variance
<i>gm-priority1</i>	(Optional) GM Priority 1
<i>gm-priority2</i>	(Optional) GM Priority 2
TABLE-path-trace	(Optional) ptp path trace table
<i>path-trace-index</i>	(Optional) Clock Identity index
<i>path-trace-clock-id</i>	(Optional) Clock Identity in path trace

Command Mode

- /exec

show ptp port interface

```
show ptp port interface <if0> [ __readonly__ [ TABLE_ptp <intf-name> <clock-id> <port-num> <version>
[ <transport-mode> ] [ <accepted-ip> ] <state> <vlan> <delay-req-intv> <ann-rx-tout> <peer-mean-path-delay>
<ann-intv> <sync-intv> <delay-mechanism> [ <peer-delay-req-intv> ] [ <device-type> ] [ <encap> ] [
<prop-delay-thresh> ] [ <neighbor-rate-ratio> ] <cost> <int-domain-id> ] <ptp-end> ]
```

Syntax Description

<code>ptp</code>	Precision Time Protocol (IEEE 1588) Subsystem
<code>port</code>	port
<code>interface</code>	Enter the port interface
<i>if0</i>	
<code>__readonly__</code>	(Optional) Read only
<code>TABLE_ptp</code>	(Optional) ptp table
<i>intf-name</i>	(Optional) interface name
<i>clock-id</i>	(Optional) Port ID: Clock Id
<i>port-num</i>	(Optional) Port ID: port number
<i>version</i>	(Optional) version
<i>transport-mode</i>	(Optional) Transport mode
<i>accepted-ip</i>	(Optional) Accepted IPs
<i>state</i>	(Optional) BMC state
<i>vlan</i>	(Optional) Vlan
<i>delay-req-intv</i>	(Optional) log mean delay req interval
<i>ann-rx-tout</i>	(Optional) announce receipt timeout
<i>peer-mean-path-delay</i>	(Optional) peer mean path delay
<i>ann-intv</i>	(Optional) announce interval
<i>sync-intv</i>	(Optional) sync interval
<i>delay-mechanism</i>	(Optional) delay mechanism
<i>peer-delay-req-intv</i>	(Optional) peer delay req interval
<i>device-type</i>	(Optional) Device Type
<i>encap</i>	(Optional) Encapsulation

<i>prop-delay-thresh</i>	(Optional) propagation delay threshold
<i>neighbor-rate-ratio</i>	(Optional) Neighbor rate-ratio
<i>cost</i>	(Optional) Cost
<i>int-domain-id</i>	(Optional) domain id
<i>ptp-end</i>	(Optional) End of Table

Command Mode

- /exec

show ptp time-property

```
show ptp time-property [ __readonly__ <current-utc-offset-valid> <current-utc-offset> <leap-59> <leap-61>
<time-traceable> <freq-traceable> <ptp-timescale> <time-source> ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
time-property	time property
<i>__readonly__</i>	(Optional) Read only
<i>current-utc-offset-valid</i>	(Optional) current_utc_offset_valid
<i>current-utc-offset</i>	(Optional) current_utc_offset
<i>leap-59</i>	(Optional) leap-59
<i>leap-61</i>	(Optional) leap-61
<i>time-traceable</i>	(Optional) time-traceable
<i>freq-traceable</i>	(Optional) freq-traceable
<i>ptp-timescale</i>	(Optional) ptp-timescale
<i>time-source</i>	(Optional) time-source

Command Mode

- /exec

show ptp unicast-negotiation

```
show ptp unicast-negotiation [ interface <if0> ] [ __readonly__ [ TABLE_ptp <interface-name> <ip-addr>
<status> <clock-id> ] <ptp-end> ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
unicast-negotiation	unicast-negotiation
<i>if0</i>	(Optional)
<i>__readonly__</i>	(Optional) Read only
TABLE_ptp	(Optional) ptp table
<i>interface-name</i>	(Optional) Interface name
<i>ip-addr</i>	(Optional) IP address
<i>status</i>	(Optional) Status
<i>clock-id</i>	(Optional) Clock Id
<i>ptp-end</i>	(Optional) End of table

Command Mode

- /exec



Q Show Commands

- [show qos dcbxp incompatibility interface, on page 2574](#)
- [show qos dcbxp info, on page 2576](#)
- [show qos dcbxp interface, on page 2577](#)
- [show qos shared-policer, on page 2579](#)
- [show queuing, on page 2581](#)
- [show queuing burst-detect, on page 2584](#)
- [show queuing llfc-queue, on page 2586](#)
- [show queuing pfc-queue, on page 2587](#)
- [show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex, on page 2589](#)
- [show queuing pfc-queue snmp ifIndex, on page 2591](#)
- [show queuing tabular, on page 2592](#)
- [show queuing tah-pfc-queue, on page 2594](#)

show qos dcbxp incompatibility interface

```
show qos dcbxp incompatibility interface <iface-num> [ __readonly__ { [ { TABLE_local_pfc <vl_id_lpfce>
[ <lpcf> ] } ] [ { TABLE_remote_pfc <vl_id_rpfce> [ <rpfc> ] } ] [ <mtu> ] [ { TABLE_lpg <vl_id_lpg> [
<cos_list_lpg> ] [ <bandwidth_lpg> ] } ] [ { TABLE_rpg <vl_id_rpg> [ <cos_list_rpg> ] [ <bandwidth_rpg>
] } ] [ <bw> ] [ <lfcoe> ] [ <rfcoe> ] [ <liscsi> ] [ <riscsi> ] } ] }
```

Syntax Description

show	Show running system information
dcbxp	DCBXP
incompatibility	incompatibility information
interface	incompatibility info for interface
<i>iface-num</i>	Interface
<i>__readonly__</i>	(Optional)
TABLE_local_pfc	(Optional) local pfc table
<i>vl_id_lpfce</i>	(Optional) vl ID for local PFC
<i>lpcf</i>	(Optional) local pfc
TABLE_remote_pfc	(Optional) remote pfc table
<i>vl_id_rpfce</i>	(Optional) vl ID for remote PFC
<i>rpfc</i>	(Optional) remote pfc
<i>mtu</i>	(Optional) MTU Value
TABLE_lpg	(Optional) LPG Table
<i>vl_id_lpg</i>	(Optional) vl ID for LPG
<i>cos_list_lpg</i>	(Optional) cos list for LPG
<i>bandwidth_lpg</i>	(Optional) bandwidth for LPG
TABLE_rpg	(Optional) RPG Table
<i>vl_id_rpg</i>	(Optional) vl ID for RPG
<i>cos_list_rpg</i>	(Optional) cos list for RPG
<i>bandwidth_rpg</i>	(Optional) bandwidth for RPG
<i>bw</i>	(Optional) CIN: bandwidth/priority
<i>lfcoe</i>	(Optional) local fcoe

<i>rfcoe</i>	(Optional) remote fcoe
<i>liscsi</i>	(Optional) local iscsi
<i>riscsi</i>	(Optional) remote iscsi

Command Mode

- /exec

show qos dcbxp info

```
show qos dcbxp info [ __readonly__ { TABLE_dcbxp <intf> <pfer> <pfcc> <pgr> <pgc> <mtur> <mtuc>
<fcoer> <fcoec> <iscsir> <iscsic> } ]
```

Syntax Description

show	Show running system information
dcbxp	DCBXP
info	information
__readonly__	(Optional)
TABLE_dcbxp	(Optional) dxcbxp info
<i>intf</i>	(Optional) Interface
<i>pfer</i>	(Optional) pfc recvd
<i>pfcc</i>	(Optional) pfc compatible
<i>pgr</i>	(Optional) pg received
<i>pgc</i>	(Optional) pg compatible
<i>mtur</i>	(Optional) mtu received
<i>mtuc</i>	(Optional) mtu compatible
<i>fcoer</i>	(Optional) fcoe received
<i>fcoec</i>	(Optional) fcoe compatible
<i>iscsir</i>	(Optional) iscsi received
<i>iscsic</i>	(Optional) iscsi compatible

Command Mode

- /exec

show qos dcbxp interface

```
show qos dcbxp interface [ <iface> ] [ __readonly__ [ <intf> { <info_absent> | { [ <local_pfc_cap>
<local_pfc_enable_list> ] [ <peers_pfc_cap> <peers_pfc_enable_list> ] [ <local_ets_maxtc>
<local_ets_priority_list> <local_ets_bandwidth_list> <local_ets_tsa_list> ] [ <peers_ets_maxtc>
<peers_ets_priority_list> <peers_ets_bandwidth_list> <peers_ets_tsa_list> ] [ <local_app_pri>
<local_app_type> <local_app_num> ] + [ <peers_app_pri> <peers_app_type> <peers_app_num> ] + [
<local_map_pri> <local_map_dscp> ] + [ <peers_map_pri> <peers_map_dscp> ] + } } ] + ]
```

Syntax Description

show	Show running system information
qos	QoS
dcbxp	DCBXP
interface	Per-interface information
<i>iface</i>	(Optional) Interface
<i>__readonly__</i>	(Optional)
<i>intf</i>	(Optional) Interface
<i>info_absent</i>	(Optional) No information is present for this Interface.
<i>local_pfc_cap</i>	(Optional) Number of Local Flows
<i>local_pfc_enable_list</i>	(Optional) List of Local Flows Enabled
<i>peers_pfc_cap</i>	(Optional) Number of Peer Flows
<i>peers_pfc_enable_list</i>	(Optional) List of Peer Flows Enabled
<i>local_ets_maxtc</i>	(Optional) Local ETS Maximum Traffic Classes
<i>local_ets_priority_list</i>	(Optional) Local ETS Priority List
<i>local_ets_bandwidth_list</i>	(Optional) Local ETS Bandwidth List
<i>local_ets_tsa_list</i>	(Optional) Local ETS TSA List
<i>peers_ets_maxtc</i>	(Optional) Peer ETS Maximum Traffic Classes
<i>peers_ets_priority_list</i>	(Optional) Peer ETS Priority List
<i>peers_ets_bandwidth_list</i>	(Optional) Peer ETS Bandwidth List
<i>peers_ets_tsa_list</i>	(Optional) Peer ETS TSA List
<i>local_app_pri</i>	(Optional) Local Application Priority
<i>local_app_type</i>	(Optional) Local Application Number Type

<i>local_app_num</i>	(Optional) Local Application Number
<i>peers_app_pri</i>	(Optional) Peer Application Priority
<i>peers_app_type</i>	(Optional) Peer Application Number Type
<i>peers_app_num</i>	(Optional) Peer Application Number
<i>local_map_pri</i>	(Optional) Local Map Priority
<i>local_map_dscp</i>	(Optional) Local Map DSCP Value
<i>peers_map_pri</i>	(Optional) Peer Map Priority
<i>peers_map_dscp</i>	(Optional) Peer Map DSCP Value

Command Mode

- /exec

show qos shared-policer

```
show qos shared-policer [ type qos1 ] [ <policer-name> ] [ __readonly__ { [ TABLE_policer <policer-name2>
[ <cir-spec> ] [ <bc-spec> ] [ <be-spec> ] [ <cir-rate-units> ] [ <cir> ] [ <bc-size-units> ] [ <bc> ] [
<pir-rate-units> ] [ <pir> ] [ <be-size-units> ] [ <be> ] [ <cnf-col-cmap> ] [ <exc-col-cmap> ] [ TABLE_action
<action-key> [ <cnf-act> ] [ <exc-act> ] [ <vio-act> ] [ <set-type> ] [ <enum-spec> ] [ <set-val> ] [
<tmap-from> ] [ <tmap-to> ] [ <tmap-name> ] ] ] } ]
```

Syntax Description

show	Show running system information
shared-policer	Shared policer
type	(Optional) Type of shared policer
qos1	(Optional) type qos
<i>policer-name</i>	(Optional) Shared policer name
<i>__readonly__</i>	(Optional)
TABLE_policer	(Optional) all police xml sessions
<i>policer-name2</i>	(Optional) Policer Name
TABLE_action	(Optional) all police actions xml sessions
<i>action-key</i>	(Optional) Count
<i>cir-spec</i>	(Optional) Is CIR keyword specified
<i>bc-spec</i>	(Optional) Is Committed Burst keyword specified
<i>be-spec</i>	(Optional) Is Extended Burst keyword specified
<i>cir-rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps
<i>pir-rate-units</i>	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps
<i>bc-size-units</i>	(Optional) Units of size - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>be-size-units</i>	(Optional) Units of size - pkts/bytes/kbytes/mbytes/ms/us/perc
<i>tmap-from</i>	(Optional)
<i>tmap-to</i>	(Optional)
<i>tmap-name</i>	(Optional) Table map name
<i>cnf-col-cmap</i>	(Optional) Conforming color class-map name
<i>exc-col-cmap</i>	(Optional) Exceeding color class-map name
<i>enum-spec</i>	(Optional) Is DSCP or PREC enum value specified

<i>cnf-act</i>	(Optional) Conform action (Police)
<i>exc-act</i>	(Optional) Exceed action (Police)
<i>vio-act</i>	(Optional) Violate action (Police)
<i>set-type</i>	(Optional) Type of set in police action
<i>set-val</i>	(Optional) Value of set type in police action

Command Mode

- /exec

show queuing

```
show queuing [ interface [ <if_list> ] ] [ summary ] [ module <module> ] [ __readonly__ [
TABLE_interface_mtu [ <intf_name> ] [ <mtu_val> ] ] [ TABLE_queuing_interface [ <dir> ] [ <if_name_str>
] [ <mtu_val> ] [ TABLE_qosgrp_cfg [ <qosgrp> ] [ <halqueue> ] [ <bandwidth> ] [ <priority> ] [ <cos-val>
] [ <shape-min> ] [ <shape-max> ] [ <shape-units> ] [ <buffer-size> ] [ <pause-threshold> ] [
<resume-threshold> ] [ <q-limit> ] [ <q-limit-type> ] [ <bandwidth-detail> ] [ <priority-detail> ] [
<shape-rate-detail> ] [ <q-limit-detail> ] ] [ <mc-drop-pkt> ] [ TABLE_qosgrp_egress_stats [ <eq-qosgrp>
] [ TABLE_qosgrp_egress_stats_entry [ <eq-stat-type> ] [ <eq-stat-units> ] [ <eq-uc-stat-value> ] [
<eq-ooobfc-uc-stat-value> ] [ <eq-mc-stat-value> ] ] ] [ TABLE_per_port_qos_stats [ <stat-type> ] [ <stat-units>
] [ <stat-value> ] ] [ TABLE_egress_stats_entry [ <ep-stat-type> ] [ <ep-stat-units> ] [ <ep-stat-value> ] ] [
TABLE_ingress_stats_entry [ <ip-stat-type> ] [ <ip-stat-units> ] [ <ip-stat-value> ] [ <ip-stat-value-q0> ] [
<ip-stat-value-q1> ] [ <ip-stat-value-q2> ] ] [ <tx-ppp> ] [ <rx-ppp> ] [ TABLE_pfc_stats [ <cos> ] [
<pfc-qosgrp> ] [ <pfc-pg> ] [ <tx-pause-state> ] [ <tx-pause-count> ] [ <rx-pause-state> ] [ <rx-pause-count>
] ] ] [ TABLE_qosgrp_egress_queuing [ <egr-queue-num> ] [ <egr-qosgrp> ] [ <bandwidth-percentage> ] [
<prio-level> ] [ <egr-shape-min> ] [ <egr-shape-max> ] [ <egr-shape-units> ] [ <shape-rate> ] [ <egr-cosmap>
] ] [ TABLE_qosgrp_ingress_queuing [ <ing-queue-num> ] [ <ing-qosgrp> ] [ <qlimit-percentage> ] [ <ivl>
] [ <ing-cosmap> ] [ <dscp-cnt> ] [ <qlimit-num-pages> ] [ <qlimit-num-descr> ] ] ] ]
```

Syntax Description

show	commands to display
queuing	Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
summary	(Optional) summary
<i>__readonly__</i>	(Optional)
TABLE_interface_mtu	(Optional) mtu values of each interface
<i>intf_name</i>	(Optional) interface name
<i>mtu_val</i>	(Optional) mtu val of interface
TABLE_queuing_interface	(Optional) Queuing information of an interface
<i>dir</i>	(Optional) Direction
<i>if_name_str</i>	(Optional) interface name
<i>mtu_val</i>	(Optional) mtu val of interface
TABLE_qosgrp_cfg	(Optional) Qos-group configuration
<i>qosgrp</i>	(Optional) Qos-group value

<i>halqueue</i>	(Optional) Q value for innovium platform
<i>bandwidth</i>	(Optional) WRR bandwidth
<i>priority</i>	(Optional) Priority level
<i>cos-val</i>	(Optional) cos value
<i>shape-units</i>	(Optional) Shape units
<i>q-limit</i>	(Optional) Queue limit
<i>q-limit-type</i>	(Optional) Queue limit type (S-Static, D-Dynamic, U-Unlimited)
<i>bandwidth-detail</i>	(Optional) bandwidth detailed output
<i>priority-detail</i>	(Optional) priority level detailed output
<i>shape-rate-detail</i>	(Optional) shape rate detailed output
<i>q-limit-detail</i>	(Optional) queue limit detailed output
TABLE_qosgrp_egress_stats	(Optional) Qos-group egress statistics
<i>eq-qosgrp</i>	(Optional) Qos-group value
TABLE_qosgrp_egress_stats_entry	(Optional) Qos-group egress statistics entry
<i>eq-stat-type</i>	(Optional) Qos-group egress statistics type
<i>eq-stat-units</i>	(Optional) Qos-group egress statistics units
TABLE_qosgrp_egress_queuing	(Optional) Egress Queuing information
<i>egr-queue-num</i>	(Optional) egress queue-num
<i>egr-qosgrp</i>	(Optional) egress qos group
<i>bandwidth-percentage</i>	(Optional) bandwidth in precentage
<i>prio-level</i>	(Optional) priority level
<i>egr-shape-units</i>	(Optional) Egress Shape units
<i>shape-rate</i>	(Optional) shape rate
<i>egr-cosmap</i>	(Optional) egress cos map value
TABLE_qosgrp_ingress_queuing	(Optional) Ingress Queuing information
<i>ing-queue-num</i>	(Optional) ingress queue-num
<i>ing-qosgrp</i>	(Optional) ingress qos group
<i>qlimit-percentage</i>	(Optional) Queue Limit in precentage
<i>ivl</i>	(Optional) IVL

<i>ing-cosmap</i>	(Optional) ingress cos map value
<i>dscp-cnt</i>	(Optional) dscp count
<i>qlimit-num-pages</i>	(Optional) number of pages
<i>qlimit-num-descr</i>	(Optional) number of descriptions
TABLE_per_port_qos_stats	(Optional) Per-port QoS statistics
<i>stat-type</i>	(Optional) Per-port QoS statistics type
<i>stat-units</i>	(Optional) Per-port QoS statistics units
TABLE_egress_stats_entry	(Optional) Egress port statistics
<i>ep-stat-type</i>	(Optional) Egress port statistics type
<i>ep-stat-units</i>	(Optional) Egress port statistics units
<i>ep-stat-value</i>	(Optional) Egress port statistics value
TABLE_ingress_stats_entry	(Optional) Ingress port statistics
<i>ip-stat-type</i>	(Optional) Ingress port statistics type
<i>ip-stat-units</i>	(Optional) Ingress port statistics units
TABLE_pfc_stats	(Optional) Per COS PFC statistics
<i>cos</i>	(Optional) PFC COS
<i>pfc-qosgrp</i>	(Optional) Qos-group of the given COS
<i>pfc-pg</i>	(Optional) PG of the given COS/Qos-group
<i>tx-pause-state</i>	(Optional) Tx PFC state of the given COS
<i>rx-pause-state</i>	(Optional) Rx PFC state of the given COS

Command Mode

- /exec

show queuing burst-detect

```
show queuing burst-detect [ [ interface <if_name> [ queue <queue_num> ] ] [ module <module> ] [ last <val>
seconds ] [ fex <chassis-id> ] [ detail ] [ nir ] [ module <module> ] [ detail ] [ __readonly__ [
TABLE_instance [ <if-str> ] [ <queue> ] [ <pipe> ] [ <threshold> ] [ <start-time> ] [ <peak> ] [ <peak-time>
] [ <end-depth> ] [ <end-time> ] [ <duration> ] ] ]
```

Syntax Description

show	commands to display
queuing	Queuing related information
burst-detect	Out of Band micro-burst queue statistics
interface	(Optional) Interface
<i>if_name</i>	(Optional) interface name
queue	(Optional) Queue number for displaying statistics
<i>queue_num</i>	(Optional) Queue number
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
last	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>val</i>	(Optional) time in seconds
seconds	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
fex	(Optional) FEX id
<i>chassis-id</i>	(Optional) FEX number
detail	(Optional) detailed statistics
<i>if-str</i>	(Optional) Interface name
nir	(Optional) Network Insights Resources database
__readonly__	(Optional) Read Only
TABLE_instance	(Optional) Instance
<i>queue</i>	(Optional) Queue Number
<i>pipe</i>	(Optional) XPE-A or XPE-B
<i>threshold</i>	(Optional) Threshold value in bytes
<i>start-time</i>	(Optional) Start time of burst

<i>peak</i>	(Optional) Peak depth in bytes
<i>peak-time</i>	(Optional) Peak time of burst
<i>end-depth</i>	(Optional) End depth in bytes
<i>end-time</i>	(Optional) End time of burst
<i>duration</i>	(Optional) Duration of burst

Command Mode

- /exec

show queuing llfc-queue

```
show queuing llfc-queue [ interface <if_list> ] [ module <module> ] [ detail ] [ __readonly__ [
TABLE_queuing_interface <if_name_str> [ TABLE_qosgrp_stats <eq-qosgrp> [ TABLE_qosgrp_stats_entry
<q-stat-type> [ <q-shutdown> ] [ <q-restored> ] [ <q-pkt-drained> ] [ <q-pkt-dropped> ] [ <q-total-pkt-dropped>
] [ <q-aggr-pkt-dropped> ] [ <q-ingr-pkt-dropped> ] [ <q-aggr-ingr-pkt-dropped> ] ] ] [
TABLE_qosgrp_stats_summary <qosgrp-summary> ] ] ]
```

Syntax Description

show	commands to display
queuing	Queuing related information
llfc-queue	LLFC Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
detail	(Optional) Show detailed LLFC Queuing WD information
<i>__readonly__</i>	(Optional)
<i>if_name_str</i>	(Optional) interface name
TABLE_queuing_interface	(Optional) Queuing information of an interface
TABLE_qosgrp_stats	(Optional) Qos-group egress statistics
<i>eq-qosgrp</i>	(Optional) Qos-group value
TABLE_qosgrp_stats_entry	(Optional) Qos-group egress statistics entry
<i>q-stat-type</i>	(Optional) Queue stat
TABLE_qosgrp_stats_summary	(Optional) Qos-group egress statistics summary
<i>qosgrp-summary</i>	(Optional) Qos-group summary value

Command Mode

- /exec

show queuing pfc-queue

```
show queuing pfc-queue [ interface <if_list> ] [ module <module> ] [ detail ] [ __readonly__ <glb-wd-status>
<glb-wd-force-status> <glb-wd-timer> <glb-wd-timer-thresh> <glb-auto-restore> <glb-fixed-restore>
<glb-int-intf-multi> [ TABLE_queuing_interface <if_name_str> <wd-status> [ <disable-action> ] [ <intf-multi>
] [ <vl-bmp> ] [ <qosgrp_7_state> ] [ <qosgrp_6_state> ] [ <qosgrp_5_state> ] [ <qosgrp_4_state> ] [
<qosgrp_3_state> ] [ <qosgrp_2_state> ] [ <qosgrp_1_state> ] [ <qosgrp_0_state> ] [ TABLE_qosgrp_stats
<eq-qosgrp> <eq-qosgrp-state> <pfc-configured> <pfc-cos> TABLE_qosgrp_stats_entry <q-stat-type> [
<q-shutdown> ] [ <q-restored> ] [ <q-pkt-drained> ] [ <q-pkt-dropped> ] [ <q-pkt-drained-n-dropped> ] [
<q-aggr-pkt-dropped> ] [ <q-ing-pkt-dropped> ] [ <q-ing-aggr-pkt-dropped> ] ] ] ]
```

Syntax Description

show	commands to display
queuing	Queuing related information
pfc-queue	PFC Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
detail	(Optional) Show detailed PFC Queuing WD information
<i>__readonly__</i>	(Optional)
<i>glb-wd-status</i>	(Optional) Global watch-dog timer status
<i>glb-wd-force-status</i>	(Optional) Global watch-dog forcestatus
<i>glb-wd-timer</i>	(Optional) Global watch-dog timer value in msec
<i>glb-wd-timer-thresh</i>	(Optional) Global watch-dog timer thresh value in ms
<i>glb-auto-restore</i>	(Optional) Global auto restore multiplier value
<i>glb-fixed-restore</i>	(Optional) Global fixed restore multiplier value
<i>glb-int-intf-multi</i>	(Optional) Global internal interface multiplier value
<i>disable-action</i>	(Optional) Only generate syslog for queue stuck, no action
<i>intf-multi</i>	(Optional) Interface multiplier value
<i>if_name_str</i>	(Optional) interface name
TABLE_queuing_interface	(Optional) Queuing information of an interface
<i>wd-status</i>	(Optional) PFC watch-dog status

<i>vl-bmp</i>	(Optional) VL Bitmap
<i>qosgrp_7_state</i>	(Optional) Qos group 7 state
<i>qosgrp_6_state</i>	(Optional) Qos group 6 state
<i>qosgrp_5_state</i>	(Optional) Qos group 5 state
<i>qosgrp_4_state</i>	(Optional) Qos group 4 state
<i>qosgrp_3_state</i>	(Optional) Qos group 3 state
<i>qosgrp_2_state</i>	(Optional) Qos group 2 state
<i>qosgrp_1_state</i>	(Optional) Qos group 1 state
<i>qosgrp_0_state</i>	(Optional) Qos group 0 state
TABLE_qosgrp_stats	(Optional) Qos-group egress statistics
<i>eq-qosgrp</i>	(Optional) Qos-group value
<i>eq-qosgrp-state</i>	(Optional) Qos-group state
<i>pfc-configured</i>	(Optional) PFC configuration
<i>pfc-cos</i>	(Optional) PFC Cos value
TABLE_qosgrp_stats_entry	(Optional) Qos-group egress statistics entry
<i>q-stat-type</i>	(Optional) Queue stat

Command Mode

- /exec

show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex

```
show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex <ifindex> [ __readonly__ [
TABLE_watchdogIfQueueTable <ifindex> [ TABLE_qosgrp_stats <eq-qosgrp> <state> <shutdowns>
<restores> <dropPkts> <totaldropPkts> <ingDropPkts> <totalIngDropPkts> ] ] ]
```

Syntax Description

show	commands to display
queuing	Queuing related information
pfc-queue	PFC Queuing related information
interface	Interface for displaying queuing config
snmp	commands for snmp
watchdogIfQueueTable	Table
ifIndex	port ifIndex
<i>ifindex</i>	interfaces ifIndex
<i>__readonly__</i>	(Optional)
TABLE_watchdogIfQueueTable	(Optional) PFC Queuing information of an interface
<i>ifindex</i>	(Optional) interface ifindex
TABLE_qosgrp_stats	(Optional) Qos-group egress statistics
<i>eq-qosgrp</i>	(Optional) Qos-group value
<i>state</i>	(Optional) Queue state
<i>shutdowns</i>	(Optional) Number of times queue is shutdown
<i>restores</i>	(Optional) Number of times queue is restored
<i>dropPkts</i>	(Optional) Total Number of packets drained + dropped since last shutdown
<i>totaldropPkts</i>	(Optional) Number of aggregate packets dropped during shutdowns
<i>ingDropPkts</i>	(Optional) Total Number of packets dropped in the ingress direction since last shutdown
<i>totalIngDropPkts</i>	(Optional) Number of aggregate packets dropped in the ingress direction during shutdowns

Command Mode

show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex

- /exec

show queuing pfc-queue snmp ifIndex

```
show queuing pfc-queue snmp ifIndex <ifidx> [ __readonly__ TABLE-cpfcWatchdogIfQueueInfoTable
<ifidx_out> <queueno_out> <q-state> <q-shutdown> <q-restored> <q-pkt-dropped> <q-aggr-pkt-dropped>
<q-ing-pkt-dropped> <q-ing-aggr-pkt-dropped> ]
```

Syntax Description

show	Show running system information
queuing	Queuing related information
pfc-queue	PFC Queuing related information
snmp	Snmp information
ifIndex	Interface index
<i>ifidx</i>	Index
<i>__readonly__</i>	(Optional) Read Only
TABLE-cpfcWatchdogIfQueueInfoTable	(Optional) SNMP table
<i>ifidx_out</i>	(Optional) Interface index out
<i>queueno_out</i>	(Optional) Queue number out
<i>q-state</i>	(Optional) Queue state
<i>q-shutdown</i>	(Optional) Number of times queue is shutdown
<i>q-restored</i>	(Optional) Number of times queue is restored
<i>q-pkt-dropped</i>	(Optional) Number of packets dropped since last shutdown
<i>q-aggr-pkt-dropped</i>	(Optional) Number of aggregate packets dropped
<i>q-ing-pkt-dropped</i>	(Optional) Number of Ingress packets dropped
<i>q-ing-aggr-pkt-dropped</i>	(Optional) Number of aggregate Ingress packets dropped

Command Mode

- /exec

show queuing tabular

```
show queuing tabular [ non-zero [ drop-only ] ] [ interface <if_list> ] [ module <module> ] [ __readonly__ [
TABLE_queuing_interface <if_name_str> [ <qos_group_name_0> ] [ <qos_group_name_1> ] [
<qos_group_name_2> ] [ <qos_group_name_3> ] [ <qos_group_name_4> ] [ <qos_group_name_5> ] [
<qos_group_name_6> ] [ <qos_group_name_7> ] [ <qos_group_name_cpu> ] [ <qos_group_name_span> ]
[ TABLE_queuing_counter <counter_name_str> [ <qos_group_0> ] [ <qos_group_1> ] [ <qos_group_2> ]
[ <qos_group_3> ] [ <qos_group_4> ] [ <qos_group_5> ] [ <qos_group_6> ] [ <qos_group_7> ] [
<qos_group_cpu> ] [ <qos_group_span> ] ] [ <tx_uc_pkt_qos_0> ] [ <tx_uc_byte_qos_0> ] [
<tx_uc_drop_pkt_qos_0> ] [ <tx_uc_drop_byte_qos_0> ] [ <tx_uc_ecn_pkt_qos_0> ] [
<tx_uc_ecn_byte_qos_0> ] [ <tx_oobfc_uc_pkt_qos_0> ] [ <tx_oobfc_uc_byte_qos_0> ] [
<tx_oobfc_uc_drop_pkt_qos_0> ] [ <tx_oobfc_uc_drop_byte_qos_0> ] [ <tx_fld_pkt_qos_0> ] [
<tx_fld_byte_qos_0> ] [ <tx_fld_drop_pkt_qos_0> ] [ <tx_fld_drop_byte_qos_0> ] [ <tx_mc_pkt_qos_0> ]
[ <tx_mc_byte_qos_0> ] [ <tx_mc_drop_pkt_qos_0> ] [ <tx_mc_drop_byte_qos_0> ] [ <pfc_rx_qos_0> ] [
<pfc_tx_qos_0> ] [ <qos_grp_1> ] [ <qos_grp_2> ] [ <qos_grp_3> ] [ <qos_grp_4> ] [ <qos_grp_5> ] [
<qos_grp_6> ] [ <qos_grp_7> ] [ <qos_grp_cpu> ] [ <qos_grp_span> ] [ <ing_drop_pkt> ] ] ]
```

Syntax Description

show	commands to display
queuing	Queuing related information
tabular	QoS stats in tabular form
non-zero	(Optional) Interface for non-zero stats
drop-only	(Optional) Interface for non-zero drop-only stats
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
__readonly__	(Optional)
<i>if_name_str</i>	(Optional) interface name
TABLE_queuing_interface	(Optional) Queuing information of an interface
<i>counter_name_str</i>	(Optional) counter name
TABLE_queuing_counter	(Optional) counter information of an interface
<i>qos_group_name_0</i>	(Optional) QoS Group name
<i>qos_group_name_1</i>	(Optional) QoS Group name
<i>qos_group_name_2</i>	(Optional) QoS Group name
<i>qos_group_name_3</i>	(Optional) QoS Group name

<i>qos_group_name_4</i>	(Optional) QoS Group name
<i>qos_group_name_5</i>	(Optional) QoS Group name
<i>qos_group_name_6</i>	(Optional) QoS Group name
<i>qos_group_name_7</i>	(Optional) QoS Group name
<i>qos_group_name_cpu</i>	(Optional) QoS Group name
<i>qos_group_name_span</i>	(Optional) QoS Group name
<i>qos_group_span</i>	(Optional) stats for SPAN grp
<i>tx_uc_pkt_qos_0</i>	(Optional) Tx UC packet
<i>tx_uc_byte_qos_0</i>	(Optional) Tx UC byte
<i>tx_uc_drop_pkt_qos_0</i>	(Optional) Drop UC packet
<i>tx_uc_drop_byte_qos_0</i>	(Optional) Drop UC byte
<i>qos_grp_span</i>	(Optional) stats for SPAN group

Command Mode

- /exec

show queuing tah-pfc-queue

```
show queuing tah-pfc-queue [ interface <if_list> ] [ module <module> ] [ detail ] [ __readonly__ [
TABLE_queuing_interface <if_name_str> [ TABLE_qosgrp_stats <eq-qosgrp> [ TABLE_qosgrp_stats_entry
<q-stat-type> <q-shutdown> <q-restored> <q-pkt-drained> <q-pkt-dropped> <q-total-pkt-dropped>
<q-aggr-pkt-dropped> <q-ingr-pkt-dropped> <q-aggr-ingr-pkt-dropped> ] ] [ TABLE_qosgrp_stats_summary
<qosgrp-summary> ] ] ]
```

Syntax Description

show	commands to display
queuing	Queuing related information
tah-pfc-queue	PFC Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
detail	(Optional) Show detailed PFC Queuing WD information
__readonly__	(Optional)
<i>if_name_str</i>	(Optional) interface name
TABLE_queuing_interface	(Optional) Queuing information of an interface
TABLE_qosgrp_stats	(Optional) Qos-group egress statistics
<i>eq-qosgrp</i>	(Optional) Qos-group value
TABLE_qosgrp_stats_entry	(Optional) Qos-group egress statistics entry
<i>q-stat-type</i>	(Optional) Queue stat
TABLE_qosgrp_stats_summary	(Optional) Qos-group egress statistics summary
<i>qosgrp-summary</i>	(Optional) Qos-group summary value

Command Mode

- /exec



R Show Commands

- [show radius-cfs](#), on page 2600
- [show radius-server](#), on page 2601
- [show radius-server](#), on page 2603
- [show radius-server directed-request](#), on page 2604
- [show radius-server groups](#), on page 2605
- [show radius-server sorted](#), on page 2606
- [show radius-server statistics](#), on page 2608
- [show radius status](#), on page 2610
- [show redundancy status](#), on page 2611
- [show regexp](#), on page 2613
- [show reload](#), on page 2614
- [show resource](#), on page 2615
- [show rmon](#), on page 2616
- [show role](#), on page 2618
- [show role feature-group](#), on page 2620
- [show role feature](#), on page 2621
- [show role status](#), on page 2622
- [show rollback log exec](#), on page 2623
- [show rollback status](#), on page 2624
- [show route-map](#), on page 2625
- [show route-map brief](#), on page 2626
- [show route-map dynamic](#), on page 2627
- [show route-map pbr-statistics](#), on page 2628
- [show router-guard](#), on page 2629
- [show router-guard](#), on page 2630
- [show routing-context](#), on page 2631
- [show routing](#), on page 2632
- [show routing clients](#), on page 2636
- [show routing hash](#), on page 2638
- [show routing hidden-nh](#), on page 2641
- [show routing ipv6](#), on page 2642
- [show routing ipv6 clients](#), on page 2645
- [show routing ipv6 hash](#), on page 2649

- [show routing ipv6 hidden-nh](#), on page 2652
- [show routing ipv6 memory estimate](#), on page 2653
- [show routing ipv6 memory statistics](#), on page 2655
- [show routing ipv6 multicast clients](#), on page 2657
- [show routing ipv6 multicast lisp encap](#), on page 2661
- [show routing ipv6 multicast mdt encapsulation](#), on page 2662
- [show routing ipv6 multicast memory estimate](#), on page 2663
- [show routing ipv6 multicast sr](#), on page 2665
- [show routing ipv6 nhlfe](#), on page 2667
- [show routing ipv6 recursive-next-hop](#), on page 2669
- [show routing memory estimate](#), on page 2670
- [show routing memory statistics](#), on page 2672
- [show routing multicast clients](#), on page 2674
- [show routing multicast lisp encap](#), on page 2678
- [show routing multicast mdt encapsulation](#), on page 2679
- [show routing multicast memory estimate](#), on page 2681
- [show routing multicast sr](#), on page 2683
- [show routing nhlfe](#), on page 2685
- [show routing recursive-next-hop](#), on page 2687
- [show routing vxlan-hash peer-ip](#), on page 2689
- [show routing vxlan-hash peer-ipv6](#), on page 2690
- [show rscn event-tov vsan](#), on page 2691
- [show rscn pending-diff vsan](#), on page 2692
- [show rscn pending vsan](#), on page 2693
- [show rscn scr-table](#), on page 2694
- [show rscn session status vsan](#), on page 2695
- [show rscn statistics](#), on page 2696
- [show running-config](#), on page 2697
- [show running-config aaa](#), on page 2698
- [show running-config acllog](#), on page 2699
- [show running-config aclmgr](#), on page 2700
- [show running-config adjmgr](#), on page 2701
- [show running-config all](#), on page 2702
- [show running-config arp](#), on page 2703
- [show running-config assoc](#), on page 2704
- [show running-config backup](#), on page 2705
- [show running-config bfd](#), on page 2706
- [show running-config bgp](#), on page 2707
- [show running-config bloggerd](#), on page 2708
- [show running-config callhome](#), on page 2709
- [show running-config cdp](#), on page 2710
- [show running-config cert-enroll](#), on page 2711
- [show running-config cfs](#), on page 2712
- [show running-config clock_manager](#), on page 2713
- [show running-config config-profile](#), on page 2714
- [show running-config controller](#), on page 2715

- [show running-config copp](#), on page 2716
- [show running-config dhcp](#), on page 2717
- [show running-config diagnostic](#), on page 2718
- [show running-config diff](#), on page 2719
- [show running-config dot1x](#), on page 2720
- [show running-config ecp](#), on page 2721
- [show running-config eem](#), on page 2722
- [show running-config eigrp](#), on page 2723
- [show running-config eltm](#), on page 2724
- [show running-config epbr](#), on page 2725
- [show running-config evb](#), on page 2726
- [show running-config exclude](#), on page 2727
- [show running-config expand-port-profile](#), on page 2728
- [show running-config fabric forwarding](#), on page 2729
- [show running-config fabric multicast](#), on page 2730
- [show running-config fabricpath](#), on page 2731
- [show running-config fabricpath domain default](#), on page 2732
- [show running-config fabricpath switch-id](#), on page 2733
- [show running-config fabricpath topology](#), on page 2734
- [show running-config fcoe_mgr](#), on page 2735
- [show running-config fsync_mgr](#), on page 2736
- [show running-config hardware-telemetry](#), on page 2737
- [show running-config hsrp](#), on page 2738
- [show running-config icam](#), on page 2739
- [show running-config icmpv6](#), on page 2740
- [show running-config igmp](#), on page 2741
- [show running-config imp](#), on page 2742
- [show running-config interface](#), on page 2743
- [show running-config interface](#), on page 2744
- [show running-config ip](#), on page 2745
- [show running-config ipqos](#), on page 2746
- [show running-config ipv6](#), on page 2747
- [show running-config isis](#), on page 2748
- [show running-config l3vm](#), on page 2749
- [show running-config ldap](#), on page 2750
- [show running-config license](#), on page 2751
- [show running-config lisp](#), on page 2752
- [show running-config lldp](#), on page 2753
- [show running-config macsec](#), on page 2754
- [show running-config mdns](#), on page 2755
- [show running-config mfwd](#), on page 2756
- [show running-config mfwdv6](#), on page 2757
- [show running-config mld](#), on page 2758
- [show running-config mmode](#), on page 2759
- [show running-config monitor](#), on page 2760
- [show running-config mpls static](#), on page 2761

- [show running-config mpls strip](#), on page 2762
- [show running-config msdp](#), on page 2763
- [show running-config nat](#), on page 2764
- [show running-config nbm](#), on page 2765
- [show running-config ngoam](#), on page 2766
- [show running-config ntp](#), on page 2767
- [show running-config nv overlay](#), on page 2768
- [show running-config nxsdk](#), on page 2769
- [show running-config ofm](#), on page 2770
- [show running-config openconfig](#), on page 2771
- [show running-config openflow](#), on page 2772
- [show running-config ospf](#), on page 2773
- [show running-config ospfv3](#), on page 2774
- [show running-config otv-isis](#), on page 2775
- [show running-config param-list](#), on page 2776
- [show running-config pim](#), on page 2777
- [show running-config pim6](#), on page 2778
- [show running-config poe](#), on page 2779
- [show running-config port-profile](#), on page 2780
- [show running-config port-security](#), on page 2781
- [show running-config ptp](#), on page 2782
- [show running-config radius](#), on page 2783
- [show running-config rip](#), on page 2784
- [show running-config routing ip multicast](#), on page 2785
- [show running-config routing ipv6 multicast](#), on page 2786
- [show running-config rpm](#), on page 2787
- [show running-config scheduler](#), on page 2788
- [show running-config section](#), on page 2789
- [show running-config security](#), on page 2790
- [show running-config segment-routing](#), on page 2791
- [show running-config service-reflect](#), on page 2792
- [show running-config services](#), on page 2793
- [show running-config services](#), on page 2794
- [show running-config sflow](#), on page 2795
- [show running-config sla responder](#), on page 2796
- [show running-config sla sender](#), on page 2797
- [show running-config sla twamp-server](#), on page 2798
- [show running-config snmp](#), on page 2799
- [show running-config spanning-tree](#), on page 2800
- [show running-config srte](#), on page 2801
- [show running-config switch](#), on page 2802
- [show running-config sync](#), on page 2803
- [show running-config tacacs](#), on page 2804
- [show running-config telemetry](#), on page 2805
- [show running-config track](#), on page 2806
- [show running-config tunnel-encryption](#), on page 2807

- [show running-config uddl](#), on page 2808
- [show running-config vdc-all](#), on page 2809
- [show running-config vdc](#), on page 2810
- [show running-config virtual-service](#), on page 2811
- [show running-config vlan](#), on page 2812
- [show running-config vlan](#), on page 2813
- [show running-config vlan](#), on page 2814
- [show running-config vmtracker](#), on page 2815
- [show running-config vpc](#), on page 2816
- [show running-config vrf](#), on page 2817
- [show running-config vrf default](#), on page 2818
- [show running-config vrrp](#), on page 2819
- [show running-config vrrpv3](#), on page 2820
- [show running-config vshd](#), on page 2821
- [show running-config vtp](#), on page 2822
- [show running-config wwnm](#), on page 2823
- [show running-config zone](#), on page 2824
- [show running-config zone vsan](#), on page 2825

show radius-cfs

```
show radius-cfs [ __readonly__ [ <distr_status> ] [ <session_status> ] [ <session_db> ] [ <merge_status> ] ]
```

Syntax Description

show	Show running system information
radius-cfs	Show radius cfs state
<i>__readonly__</i>	(Optional)
<i>distr_status</i>	(Optional) radius distribution status
<i>session_status</i>	(Optional) current session status
<i>session_db</i>	(Optional) status of session db
<i>merge_status</i>	(Optional) radius merge status

Command Mode

- /exec

show radius-server

```
show radius-server [ __readonly__ [ <global_secretKey> ] { <global_timeout> <retransmissionCount>
<global_deadtime> } [ <global_secure_mode> ] [ <global_source_intf> ] [ <global_idle_time> ] { [
<global_testUsername> ] [ <global_testPassword> ] } { <server_count> } [ TABLE_server <server_ip> [
<auth_port> ] [ <acct_port> ] [ <secretKey> ] [ <timeout> ] [ <retries> ] [ <tls_idle_timeout> ] [ <tls_client_tp>
] ] [ { <host0> <auth_port> <acct_port> <shared_key> <idle_time><test_username> <test_password> } + ]
]
```

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
<i>__readonly__</i>	(Optional)
<i>global_secretKey</i>	(Optional) Global shared secret
<i>global_timeout</i>	(Optional) Global timeout for radius
<i>retransmissionCount</i>	(Optional) Retransmission count when there is no server response
<i>global_deadtime</i>	(Optional) Global deadtime
<i>global_secure_mode</i>	(Optional) Global secure Radius mode
<i>global_source_intf</i>	(Optional) Radius global source interface
<i>global_idle_time</i>	(Optional) Radius global idle-time for server monitoring
<i>global_testUsername</i>	(Optional) Username of global test parameters
<i>global_testPassword</i>	(Optional) Password of global test parameters
<i>server_count</i>	(Optional) Total number of radius servers configured
TABLE_server	(Optional)
<i>server_ip</i>	(Optional) Ip address of the server
<i>auth_port</i>	(Optional) Authentication port used for this server
<i>acct_port</i>	(Optional) Accounting Port used for this server
<i>secretKey</i>	(Optional) Shared secret between the server and the radius client
<i>timeout</i>	(Optional) Timeout for this radius server
<i>retries</i>	(Optional) Retry count for individual servers
<i>tls_idle_timeout</i>	(Optional) Secure Radius TLS idle timeout
<i>tls_client_tp</i>	(Optional) Secure Radius TLS client trustpoint

<i>host0</i>	(Optional) DNS name or IP address
<i>auth_port</i>	(Optional) RADIUS server's port for authentication
<i>acct_port</i>	(Optional) RADIUS server's port for accounting
<i>shared_key</i>	(Optional) RADIUS shared secret
<i>test_password</i>	(Optional) User password in test packets

Command Mode

- /exec

show radius-server

```
show radius-server { <host> } [ __readonly__ { <host1> } [ <authen_port> ] [ <account_port> ] [ <share_key> ] [ <timeout> ] [ <retries> ] [ <tls_idle_timeout> [ <tls_client_tp> ] ] [ <secure_radius> ] [ <aid> ] <idle_tim> <test_user_name> <test_pwd> ]
```

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
<i>host</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>host1</i>	(Optional) DNS name or IP address
<i>authen_port</i>	(Optional) RADIUS server's port for authentication
<i>account_port</i>	(Optional) RADIUS server's port for accounting
<i>timeout</i>	(Optional) radius server timeout
<i>retries</i>	(Optional) radius server retry count
<i>tls_idle_timeout</i>	(Optional) Secure Radius TLS idle timeout
<i>tls_client_tp</i>	(Optional) Secure Radius TLS client trustpoint
<i>secure_radius</i>	(Optional) secure radius enabled or not
<i>aid</i>	(Optional) Authority identity
<i>share_key</i>	(Optional) RADIUS shared secret
<i>test_user_name</i>	(Optional) User name in test packets
<i>test_pwd</i>	(Optional) User password in test packets
<i>idle_tim</i>	(Optional) Time interval for monitoring the server

Command Mode

- /exec

show radius-server directed-request

show radius-server directed-request [__readonly__ { <radius_directedRequest_status> }]

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
directed-request	Show directed server enable configuration
__readonly__	(Optional)
<i>radius_directedRequest_status</i>	(Optional) status of radius-server directed request

Command Mode

- /exec

show radius-server groups

```
show radius-server groups [ <s0> ] [ __readonly__ [ <num_of_groups> ] TABLE_group <group_name> [
TABLE_server <server_ip> [ <auth_port> ] [ <acct_port> ] ] [ <dead_time> ] [ <vrf_name> ] [
<source_interface> ] ]
```

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
groups	Show RADIUS server group configuration information
<i>s0</i>	(Optional) RADIUS server group name
<i>__readonly__</i>	(Optional)
<i>num_of_groups</i>	(Optional) number of groups
TABLE_group	(Optional)
<i>group_name</i>	(Optional) name of the group
TABLE_server	(Optional)
<i>server_ip</i>	(Optional) DNS name or IP address
<i>auth_port</i>	(Optional) radius server authentication port
<i>acct_port</i>	(Optional) radius server accounting port
<i>dead_time</i>	(Optional) Time interval for which the server is marked as dead before sending a test command
<i>vrf_name</i>	(Optional) name of the vrf
<i>source_interface</i>	(Optional) Interface Description

Command Mode

- /exec

show radius-server sorted

```
show radius-server sorted [ __readonly__ [ <global_secretKey> ] { <global_timeout> <retransmissionCount>
<global_deadtime> } [ <global_secure_mode> ] [ <global_source_intf> ] [ <global_idle_time> ] { [
<global_testUsername> ] [ <global_testPassword> ] } { <server_count> } [ TABLE_server <server_ip> [
<auth_port> ] [ <acct_port> ] [ <secretKey> ] [ <timeout> ] [ <retries> ] [ <tls_idle_timeout> ] [ <tls_client_tp>
] ] ]
```

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
sorted	Show RADIUS servers sorted by name
<i>__readonly__</i>	(Optional)
<i>global_secretKey</i>	(Optional) Global shared secret
<i>global_timeout</i>	(Optional) Global timeout for radius
<i>retransmissionCount</i>	(Optional) Retransmission count when there is no server response
<i>global_deadtime</i>	(Optional) Global deadtime
<i>global_secure_mode</i>	(Optional) Global secure Radius mode
<i>global_source_intf</i>	(Optional) Radius global source interface
<i>global_idle_time</i>	(Optional) Radius global idle-time for server monitoring
<i>global_testUsername</i>	(Optional) Username of global test parameters
<i>global_testPassword</i>	(Optional) Password of global test parameters
<i>server_count</i>	(Optional) Total number of radius servers configured
TABLE_server	(Optional)
<i>server_ip</i>	(Optional) Ip address of the server
<i>auth_port</i>	(Optional) Authentication port used for this server
<i>acct_port</i>	(Optional) Accounting Port used for this server
<i>secretKey</i>	(Optional) Shared secret between the server and the radius client
<i>timeout</i>	(Optional) Timeout for this radius server
<i>retries</i>	(Optional) Retry count for individual servers
<i>tls_idle_timeout</i>	(Optional) Secure Radius TLS idle timeout
<i>tls_client_tp</i>	(Optional) Secure Radius TLS client trustpoint

Command Mode

- /exec

show radius-server statistics

```
show radius-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics
<time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions>
<auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match>
<auth_resp_not_processed> <auth_resp_error> } { acct_statistics <acct_failed_transactions>
<acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match>
<acct_resp_not_processed> <acct_resp_error> } } ]
```

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
statistics	Show RADIUS statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
monitoring_statistics	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
auth_statistics	(Optional) Authentication Statistics
acct_statistics	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions

<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timedout</i>	(Optional) Accounting: Requests timedout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

show radius status

```
show radius status [ __readonly__ [ <distr_status> ] [ <session_status> ] [ <session_owner> ] [ <session_db> ] [ <last_operation> ] [ <last_operation_status> ] [ <fail_code> ] ]
```

Syntax Description

show	Show running system information
radius	Show RADIUS Information
status	Show RADIUS cfs distribution status
<i>__readonly__</i>	(Optional)
<i>distr_status</i>	(Optional) radius distribution status
<i>session_status</i>	(Optional) current session status
<i>session_owner</i>	(Optional) owner of the current distribution session
<i>session_db</i>	(Optional) status of session db
<i>last_operation</i>	(Optional) last_operation
<i>last_operation_status</i>	(Optional) status of the last operation
<i>fail_code</i>	(Optional) reason for the failure of last operation

Command Mode

- /exec

show redundancy status

```
show redundancy status [ __readonly__ <rmode_admin> <rmode_opr> <this_sup> <this_sup_rd_st>
<this_sup_sup_st> <this_sup_int_st> <oth_sup> <oth_sup_rd_st> <oth_sup_sup_st> <oth_sup_int_st>
<sys_strt_time> <sys_uptm_days> <sys_uptm_hrs> <sys_uptm_mins> <sys_uptm_secs> <kern_uptm_days>
<kern_uptm_hrs> <kern_uptm_mins> <kern_uptm_secs> <asup_uptm_days> <asup_uptm_hrs>
<asup_uptm_mins> <asup_uptm_secs> ]
```

Syntax Description

show	
redundancy	Show system redundancy status
status	Current redundancy status
<i>__readonly__</i>	(Optional)
<i>rmode_admin</i>	(Optional)
<i>rmode_opr</i>	(Optional)
<i>this_sup</i>	(Optional)
<i>this_sup_rd_st</i>	(Optional)
<i>this_sup_sup_st</i>	(Optional)
<i>this_sup_int_st</i>	(Optional)
<i>oth_sup</i>	(Optional)
<i>oth_sup_rd_st</i>	(Optional)
<i>oth_sup_sup_st</i>	(Optional)
<i>oth_sup_int_st</i>	(Optional)
<i>sys_strt_time</i>	(Optional)
<i>sys_uptm_days</i>	(Optional)
<i>sys_uptm_hrs</i>	(Optional)
<i>sys_uptm_mins</i>	(Optional)
<i>sys_uptm_secs</i>	(Optional)
<i>kern_uptm_days</i>	(Optional)
<i>kern_uptm_hrs</i>	(Optional)
<i>kern_uptm_mins</i>	(Optional)
<i>kern_uptm_secs</i>	(Optional)

<i>asup_uptm_days</i>	(Optional)
<i>asup_uptm_hrs</i>	(Optional)
<i>asup_uptm_mins</i>	(Optional)
<i>asup_uptm_secs</i>	(Optional)

Command Mode

- /exec

show regexp

```
show { ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 { unicast | multicast } ] } regexp <regexp-str> [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	Display BGP information for all address families
regexp	Display routes matching the AS path regular expression
<i>regexp-str</i>	Regular expression to match the AS paths

Command Mode

- /exec

show reload

show reload [__readonly__ <reload-schedule>]

Syntax Description

show	Show running system information
reload	Display information about scheduled reload
__readonly__	(Optional)
<i>reload-schedule</i>	(Optional) Reload scheduling info

Command Mode

- /exec

show resource

```
show resource [ <res-mgr-res-known-name> ] [ hidden-too | with-flags ] [ __readonly__ {
TABLE_vdc_resource_local <res_name> <min> <max> <used> <unused> <free> } ]
```

Syntax Description

show	Show running system information
resource	Show resource configuration for VDC
<i>res-mgr-res-known-name</i>	(Optional) Resource name
hidden-too	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
with-flags	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional) Read Only
TABLE_vdc_resource_local	(Optional)
<i>res_name</i>	(Optional) Resource Name
<i>min</i>	(Optional) Resource min configuration
<i>max</i>	(Optional) Resource max configuration
<i>used</i>	(Optional) Resource current usage for this VDC
<i>unused</i>	(Optional) Resource reserved for this VDC but currently not used
<i>free</i>	(Optional) Resource current free for this VDC

Command Mode

- /exec

show rmon

```
show rmon { alarms | events | hcalarms | info | logs } [ __readonly__ [ TABLE_rmon_alarm { <alarm-str>
<ascii-buf-str> <samp-type-str> <ris-trshod-str> <fall-trshod-str> <start-enable-str> } ] [ TABLE_rmon_event
{ <ev-alaran-str> <ev-desc-str> <ev-fir-cause> <last-fired> } ] [ TABLE_rmon_hcala { <hc-alaran-str>
<hc-ascii-buf-str> <hc-sam-ty-str> <hc-ris-thresh-str> <hc-fal-thresh-str> <start-alm-str> <fail-attem-str> }
] [ TABLE_rmon_info { <max-32-64-ala-str> <max-conf-32-ala-str> <max-conf-64-ala-str> } ] [
TABLE_rmon_log { <event-id-str> <rmon-pch> [ <log-buff-str> ] <log-oid> } ] ]
```

Syntax Description

show	Show running system information
rmon	Display RMON statistics
alarms	Display the RMON alarm table
events	Display the RMON event table
hcalarms	Display the RMON HC(High Capacity) Alarm table
info	Display the RMON info
logs	Display the RMON event log table
__readonly__	(Optional)
TABLE_rmon_alarm	(Optional)
<i>alarm-str</i>	(Optional)
<i>ascii-buf-str</i>	(Optional)
<i>samp-type-str</i>	(Optional)
<i>ris-trshod-str</i>	(Optional)
<i>fall-trshod-str</i>	(Optional)
<i>start-enable-str</i>	(Optional)
TABLE_rmon_event	(Optional)
<i>ev-alaran-str</i>	(Optional)
<i>ev-desc-str</i>	(Optional)
<i>ev-fir-cause</i>	(Optional)
<i>last-fired</i>	(Optional)
TABLE_rmon_hcala	(Optional)
<i>hc-alaran-str</i>	(Optional)

<i>hc-ascii-buf-str</i>	(Optional)
<i>hc-sam-ty-str</i>	(Optional)
<i>hc-ris-thresh-str</i>	(Optional)
<i>hc-fal-thresh-str</i>	(Optional)
<i>start-alm-str</i>	(Optional)
<i>fail-attem-str</i>	(Optional)
TABLE_rmon_info	(Optional)
<i>max-32-64-ala-str</i>	(Optional)
<i>max-conf-32-ala-str</i>	(Optional)
<i>max-conf-64-ala-str</i>	(Optional)
TABLE_rmon_log	(Optional)
<i>event-id-str</i>	(Optional)
<i>rmon-pch</i>	(Optional)
<i>log-buff-str</i>	(Optional)
<i>log-oid</i>	(Optional)

Command Mode

- /exec

show role

```
show role [ name <arg3> ] [ __readonly__ { TABLE_role <role_name> <role_description> [ <attribute_scope> ] [ <permit_vsan> ] [ <permit_vlan> ] [ <permit_vlan_id> ] [ <permit_interface> ] [ <permit_interface_slot> ] [ <permit_vrf> ] [ TABLE_vrf<permit_vrf_name> ] [ { TABLE_rule <rule_num> <rule_action> { <rule_permission> | <rule_permission_mds> } [ <rule_featuretype> ] [ <rule_entity> ] } } ]
```

Syntax Description

show	Show running system information
role	Show role configuration
name	(Optional) Enter the role name
arg3	(Optional) Enter the role name
__readonly__	(Optional)
TABLE_role	(Optional)
role_name	(Optional)
role_description	(Optional)
attribute_scope	(Optional)
permit_vsan	(Optional)
permit_vlan	(Optional)
permit_vlan_id	(Optional)
permit_interface	(Optional)
permit_interface_slot	(Optional)
permit_vrf	(Optional)
TABLE_rule	(Optional)
rule_num	(Optional)
rule_action	(Optional)
rule_permission	(Optional)
rule_permission_mds	(Optional)
rule_featuretype	(Optional)
rule_entity	(Optional)

Command Mode

- /exec

show role feature-group

```
show role feature-group [ name <arg4> ] [ detail ] [ __readonly__ TABLE_role_feature_group
<feature_group_name> TABLE_role_feature <feature_name> [ TABLE_role_feature_rule <feature_rule> ]
]
```

Syntax Description

show	Show running system information
role	Show role configuration
feature-group	Role feature group
name	(Optional) Enter the feature-group name
<i>arg4</i>	(Optional) Feature-group name
detail	(Optional) Detailed information including feature rules
<i>__readonly__</i>	(Optional)
TABLE_role_feature_group	(Optional)
<i>feature_group_name</i>	(Optional)
TABLE_role_feature	(Optional)
<i>feature_name</i>	(Optional)
TABLE_role_feature_rule	(Optional)
<i>feature_rule</i>	(Optional)

Command Mode

- /exec

show role feature

```
show role feature [ name <arg5> | detail ] [ __readonly__ TABLE_role_feature <feature_name> [
TABLE_role_feature_rule <feature_rule> ] ]
```

Syntax Description

show	Show running system information
role	Show role configuration
feature	Role feature
name	(Optional) Enter the feature name
<i>arg5</i>	(Optional) Feature name
detail	(Optional) Detailed information including feature rules
<i>__readonly__</i>	(Optional)
TABLE_role_feature	(Optional)
<i>feature_name</i>	(Optional)
TABLE_role_feature_rule	(Optional)
<i>feature_rule</i>	(Optional)

Command Mode

- /exec

show role status

show role status

Syntax Description

show	Show running system information
role	Show role configuration
status	Display role status

Command Mode

- /exec

show rollback log exec

```
show rollback log { exec | verify } [ __readonly__ [ <log_entry> + ] ]
```

Syntax Description

show	Show running system information
rollback	Show rollback
log	show rollback log
exec	show rollback execution log
verify	show rollback verify log
<i>__readonly__</i>	(Optional) Read only
<i>log_entry</i>	(Optional) log entry from rollback log

Command Mode

- /exec

show rollback status

```
show rollback status [ __readonly__ <last_operation> [ <rollback_type> ] [ <name> ] [ <start_time> ] [ <end_time> ] [ <operation_status> ] ]
```

Syntax Description

show	Show running system information
rollback	show rollback
status	show status of last rollback operation
<i>__readonly__</i>	(Optional) Read only
<i>last_operation</i>	(Optional) last operation
<i>rollback_type</i>	(Optional) rollback type
<i>name</i>	(Optional) name
<i>start_time</i>	(Optional) start time
<i>end_time</i>	(Optional) end time
<i>operation_status</i>	(Optional) operation status

Command Mode

- /exec

show route-map

```
show route-map [ <route-map-name> | <route-map-cfg-name> ] [ __readonly__ TABLE_rmap <name>
<action> <seq> [ <descript> ] [ <continue> ] [ { TABLE_rmap_match <match_type> <match_stmt> } ] [ {
TABLE_rmap_set <set_type> <set_stmt> } ] ]
```

Syntax Description

show	Show running system information
route-map	Route-map information
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-cfg-name</i>	(Optional) Known route-map name
<i>__readonly__</i>	(Optional)
TABLE_rmap	(Optional)
TABLE_rmap_match	(Optional)
TABLE_rmap_set	(Optional)
<i>name</i>	(Optional)
<i>action</i>	(Optional)
<i>seq</i>	(Optional)
<i>descript</i>	(Optional)
<i>continue</i>	(Optional)
<i>match_type</i>	(Optional)
<i>match_stmt</i>	(Optional)
<i>set_type</i>	(Optional)
<i>set_stmt</i>	(Optional)

Command Mode

- /exec

show route-map brief

```
show route-map [ <route-map-name> | <route-map-cfg-name> ] brief [ __readonly__ TABLE_feature_rmap
<validate_applied> TABLE_rmap <name> [ { TABLE_rmap_client <client_name> } ] ]
```

Syntax Description

show	Show running system information
route-map	Route-map information
brief	Show client list that uses this route-map
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-cfg-name</i>	(Optional) Known route-map name
<i>__readonly__</i>	(Optional)
TABLE_feature_rmap	(Optional)
TABLE_rmap	(Optional)
TABLE_rmap_client	(Optional)
<i>validate_applied</i>	(Optional)
<i>name</i>	(Optional)
<i>client_name</i>	(Optional)

Command Mode

- /exec

show route-map dynamic

```
show route-map dynamic [ <route-map-name> | <route-map-cfg-name> ] [ __readonly__ TABLE_rmap
<name> <action> <seq> [ <descript> ] [ <continue> ] [ { TABLE_rmap_match <match_type> <match_stmt>
} ] [ { TABLE_rmap_set <set_type> <set_stmt> } ] ]
```

Syntax Description

show	Show running system information
route-map	Route-map information
dynamic	Dynamically created route-map
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-cfg-name</i>	(Optional) Known route-map name
<i>__readonly__</i>	(Optional)
TABLE_rmap	(Optional)
TABLE_rmap_match	(Optional)
TABLE_rmap_set	(Optional)
<i>name</i>	(Optional)
<i>action</i>	(Optional)
<i>seq</i>	(Optional)
<i>descript</i>	(Optional)
<i>continue</i>	(Optional)
<i>match_type</i>	(Optional)
<i>match_stmt</i>	(Optional)
<i>set_type</i>	(Optional)
<i>set_stmt</i>	(Optional)

Command Mode

- /exec

show route-map pbr-statistics

```
show route-map { <pbr_rmap_name> | <pbr_rmap_cfg_name> } pbr-statistics [ __readonly__ TABLE_rmap
{ TABLE_pbr <tag> <action> <seq> <pbr_pkt_count> } <dflt_rtg_pkt_count> ]
```

Syntax Description

show	Show running system information
route-map	Route-map information
<i>pbr_rmap_name</i>	Route-map name
<i>pbr_rmap_cfg_name</i>	Known route-map name
pbr-statistics	PBR statistics
<i>__readonly__</i>	(Optional)
TABLE_rmap	(Optional)
TABLE_pbr	(Optional)
<i>tag</i>	(Optional)
<i>action</i>	(Optional)
<i>seq</i>	(Optional)
<i>pbr_pkt_count</i>	(Optional)
<i>dflt_rtg_pkt_count</i>	(Optional)

Command Mode

- /exec

show router-guard

```
show router-guard [ vlan <vlan_id> ] [ __readonly__ [ TABLE_vlanid { <vlanid>
<globally-enabled-switch-port> } [ TABLE_if [ <disabled-if> ] ] ] ]
```

Syntax Description

show	Show running system information
router-guard	Shows router guard config details for all interfaces
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID
<i>__readonly__</i>	(Optional)
TABLE_vlanid	(Optional)
<i>vlanid</i>	(Optional)
<i>globally-enabled-switch-port</i>	(Optional)
TABLE_if	(Optional)
<i>disabled-if</i>	(Optional)

Command Mode

- /exec

show router-guard

```
show router-guard [ vlan <vlan_id> ] [ __readonly__ [ TABLE_vlanid { <vlanid>
<globally-enabled-switch-port> } [ TABLE_if [ <disabled-if> ] ] ] ] ]
```

Syntax Description

show	Show running system information
router-guard	Shows router guard config details for all interfaces
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID
<i>__readonly__</i>	(Optional)
TABLE_vlanid	(Optional)
<i>vlanid</i>	(Optional)
<i>globally-enabled-switch-port</i>	(Optional)
TABLE_if	(Optional)
<i>disabled-if</i>	(Optional)

Command Mode

- /exec

show routing-context

show routing-context [__readonly__ <routing-con>]

Syntax Description

show	Show running system information
routing-context	Display the current routing context
__readonly__	(Optional)
<i>routing-con</i>	(Optional)

Command Mode

- /exec

show routing

```
show routing [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr> | {
<ip-prefix> [ { longer-prefixes | shorter-prefixes } ] ] [ { <protocol> [ all ] } | { bind-label <bind-lbl> |
next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [ since <stime>
] [ until <utime> ] } } ] + [ summary [ cached ] | detail | summary-counter-consistency-check ] [ vrf {
<vrf-name> | <vrf-known-name> | <vrf-all> } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf
<addrf> [ TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [ <ipnexthop>
] [ <ipv6nexthop> ] [ <nexthop-vrf-name> ] [ <ifname> ] [ <bindlbl> ] [ <uptime> <pref> <metric> <clientname>
] [ <linkbw> ] [ <type> ] [ <tag> ] [ <stale> ] [ <unres> ] [ <hidden> ] [ <stale-label> ] [ <bgpbackuppath> ] [
<type2> ] [ <remote-sid> ] [ <src-ip> ] [ <sid-ct> ] [ <bsid> ] [ <ubest> ] [ <mbest> ] ] [ TABLE_summary
<routes> <paths> [ <multicast_paths> ] [ TABLE_unicast [ <clientnameuni> ] [ <best-paths> ] [ <backup-paths>
] ] [ TABLE_multicast [ <clientnamemulti> ] [ <best-paths> ] [ <backup-paths> ] ] [ TABLE_route_count [
<mask_len> ] [ <count> ] ] ] ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
<i>ip-addr</i>	(Optional) Display single route longest match lookup
<i>ip-prefix</i>	(Optional) Display single exact match route
longer-prefixes	(Optional) Display matching routes with mask-lengths \geq prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths \leq prefix
<i>protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too

bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
<i>next-hop</i>	(Optional) Next hop address
next-hop-v6	(Optional) Display routes with this V6 next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
detail	(Optional) Display routes in full detail
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<u>__readonly__</u>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_addrf	(Optional)
<i>addrf</i>	(Optional)
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>ucast-nhops</i>	(Optional)
<i>mcast-nhops</i>	(Optional)
<i>attached</i>	(Optional)
TABLE_path	(Optional)
<i>ipnexthop</i>	(Optional)
<i>nexthop-vrf-name</i>	(Optional)

<i>ifname</i>	(Optional)
<i>bindlbl</i>	(Optional)
<i>uptime</i>	(Optional)
<i>pref</i>	(Optional)
<i>metric</i>	(Optional)
<i>clientname</i>	(Optional)
<i>linkbw</i>	(Optional)
<i>type</i>	(Optional)
<i>tag</i>	(Optional)
<i>stale</i>	(Optional)
<i>unres</i>	(Optional)
<i>hidden</i>	(Optional)
<i>stale-label</i>	(Optional)
<i>bgpbackuppath</i>	(Optional)
<i>type2</i>	(Optional)
<i>remote-sid</i>	(Optional)
<i>sid-fct</i>	(Optional)
<i>ubest</i>	(Optional)
<i>mbest</i>	(Optional)
TABLE_summary	(Optional)
<i>routes</i>	(Optional)
<i>paths</i>	(Optional)
<i>multicast_paths</i>	(Optional)
TABLE_unicast	(Optional)
<i>clientnameuni</i>	(Optional)
<i>best-paths</i>	(Optional)
<i>backup-paths</i>	(Optional)
TABLE_multicast	(Optional)
<i>clientnamemulti</i>	(Optional)

<i>best-paths</i>	(Optional)
<i>backup-paths</i>	(Optional)
TABLE_route_count	(Optional)
<i>mask_len</i>	(Optional)
<i>count</i>	(Optional)

Command Mode

- /exec

show routing clients

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] clients [ <client> | <protocol> ] [ __readonly__ { TABLE_client <client_name> [
<stale_reason> ] <pib_index> <epid> [ <mts_sap> ] [ <mts_sap_str> ] <mru_cache_hits> <mru_cache_misses>
<pib_stale_time> <pss_created> [ <bad_l3vm_table_refcount> ] [ <pib_stale_timer> ] [ { TABLE_nib_node
<uribtibtype_contextname> [ <all_igp> ] [ <self> ] [ <all> ] [ <unib_notify_mask> ] <routes> <rnhs> <labels>
[ <convg_req_mask> ] [ <convg_send_mask> ] [ <utib_state> ] [ <pending_timer> ] [ <urib_state_invalid>
} ] [ { TABLE_msgs_rcvd <urib_mtype_str> <upib_rcvd> } ] [ { TABLE_msgs_sent <urib_mtype_str>
<upib_sent> } ] ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
clients	Display urib client information
<i>client</i>	(Optional) Display single urib client information
<i>protocol</i>	(Optional) Display single urib client information
__readonly__	(Optional)
TABLE_client	(Optional)
<i>client_name</i>	(Optional)
<i>stale_reason</i>	(Optional)
<i>pib_index</i>	(Optional)
<i>epid</i>	(Optional)
<i>mts_sap</i>	(Optional)

<i>mts_sap_str</i>	(Optional)
<i>mru_cache_hits</i>	(Optional)
<i>mru_cache_misses</i>	(Optional)
<i>plib_stale_time</i>	(Optional)
<i>pss_created</i>	(Optional)
<i>bad_l3vm_table_refcount</i>	(Optional)
<i>plib_stale_timer</i>	(Optional)
TABLE_nib_node	(Optional)
<i>uribtibtype_contextname</i>	(Optional)
<i>all_igp</i>	(Optional)
<i>self</i>	(Optional)
<i>all</i>	(Optional)
<i>unib_notify_mask</i>	(Optional)
<i>routes</i>	(Optional)
<i>rnhs</i>	(Optional)
<i>labels</i>	(Optional)
<i>convg_req_mask</i>	(Optional)
<i>convg_send_mask</i>	(Optional)
<i>utib_state</i>	(Optional)
<i>pending_timer</i>	(Optional)
<i>urib_state_invalid</i>	(Optional)
TABLE_msgs_rcvd	(Optional)
<i>urib_mtype_str</i>	(Optional)
<i>upib_rcvd</i>	(Optional)
TABLE_msgs_sent	(Optional)
<i>urib_mtype_str</i>	(Optional)
<i>upib_sent</i>	(Optional)

Command Mode

- /exec

show routing hash

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] hash <source> <dest> [ ip-proto <ip-proto> ] { [ gtpu-teid <gtpu-teid> ] } | { [ ttl [ <ttl>
[ dest-port <dest-port> ] ] ] } | { [ udf <value> length <length> [ dest-port <dest-port> ] ] } | { [ <src-port>
<dest-port> ] } [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name> | <vrf-known-name>
| <vrf-all> } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> TABLE_hashpath <mcast>
<hashpath> <hash-val> TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path
<ubest> <mbest> <ipnexthop> <ifname> <pref> <metric> <uptime> <clientname> [ <type> ] [ <tag> ] [
<stale> ] [ <unres> ] [ <hidden> ] [ <stale-label> ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hash	Display load-balancing hash information
<i>source</i>	Source IPv4 address of unicast flow or group address for multicast flow
<i>dest</i>	Destination IPv4 address of unicast flow or source address for multicast flow
<i>src-port</i>	(Optional) Source-port
<i>dest-port</i>	(Optional) Destination-port
in-interface	(Optional) Incoming Interface for Packet.Option valid on Tomahawk platform only
<i>in-interface</i>	(Optional) Interface Name
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet

<code>gtpu-teid</code>	(Optional) GTPu TEID for the packet
<i>gtpu-teid</i>	(Optional) GTPu TEID for the packet
<code>ttl</code>	(Optional) TTL value for the packet
<i>ttl</i>	(Optional) TTL value for the packet
<code>udf</code>	(Optional) UDF information for the packet
<i>value</i>	(Optional) UDF value for the packet
<code>length</code>	(Optional) Length in bits from udf offset
<i>length</i>	(Optional) Enter Length in bits from udf offset
<code>dest-port</code>	(Optional) Destination-port
<i>dest-port</i>	(Optional) Destination-port
<code>module</code>	(Optional) Module
<i>module-id</i>	(Optional) Module
<code>__readonly__</code>	(Optional)
<code>TABLE_vrf</code>	(Optional)
<i>vrf-name-out</i>	(Optional)
<code>TABLE_addrf</code>	(Optional)
<i>addrf</i>	(Optional)
<code>TABLE_hashpath</code>	(Optional)
<i>mcast</i>	(Optional)
<i>hashpath</i>	(Optional)
<i>hash-val</i>	(Optional)
<code>TABLE_prefix</code>	(Optional)
<i>ipprefix</i>	(Optional)
<i>ucast-nhops</i>	(Optional)
<i>mcast-nhops</i>	(Optional)
<i>attached</i>	(Optional)
<code>TABLE_path</code>	(Optional)
<i>ubest</i>	(Optional)
<i>mbest</i>	(Optional)

<i>ipnexthop</i>	(Optional)
<i>ifname</i>	(Optional)
<i>pref</i>	(Optional)
<i>metric</i>	(Optional)
<i>uptime</i>	(Optional)
<i>clientname</i>	(Optional)
<i>type</i>	(Optional)
<i>tag</i>	(Optional)
<i>stale</i>	(Optional)
<i>unres</i>	(Optional)
<i>hidden</i>	(Optional)
<i>stale-label</i>	(Optional)

Command Mode

- /exec

show routing hidden-nh

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] hidden-nh [ __readonly__ <uribtibtype_contextname> [ <utibtibtype_topologyname> ]
{ TABLE_hidden_nh <hidden_nh_uhn_prefix> <hidden_nh_uhn_mask_len> <pib> <rnh> <rnh_mask_len>
} ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hidden-nh	Display hidden next-hop information
<i>__readonly__</i>	(Optional)
<i>uribtibtype_contextname</i>	(Optional)
<i>utibtibtype_topologyname</i>	(Optional)
TABLE_hidden_nh	(Optional)
<i>hidden_nh_uhn_prefix</i>	(Optional)
<i>hidden_nh_uhn_mask_len</i>	(Optional)
<i>pib</i>	(Optional)
<i>rnh</i>	(Optional)
<i>rnh_mask_len</i>	(Optional)

Command Mode

- /exec

show routing ipv6

```
show routing ipv6 [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ipv6-addr> | { <ipv6-prefix>
[ { longer-prefixes | shorter-prefixes } ] } ] [ { <ipv6-protocol> [ all ] } | { bind-label <bind-lbl> | next-hop
<next-hop> } | { interface <interface> } | { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary [
cached ] | summary-counter-consistency-check | { [ detail ] [ deleted ] } ] [ vrf { <vrf-name> |
<vrf-known-name> | <vrf-all> } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [
TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> [ <attached> ] TABLE_path [ <ubest> ] [ <mbest>
] [ <ipnexthop> ] [ <nexthop-vrf-name> ] [ <ifname> ] [ <bindlbl> ] [ <srv6-funct> ] <uptime> <pref> <metric>
<clientname> [ <linkbw> ] [ <type> ] [ <tag> ] [ <stale> ] [ <stalelbl> ] [ <hidden> ] [ <remote-sid> ] [
<src-ip> ] [ <sid-fct> ] [ <bsid> ] ] [ TABLE_summary <routes> <paths> [ <multicast_paths> ] [
TABLE_unicast [ <clientnameuni> ] [ <best-paths> ] [ <backup-paths> ] ] [ TABLE_multicast [
<clientnamemulti> ] [ <best-paths> ] [ <backup-paths> ] ] [ TABLE_route_count [ <mask_len> ] [ <count>
] ] ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
l3vm-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rpf	(Optional) Display RPF information for multicast source
longer-prefixes	(Optional) Display matching routes with mask-lengths >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
<i>ipv6-protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
<i>srv6-funct</i>	(Optional) Srv6 function

next-hop	(Optional) Display routes with this next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deleted	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display routes in full detail
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_addrf	(Optional)
<i>addrf</i>	(Optional)
TABLE_prefix	(Optional)
<i>ucast-nhops</i>	(Optional)
<i>mcast-nhops</i>	(Optional)
<i>attached</i>	(Optional)
TABLE_path	(Optional)
<i>ubest</i>	(Optional)
<i>mbest</i>	(Optional)
<i>nexthop-vrf-name</i>	(Optional)
<i>ifname</i>	(Optional)
<i>bindlbl</i>	(Optional)
<i>pref</i>	(Optional)

<i>tag</i>	(Optional)
<i>metric</i>	(Optional)
<i>uptime</i>	(Optional)
<i>clientname</i>	(Optional)
<i>linkbw</i>	(Optional)
<i>type</i>	(Optional)
<i>stale</i>	(Optional)
<i>stalelbl</i>	(Optional)
<i>hidden</i>	(Optional)
<i>remote-sid</i>	(Optional)
<i>sid-fct</i>	(Optional)
TABLE_summary	(Optional)
<i>routes</i>	(Optional)
<i>paths</i>	(Optional)
<i>multicast_paths</i>	(Optional)
TABLE_unicast	(Optional)
<i>clientnameuni</i>	(Optional)
<i>best-paths</i>	(Optional)
<i>backup-paths</i>	(Optional)
TABLE_multicast	(Optional)
<i>clientnamemulti</i>	(Optional)
<i>best-paths</i>	(Optional)
<i>backup-paths</i>	(Optional)
TABLE_route_count	(Optional)
<i>mask_len</i>	(Optional)
<i>count</i>	(Optional)

Command Mode

- /exec

show routing ipv6 clients

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ]
clients [ <client> | <ipv6-protocol> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ __readonly__
{ TABLE_client <client_name> <pib_index> <pib_state> [ <stale_reason> ] <pib_id>
<multicast_or_unicast_pib> <mru_cache_hits> <mru_cache_misses> [ <mts_sap> ] [ <mts_sap_str> ] [
<bad_l3vm_table_refcount> ] <pib_stale_time> [ { TABLE_nib_node <u6ribtibtype_contextname> <routes>
<rnh> [ { TABLE_notiferee_mask [ <u6pib_name> ] [ <index> } ] ] [ <u6tib_state> ] [ <pending_timer> ]
[ <u6rib_state_invalid> ] [ <u6nib_notifier_all> ] [ { TABLE_notify_rcd <notify_rcd_name>
<notify_rcd_handle> [ <notifier_pib_u6pib_index> } ] ] [ { TABLE_notiferee_nib <notiferee_pib_u6pib_name>
<u6nib_notify_handle> } ] ] ] [ { TABLE_ready_client_event_queue <queue_name><queue_count> [ {
TABLE_client_event <event> <use_buf> <sched> <resend> <buf> [ <state> } ] } ] [ {
TABLE_buffer_rqst_client_event_queue <queue_name><queue_count> [ { TABLE_client_event <event>
<use_buf> <sched> <resend> <buf> [ <state> } ] } ] ] <update_ack_queue_count> [ { TABLE_update_ack
<update_ack> <update_ack_data> <update_ack_type> <update_ack_xid> } ] ] [ {
TABLE_route_buffer_used_queue <queue_name> <queue_count> [ { TABLE_clt_buf
<clt_buf><clt_buf_count><clt_buf_xid> } ] } ] [ { TABLE_rnh_buffer_used_queue <queue_name>
<queue_count> [ { TABLE_clt_buf <clt_buf><clt_buf_count><clt_buf_xid> } ] } ] [ { TABLE_msgs_rcvd
<u6rib_mtype_str><u6pib_rcvd> } ] [ { TABLE_msgs_sent <u6rib_mtype_str><u6pib_sent> } ] } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
clients	Display u6rib client information
<i>client</i>	(Optional) Display single u6rib client information
<i>ipv6-protocol</i>	(Optional) Display single u6rib client information
__readonly__	(Optional)
TABLE_client	(Optional)
<i>client_name</i>	(Optional)

<i>pib_index</i>	(Optional)
<i>pib_state</i>	(Optional)
<i>stale_reason</i>	(Optional)
<i>pib_id</i>	(Optional)
<i>multicast_or_unicast_pib</i>	(Optional)
<i>mru_cache_hits</i>	(Optional)
<i>mru_cache_misses</i>	(Optional)
<i>mts_sap</i>	(Optional)
<i>mts_sap_str</i>	(Optional)
<i>bad_l3vm_table_refcount</i>	(Optional)
<i>pib_stale_time</i>	(Optional)
TABLE_nib_node	(Optional)
<i>u6ribtibtype_contextname</i>	(Optional)
<i>routes</i>	(Optional)
<i>rnhs</i>	(Optional)
TABLE_notifeee_mask	(Optional)
<i>u6pib_name</i>	(Optional)
<i>index</i>	(Optional)
<i>u6tib_state</i>	(Optional)
<i>pending_timer</i>	(Optional)
<i>u6rib_state_invalid</i>	(Optional)
<i>u6nib_notifier_all</i>	(Optional)
TABLE_notify_rcd	(Optional)
<i>notify_rcd_name</i>	(Optional)
<i>notify_rcd_handle</i>	(Optional)
<i>notifier_pib_u6pib_index</i>	(Optional)
TABLE_notiffee_nib	(Optional)
<i>notiffee_pib_u6pib_name</i>	(Optional)
<i>u6nib_notify_handle</i>	(Optional)

TABLE_ready_client_event_queue	(Optional)
<i>queue_name</i>	(Optional)
<i>queue_count</i>	(Optional)
TABLE_client_event	(Optional)
<i>event</i>	(Optional)
<i>use_buf</i>	(Optional)
<i>sched</i>	(Optional)
<i>resend</i>	(Optional)
<i>buf</i>	(Optional)
<i>state</i>	(Optional)
TABLE_buffer_rqst_client_event_queue	(Optional)
<i>queue_name</i>	(Optional)
<i>queue_count</i>	(Optional)
TABLE_client_event	(Optional)
<i>event</i>	(Optional)
<i>use_buf</i>	(Optional)
<i>sched</i>	(Optional)
<i>resend</i>	(Optional)
<i>buf</i>	(Optional)
<i>state</i>	(Optional)
<i>update_ack_queue_count</i>	(Optional)
TABLE_update_ack	(Optional)
<i>update_ack</i>	(Optional)
<i>update_ack_data</i>	(Optional)
<i>update_ack_type</i>	(Optional)
<i>update_ack_xid</i>	(Optional)
TABLE_route_buffer_used_queue	(Optional)
TABLE_clt_buf	(Optional)
TABLE_rnh_buffer_used_queue	(Optional)

TABLE_clt_buf	(Optional)
TABLE_msgs_rcvd	(Optional)
TABLE_msgs_sent	(Optional)

Command Mode

- /exec

show routing ipv6 hash

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] hash [ mpls <ipv6-prefix> [ eos ] ] <source> <dest> [ ip-proto <ip-proto> ] { [ ipv6-flowlabel <ipv6-flowlabel> ] } { [ <src-port> <dest-port> ] } { [ ttl <ttl> [ dest-port <dest-port> ] ] } { [ udf <value> length <length> [ dest-port <dest-port> ] ] } { [ gtpu-teid <gtpu-teid> ] } [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ __readonly__ TABLE_vrf <vrf-name-out> [ <hash-type> ] [ <mcast> ] [ <hashpath> ] TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [ <ubest> ] [ <mbest> ] [ <ipnexthop> ] [ <ifname> ] <uptime> <pref> <metric> <clientname> [ <type> ] [ <tag> ] [ <stale> ] [ <hidden> ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hash	Display load-balancing hash information
mpls	(Optional) MPLS path load-balancing hash information
eos	(Optional) Set End-of-Stack to 1
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
ipv6-flowlabel	(Optional) Flow label in the IPV6 packet
<i>ipv6-flowlabel</i>	(Optional) Flow label in the IPV6 packet
<i>src-port</i>	(Optional) Source-port
<i>dest-port</i>	(Optional) Destination-port
ttl	(Optional) TTL value for the packet
<i>ttl</i>	(Optional) TTL value for the packet

<code>udf</code>	(Optional) UDF information for the packet
<code>value</code>	(Optional) UDF value for the packet
<code>length</code>	(Optional) Length in bits from udf offset
<code>length</code>	(Optional) Enter Length in bits from udf offset
<code>dest-port</code>	(Optional) Destination-port
<code>dest-port</code>	(Optional) Destination-port
<code>gtpu-teid</code>	(Optional) GTPu TEID for the packet
<code>gtpu-teid</code>	(Optional) GTPu TEID for the packet
<code>in-interface</code>	(Optional) Incoming Interface for Packet.Option valid on Tomahawk platform only.
<code>in-interface</code>	(Optional) Interface Name
<code>module</code>	(Optional) Module
<code>module-id</code>	(Optional) Module
<code>__readonly__</code>	(Optional)
<code>TABLE_vrf</code>	(Optional)
<code>vrf-name-out</code>	(Optional)
<code>hash-type</code>	(Optional)
<code>mcast</code>	(Optional)
<code>hashpath</code>	(Optional)
<code>TABLE_prefix</code>	(Optional)
<code>ipprefix</code>	(Optional)
<code>ucast-nhops</code>	(Optional)
<code>mcast-nhops</code>	(Optional)
<code>attached</code>	(Optional)
<code>TABLE_path</code>	(Optional)
<code>ubest</code>	(Optional)
<code>mbest</code>	(Optional)
<code>ifname</code>	(Optional)
<code>pref</code>	(Optional)

<i>tag</i>	(Optional)
<i>metric</i>	(Optional)
<i>uptime</i>	(Optional)
<i>clientname</i>	(Optional)
<i>type</i>	(Optional)
<i>stale</i>	(Optional)
<i>hidden</i>	(Optional)

Command Mode

- /exec

show routing ipv6 hidden-nh

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name>
] hidden-nh [ __readonly__ <uribtibtype_contextname> { TABLE_hidden_nh <nh> <nh-iod>
<hidden_nh_uhn_prefix> <hidden_nh_uhn_mask_len> <pib> <rn timer> <rn timer_mask_len> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hidden-nh	Display hidden next-hop information
<i>__readonly__</i>	(Optional)
<i>uribtibtype_contextname</i>	(Optional)
TABLE_hidden_nh	(Optional)
<i>nh</i>	(Optional)
<i>nh-iod</i>	(Optional)
<i>hidden_nh_uhn_prefix</i>	(Optional)
<i>hidden_nh_uhn_mask_len</i>	(Optional)
<i>pib</i>	(Optional)
<i>rn timer</i>	(Optional)
<i>rn timer_mask_len</i>	(Optional)

Command Mode

- /exec

show routing ipv6 memory estimate

```
show routing ipv6 [ unicast ] memory estimate [ routes <route-count> next-hops <nh-count> ] [ labels ] [
__readonly__ <curr-max-MB> <curr-max-routes> <curr-max-nh> <inuse-MB> <inuse-routes> <inuse-nh>
<conf-max-MB> <conf-max-routes> <conf-max-nh> [ <est-MB> <est-routes> <est-nh> ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
memory	Display u6rib memory information
estimate	Display u6rib memory estimate
routes	(Optional) Display u6rib memory estimate for # routes
<i>route-count</i>	(Optional) Number of routes
next-hops	(Optional) Display u6rib memory estimate for # next-hops per route
<i>nh-count</i>	(Optional) Number of next-hops per route
labels	(Optional) When the routes are associated with next hop labels
<i>__readonly__</i>	(Optional)
<i>curr-max-MB</i>	(Optional)
<i>curr-max-routes</i>	(Optional)
<i>curr-max-nh</i>	(Optional)
<i>inuse-MB</i>	(Optional)
<i>inuse-routes</i>	(Optional)
<i>inuse-nh</i>	(Optional)
<i>conf-max-MB</i>	(Optional)
<i>conf-max-routes</i>	(Optional)
<i>conf-max-nh</i>	(Optional)
<i>est-MB</i>	(Optional)
<i>est-routes</i>	(Optional)
<i>est-nh</i>	(Optional)

Command Mode

- /exec

show routing ipv6 memory statistics

```
show routing ipv6 [ unicast ] memory statistics [ __readonly__ { TABLE_shrd_mem <rbuf-alloc>
<rbuf-high-water> <rbuf-max> <rbuf-numalloc> <slbs-alloc> <slbs-high-water> <slbs-max> <slbs-numalloc>
} { TABLE_u6rib_slabs <slab-name> <alloc-count> <max-allocs> <slab-size> } { TABLE_u6rib_blks
<slab-blk-name> <block-count> <max-blocks> <slab-count> } { TABLE_u6rib_routes_rnhs <ctx-name>
<user-nodes> <total-nodes> <elem-size> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast routing information
memory	Display u6rib memory information
statistics	Display u6rib memory statistics
<i>__readonly__</i>	(Optional)
TABLE_shrd_mem	(Optional)
TABLE_u6rib_slabs	(Optional)
TABLE_u6rib_blks	(Optional)
TABLE_u6rib_routes_rnhs	(Optional)
<i>ctx-name</i>	(Optional)
<i>slab-name</i>	(Optional)
<i>slab-blk-name</i>	(Optional)
<i>rbuf-alloc</i>	(Optional)
<i>rbuf-high-water</i>	(Optional)
<i>rbuf-max</i>	(Optional)
<i>rbuf-numalloc</i>	(Optional)
<i>slbs-alloc</i>	(Optional)
<i>slbs-high-water</i>	(Optional)
<i>slbs-max</i>	(Optional)
<i>slbs-numalloc</i>	(Optional)
<i>user-nodes</i>	(Optional)

<i>total-nodes</i>	(Optional)
<i>elem-size</i>	(Optional)
<i>alloc-count</i>	(Optional)
<i>max-allocs</i>	(Optional)
<i>slab-size</i>	(Optional)
<i>block-count</i>	(Optional)
<i>max-blocks</i>	(Optional)
<i>slab-count</i>	(Optional)

Command Mode

- /exec

show routing ipv6 multicast clients

```
show routing ipv6 multicast clients [ <client-name> ] [ detail ] [ __readonly__ { TABLE_mpib <mpib_name>
<mpib_index> <mpib_pid> <mpib_mts_sap> <mpib_shm> <stale_timer> <join_notify> <prune_notify>
<rpf_notify> <delete_notify> <repopulate_notify> <zero-oif-notify> <non-zero-oif-notify> <attach-notify>
<non-attach-notify> <static-notify> <non-static-notify> <internal-notify>
<non-internal-notify><external-notify><non-external-notify> <otv-decap-notify>
<no-otv-decap-notify><vxlan-decap-notify> <no-vxlan-decap-notify>
<mdt-encap-notify><no-mdt-encap-notify> <mdt-decap-notify> <no-mdt-decap-notify><vpc-svi-notify>
<eor-notify> <notification_pending> [ <ssm_owner> <bidir_owner> <static_owner> <shared_only_owner>
<locally_joined_owner> <external_owner> <mdt_owner> <fabric_owner> <sticky_iif_owner>
<data_created_owner> <internal_owner> <prune_owner> <attached_owner> <otv_decap_owner>
<vxlan_decap_owner> <secondary_owner> <encap_index_owner> <force_punt_owner> <multi_route_owner>
<register_stop_owner> ] <notify_sent> <notify_fail> <notify_ack_rcvd> <add_route_req_rcvd>
<add_route_ack_sent> <add_route_ack_fail> <delete_route_req_rcvd> <delete_route_ack_sent>
<delete_route_ack_fail> <update_route_req_rcvd> <update_route_ack_sent> <update_route_ack_fail>
<update_mdt_info_req_rcvd> <update_mdt_info_ack_sent> <update_mdt_info_ack_fail>
<mts_update_route_req_rcvd> <mts_update_route_ack_sent> <mts_update_route_ack_fail>
<force_update_rcvd> <notify_member_count> <pending_mpib> <uptime> <allsync_eor_sent>
<allsync_eor_fail> <allsync_eor_send_ts> <vrf_rte_sync_eor_sent> <vrf_rte_sync_eor_fail>
<vrf_rte_sync_eor_send_ts> <allsync_eor_rte_pend_vrf> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
clients	Display multicast routing client information
<i>client-name</i>	(Optional) Multicast routing client name
detail	(Optional) Display detailed route attributes
<i>__readonly__</i>	(Optional)
TABLE_mpib	(Optional)
<i>mpib_name</i>	(Optional)
<i>mpib_index</i>	(Optional)
<i>mpib_pid</i>	(Optional)
<i>mpib_mts_sap</i>	(Optional)
<i>mpib_shm</i>	(Optional)
<i>stale_timer</i>	(Optional)

<i>join_notify</i>	(Optional)
<i>prune_notify</i>	(Optional)
<i>rpf_notify</i>	(Optional)
<i>delete_notify</i>	(Optional)
<i>repopulate_notify</i>	(Optional)
<i>zero-oif-notify</i>	(Optional)
<i>non-zero-oif-notify</i>	(Optional)
<i>attach-notify</i>	(Optional)
<i>non-attach-notify</i>	(Optional)
<i>static-notify</i>	(Optional)
<i>non-static-notify</i>	(Optional)
<i>internal-notify</i>	(Optional)
<i>otv-decap-notify</i>	(Optional)
<i>no-vxlan-decap-notify</i>	(Optional)
<i>mdt-decap-notify</i>	(Optional)
<i>eor-notify</i>	(Optional)
<i>notification_pending</i>	(Optional)
<i>ssm_owner</i>	(Optional)
<i>bidir_owner</i>	(Optional)
<i>static_owner</i>	(Optional)
<i>shared_only_owner</i>	(Optional)
<i>locally_joined_owner</i>	(Optional)
<i>external_owner</i>	(Optional)
<i>mdt_owner</i>	(Optional)
<i>fabric_owner</i>	(Optional)
<i>sticky_iif_owner</i>	(Optional)
<i>data_created_owner</i>	(Optional)
<i>internal_owner</i>	(Optional)
<i>prune_owner</i>	(Optional)

<i>attached_owner</i>	(Optional)
<i>otv_decap_owner</i>	(Optional)
<i>vxlan_decap_owner</i>	(Optional)
<i>secondary_owner</i>	(Optional)
<i>encap_index_owner</i>	(Optional)
<i>force_punt_owner</i>	(Optional)
<i>multi_route_owner</i>	(Optional)
<i>register_stop_owner</i>	(Optional)
<i>notify_sent</i>	(Optional)
<i>notify_fail</i>	(Optional)
<i>notify_ack_rcvd</i>	(Optional)
<i>add_route_req_rcvd</i>	(Optional)
<i>add_route_ack_sent</i>	(Optional)
<i>add_route_ack_fail</i>	(Optional)
<i>delete_route_req_rcvd</i>	(Optional)
<i>delete_route_ack_sent</i>	(Optional)
<i>delete_route_ack_fail</i>	(Optional)
<i>update_route_req_rcvd</i>	(Optional)
<i>update_route_ack_sent</i>	(Optional)
<i>update_route_ack_fail</i>	(Optional)
<i>update_mdt_info_req_rcvd</i>	(Optional)
<i>update_mdt_info_ack_sent</i>	(Optional)
<i>update_mdt_info_ack_fail</i>	(Optional)
<i>mts_update_route_req_rcvd</i>	(Optional)
<i>mts_update_route_ack_sent</i>	(Optional)
<i>mts_update_route_ack_fail</i>	(Optional)
<i>force_update_rcvd</i>	(Optional)
<i>notify_member_count</i>	(Optional)
<i>pending_mpib</i>	(Optional)

<i>uptime</i>	(Optional)
<i>allsync_eor_sent</i>	(Optional)
<i>allsync_eor_fail</i>	(Optional)
<i>allsync_eor_send_ts</i>	(Optional)
<i>vrf_rte_sync_eor_sent</i>	(Optional)
<i>vrf_rte_sync_eor_fail</i>	(Optional)
<i>vrf_rte_sync_eor_send_ts</i>	(Optional)
<i>allsync_eor_rte_pend_vrf</i>	(Optional)

Command Mode

- /exec

show routing ipv6 multicast lisp encap

```
{ show routing ipv6 multicast lisp encap } [ __readonly__ { TABLE_m6rib_list_encap <encap-index>
<source-rloc> <dest-rloc> <ref-count> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
lisp	LISP related information
encap	All the encap indices
<i>__readonly__</i>	(Optional)
TABLE_m6rib_list_encap	(Optional)
<i>encap-index</i>	(Optional)
<i>source-rloc</i>	(Optional)
<i>dest-rloc</i>	(Optional)
<i>ref-count</i>	(Optional)

Command Mode

- /exec

show routing ipv6 multicast mdt encapsulation

```
show routing ipv6 multicast mdt encapsulation [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
__readonly__ [ TABLE_vrf <vrf-name> [ TABLE_mdt <index> <group> <source> <count> <delete-pending>
]]]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
mdt	Multicast Distribution Tree
encapsulation	Encapsulation Information
detail	(Optional) Display detailed information
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>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
TABLE_mdt	(Optional)
<i>index</i>	(Optional)
<i>count</i>	(Optional)
<i>delete-pending</i>	(Optional)

Command Mode

- /exec

show routing ipv6 multicast memory estimate

```
show routing ipv6 multicast memory estimate [ groups <group-count> sources-per-group <source-count>
oifs-per-entry <oif-count> [ mdt-encap-entries <encap-entry-count> ] [ __readonly__ [ TABLE_currentmax
[ <max-mb> ] [ <max-groups> ] [ <sources-per-group> ] [ <oifs-per-entry> ] ] [ TABLE_inuse [ <used-kb>
] [ <alloc-count> ] [ <sources-per-group> ] [ <oifs-per-entry> ] [ <mdt-encap-entry> ] ] [
TABLE_configuredmax [ <max-mb> ] [ <max-groups> ] [ <sources-per-group> ] [ <oifs-per-entry> ] ] [
TABLE_estimate [ <estimate-mb> ] [ <groups> ] [ <sources-per-group> ] [ <oifs-per-entry> ] [
<mdt-encap-entry> ] ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
memory	Display mrib memory information
estimate	Display mrib memory estimate
groups	(Optional) Display mrib memory estimate for # groups
<i>group-count</i>	(Optional) Number of groups
sources-per-group	(Optional) Display mrib memory estimate for # sources per group
<i>source-count</i>	(Optional) Number of sources per route
oifs-per-entry	(Optional) Display mrib memory estimate for # oifs per (S,G) or (*,G) entry
<i>oif-count</i>	(Optional) Number of oifs per entry
mdt-encap-entries	(Optional) Display mrib memory estimate for # mdt encap entries
<i>encap-entry-count</i>	(Optional) Number of mdt encap entries
__readonly__	(Optional)
TABLE_currentmax	(Optional)
<i>max-mb</i>	(Optional)
<i>max-groups</i>	(Optional)
<i>sources-per-group</i>	(Optional)
<i>oifs-per-entry</i>	(Optional)
TABLE_inuse	(Optional)

<i>used-kb</i>	(Optional)
<i>alloc-count</i>	(Optional)
<i>sources-per-group</i>	(Optional)
<i>oifs-per-entry</i>	(Optional)
<i>mdt-encap-entry</i>	(Optional)
TABLE_configuredmax	(Optional)
<i>max-mb</i>	(Optional)
<i>max-groups</i>	(Optional)
<i>sources-per-group</i>	(Optional)
<i>oifs-per-entry</i>	(Optional)
TABLE_estimate	(Optional)
<i>estimate-mb</i>	(Optional)
<i>groups</i>	(Optional)
<i>sources-per-group</i>	(Optional)
<i>oifs-per-entry</i>	(Optional)
<i>mdt-encap-entry</i>	(Optional)

Command Mode

- /exec

show routing ipv6 multicast sr

```
show routing ipv6 multicast sr [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [ TABLE_vrf
<vrf-name> <mode> <mac-rewrite> [ TABLE_route <in-group-range> <to-group-range> <group-mask>
<in-source-range> <to-source-range> <source-mask> <udp-src-port> <udp-dest-port> <static-oif> ] ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
sr	Service Reflect Rules
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
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>mode</i>	(Optional)
<i>mac-rewrite</i>	(Optional)
TABLE_route	(Optional)
<i>in-group-range</i>	(Optional)
<i>to-group-range</i>	(Optional)
<i>group-mask</i>	(Optional)
<i>in-source-range</i>	(Optional)
<i>to-source-range</i>	(Optional)
<i>source-mask</i>	(Optional)
<i>udp-src-port</i>	(Optional)
<i>udp-dest-port</i>	(Optional)
<i>static-oif</i>	(Optional)

Command Mode

- /exec

show routing ipv6 nhlfe

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] nhlfe [ stats ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ __readonly__ { TABLE_vrf <vrf-name-out> [ <nhlfe-owner> <nhlfe-refcount> { TABLE_nhlable <nhlable-index> <nhl-label> } <nhlfe-is-vpn> <nhlfe-owner-index> } ] <total-entries> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
nhlfe	Display NHLFE db
stats	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>nhlfe-owner</i>	(Optional)
<i>nhlfe-refcount</i>	(Optional)
TABLE_nhlable	(Optional)
<i>nhlable-index</i>	(Optional)
<i>nhl-label</i>	(Optional)
<i>nhlfe-is-vpn</i>	(Optional)
<i>nhlfe-owner-index</i>	(Optional)
<i>total-entries</i>	(Optional)

Command Mode

- /exec

show routing ipv6 recursive-next-hop

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] recursive-next-hop [ <ipv6-addr> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ __readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [ TABLE_prefix <ipprefix> <uptime> TABLE_clients <client-req> [ <client-pend> ] ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
recursive-next-hop	Display recursive next-hop table
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_addrf	(Optional)
<i>addrf</i>	(Optional)
TABLE_prefix	(Optional)
<i>uptime</i>	(Optional)
TABLE_clients	(Optional)
<i>client-req</i>	(Optional)
<i>client-pend</i>	(Optional)

Command Mode

- /exec

show routing memory estimate

```
show routing [ ip | ipv4 ] [ unicast ] memory estimate [ routes <route-count> [ next-hops <nh-count>
<nh-unique> ] [ next-hops-v6 <nh6-count> <nh6-unique> ] [ next-hops-srte <srte-count> <srte-unique> ] ] [
labels ] [ __readonly__ <current_max_mb> <current_max_routes> <urib_max_nh> <used_mb>
<route_stats_alloc_count> <nhs> <configured_max_mb> <configured_max_routes> <urib_routes_max_nh>
[ <estimate_mb> <estimate_routes> <estimate_nhs> <estimate_with_mvpn_mb> <estimate_with_ospf_mb>
<estimate_with_eigrp_mb> ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
memory	Display urib memory information
estimate	Display urib memory estimate
routes	(Optional) Display urib memory estimate for # routes
<i>route-count</i>	(Optional) Number of routes
next-hops	(Optional) Display urib memory estimate for # next-hops per route
<i>nh-count</i>	(Optional) Number of next-hops per route
<i>nh-unique</i>	(Optional) Number of unique next-hops (between 1 and route-count*nh-count)
next-hops-v6	(Optional) Display urib memory estimate for # V6 next-hops per route
<i>nh6-count</i>	(Optional) Number of V6 next-hops per route
<i>nh6-unique</i>	(Optional) Number of unique V6 next-hops (between 1 and route-count*nh6-count)
next-hops-srte	(Optional) Display urib memory estimate for # srte next-hops per route
<i>srte-count</i>	(Optional) Number of srte next-hops per route
<i>srte-unique</i>	(Optional) Number of unique srte next-hops (between 1 and route-count*srte-count)
labels	(Optional) When the routes are associated with next hop labels
<i>__readonly__</i>	(Optional)

<i>current_max_mb</i>	(Optional)
<i>current_max_routes</i>	(Optional)
<i>urib_max_nh</i>	(Optional)
<i>used_mb</i>	(Optional)
<i>route_stats_alloc_count</i>	(Optional)
<i>nhs</i>	(Optional)
<i>configured_max_mb</i>	(Optional)
<i>configured_max_routes</i>	(Optional)
<i>urib_routes_max_nh</i>	(Optional)
<i>estimate_mb</i>	(Optional)
<i>estimate_routes</i>	(Optional)
<i>estimate_nhs</i>	(Optional)
<i>estimate_with_mvpn_mb</i>	(Optional)
<i>estimate_with_ospf_mb</i>	(Optional)
<i>estimate_with_eigrp_mb</i>	(Optional)

Command Mode

- /exec

show routing memory statistics

```
show routing [ ip | ipv4 ] [ unicast ] memory statistics [ debug ] [ __readonly__ { TABLE_shrd_mem
<ubuf-alloc> <ubuf-high-water> <ubuf-max> <ubuf-numalloc> <rbuf-alloc> <rbuf-high-water> <rbuf-max>
<rbuf-numalloc> <slbs-alloc> <slbs-high-water> <slbs-max> <slbs-numalloc> } { TABLE_urib_slabs
<slab-name> <slab-alloc-count> <slab-max-allocs> <slab-size> } { TABLE_urib_blks <block-name>
<block-count> <max-blocks> <blks-count> } { TABLE_urib_routes_rnhs <ctx-name> <user-node>
<total-node> <elem-size> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
memory	Display urib memory information
statistics	Display urib memory statistics
debug	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_shrd_mem	(Optional)
<i>ubuf-alloc</i>	(Optional)
<i>ubuf-high-water</i>	(Optional)
<i>ubuf-max</i>	(Optional)
<i>ubuf-numalloc</i>	(Optional)
<i>rbuf-alloc</i>	(Optional)
<i>rbuf-high-water</i>	(Optional)
<i>rbuf-max</i>	(Optional)
<i>rbuf-numalloc</i>	(Optional)
<i>slbs-alloc</i>	(Optional)
<i>slbs-high-water</i>	(Optional)
<i>slbs-max</i>	(Optional)
<i>slbs-numalloc</i>	(Optional)

TABLE_urib_slabs	(Optional)
<i>slab-name</i>	(Optional)
<i>slab-alloc-count</i>	(Optional)
<i>slab-max-allocs</i>	(Optional)
<i>slab-size</i>	(Optional)
TABLE_urib_blks	(Optional)
<i>block-name</i>	(Optional)
<i>block-count</i>	(Optional)
<i>max-blocks</i>	(Optional)
<i>blks-count</i>	(Optional)
TABLE_urib_routes_rnhs	(Optional)
<i>ctx-name</i>	(Optional)
<i>user-node</i>	(Optional)
<i>total-node</i>	(Optional)
<i>elem-size</i>	(Optional)

Command Mode

- /exec

show routing multicast clients

```
show routing [ ip | ipv4 ] multicast clients [ <client-name> ] [ detail ] [ __readonly__ { TABLE_mpib
<mpib_name> <mpib_index> <mpib_pid> <mpib_mts_sap> <mpib_shm> <stale_timer> <join_notify>
<prune_notify> <rpf_notify> <delete_notify> <repopulate_notify> <zero-oif-notify> <non-zero-oif-notify>
<attach_notify> <non-attach_notify> <static_notify> <non-static_notify> <internal_notify>
<non-internal_notify><external_notify><non-external_notify> <otv-decap_notify>
<no-otv-decap_notify><vxlan-decap_notify> <no-vxlan-decap_notify>
<mdt-encap_notify><no-mdt-encap_notify> <mdt-decap_notify> <no-mdt-decap_notify><vpc-svi_notify>
<eor_notify> <notification_pending> [ <ssm_owner> <bidir_owner> <static_owner> <shared_only_owner>
<locally_joined_owner> <external_owner> <mdt_owner> <fabric_owner> <sticky_iif_owner>
<data_created_owner> <internal_owner> <prune_owner> <attached_owner> <otv_decap_owner>
<vxlan_decap_owner> <secondary_owner> <encap_index_owner> <force_punt_owner> <multi_route_owner>
<register_stop_owner> ] <notify_sent> <notify_fail> <notify_ack_rcvd> <add_route_req_rcvd>
<add_route_ack_sent> <add_route_ack_fail> <delete_route_req_rcvd> <delete_route_ack_sent>
<delete_route_ack_fail> <update_route_req_rcvd> <update_route_ack_sent> <update_route_ack_fail>
<update_mdt_info_req_rcvd> <update_mdt_info_ack_sent> <update_mdt_info_ack_fail>
<mts_update_route_req_rcvd> <mts_update_route_ack_sent> <mts_update_route_ack_fail>
<force_update_rcvd> <notify_member_count> <pending_mpib> <uptime> <allsync_eor_sent>
<allsync_eor_fail> <allsync_eor_send_ts> <vrf_rte_sync_eor_sent> <vrf_rte_sync_eor_fail>
<vrf_rte_sync_eor_send_ts> <allsync_eor_rte_pend_vrf> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
clients	Display multicast routing client information
<i>client-name</i>	(Optional) Multicast routing client name
detail	(Optional) Display detailed route attributes
__readonly__	(Optional)
TABLE_mpib	(Optional)
<i>mpib_name</i>	(Optional)
<i>mpib_index</i>	(Optional)
<i>mpib_pid</i>	(Optional)
<i>mpib_mts_sap</i>	(Optional)
<i>mpib_shm</i>	(Optional)

<i>stale_timer</i>	(Optional)
<i>join_notify</i>	(Optional)
<i>prune_notify</i>	(Optional)
<i>rpf_notify</i>	(Optional)
<i>delete_notify</i>	(Optional)
<i>repopulate_notify</i>	(Optional)
<i>zero-oif-notify</i>	(Optional)
<i>non-zero-oif-notify</i>	(Optional)
<i>attach-notify</i>	(Optional)
<i>non-attach-notify</i>	(Optional)
<i>static-notify</i>	(Optional)
<i>non-static-notify</i>	(Optional)
<i>internal-notify</i>	(Optional)
<i>otv-decap-notify</i>	(Optional)
<i>no-vxlan-decap-notify</i>	(Optional)
<i>mdt-decap-notify</i>	(Optional)
<i>eor-notify</i>	(Optional)
<i>notification_pending</i>	(Optional)
<i>ssm_owner</i>	(Optional)
<i>bidir_owner</i>	(Optional)
<i>static_owner</i>	(Optional)
<i>shared_only_owner</i>	(Optional)
<i>locally_joined_owner</i>	(Optional)
<i>external_owner</i>	(Optional)
<i>mdt_owner</i>	(Optional)
<i>fabric_owner</i>	(Optional)
<i>sticky_iif_owner</i>	(Optional)
<i>data_created_owner</i>	(Optional)
<i>internal_owner</i>	(Optional)

<i>prune_owner</i>	(Optional)
<i>attached_owner</i>	(Optional)
<i>otv_decap_owner</i>	(Optional)
<i>vxlان_decap_owner</i>	(Optional)
<i>secondary_owner</i>	(Optional)
<i>encap_index_owner</i>	(Optional)
<i>force_punt_owner</i>	(Optional)
<i>multi_route_owner</i>	(Optional)
<i>register_stop_owner</i>	(Optional)
<i>notify_sent</i>	(Optional)
<i>notify_fail</i>	(Optional)
<i>notify_ack_rcvd</i>	(Optional)
<i>add_route_req_rcvd</i>	(Optional)
<i>add_route_ack_sent</i>	(Optional)
<i>add_route_ack_fail</i>	(Optional)
<i>delete_route_req_rcvd</i>	(Optional)
<i>delete_route_ack_sent</i>	(Optional)
<i>delete_route_ack_fail</i>	(Optional)
<i>update_route_req_rcvd</i>	(Optional)
<i>update_route_ack_sent</i>	(Optional)
<i>update_route_ack_fail</i>	(Optional)
<i>update_mdt_info_req_rcvd</i>	(Optional)
<i>update_mdt_info_ack_sent</i>	(Optional)
<i>update_mdt_info_ack_fail</i>	(Optional)
<i>mts_update_route_req_rcvd</i>	(Optional)
<i>mts_update_route_ack_sent</i>	(Optional)
<i>mts_update_route_ack_fail</i>	(Optional)
<i>force_update_rcvd</i>	(Optional)
<i>notify_member_count</i>	(Optional)

<i>pending_mplib</i>	(Optional)
<i>uptime</i>	(Optional)
<i>allsync_eor_sent</i>	(Optional)
<i>allsync_eor_fail</i>	(Optional)
<i>allsync_eor_send_ts</i>	(Optional)
<i>vrf_rte_sync_eor_sent</i>	(Optional)
<i>vrf_rte_sync_eor_fail</i>	(Optional)
<i>vrf_rte_sync_eor_send_ts</i>	(Optional)
<i>allsync_eor_rte_pend_vrf</i>	(Optional)

Command Mode

- /exec

show routing multicast lisp encap

```
{ show routing [ ip | ipv4 ] multicast lisp encap } [ __readonly__ { TABLE_mrib_list_encap <encap-index>
<source-rloc> <dest-rloc> <ref-count> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
lisp	LISP related information
encap	All the encap indices
__readonly__	(Optional)
TABLE_mrib_list_encap	(Optional)
<i>encap-index</i>	(Optional)
<i>source-rloc</i>	(Optional)
<i>dest-rloc</i>	(Optional)
<i>ref-count</i>	(Optional)

Command Mode

- /exec

show routing multicast mdt encapsulation

```
show routing [ ip | ipv4 ] multicast mdt encapsulation [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all
} ] [ __readonly__ [ TABLE_vrf <vrf-name> [ TABLE_mdt <index> <group> <source> <count>
<delete-pending> [ TABLE_customer_route [ <source> ] [ <group> ] ] ] ] ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
mdt	Multicast Distribution Tree
encapsulation	Encapsulation Information
detail	(Optional) Display detailed information
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>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
TABLE_mdt	(Optional)
<i>index</i>	(Optional)
<i>group</i>	(Optional)
<i>source</i>	(Optional)
<i>count</i>	(Optional)
<i>delete-pending</i>	(Optional)
TABLE_customer_route	(Optional)
<i>source</i>	(Optional)
<i>group</i>	(Optional)

Command Mode

- /exec

show routing multicast memory estimate

```
show routing [ ip | ipv4 ] multicast memory estimate [ groups <group-count> sources-per-group <source-count>
oifs-per-entry <oif-count> [ mdt-encap-entries <encap-entry-count> ] [ __readonly__ [ TABLE_currentmax
[ <max-mb> ] [ <max-groups> ] [ <sources-per-group> ] [ <oifs-per-entry> ] ] [ TABLE_inuse [ <used-kb>
] [ <alloc-count> ] [ <sources-per-group> ] [ <oifs-per-entry> ] [ <mdt-encap-entry> ] ] [
TABLE_configuredmax [ <max-mb> ] [ <max-groups> ] [ <sources-per-group> ] [ <oifs-per-entry> ] ] [
TABLE_estimate [ <estimate-mb> ] [ <groups> ] [ <sources-per-group> ] [ <oifs-per-entry> ] [
<mdt-encap-entry> ] ] ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
memory	Display mrib memory information
estimate	Display mrib memory estimate
groups	(Optional) Display mrib memory estimate for # groups
<i>group-count</i>	(Optional) Number of groups
sources-per-group	(Optional) Display mrib memory estimate for # sources per group
<i>source-count</i>	(Optional) Number of sources per route
oifs-per-entry	(Optional) Display mrib memory estimate for # oifs per (S,G) or (*,G) entry
<i>oif-count</i>	(Optional) Number of oifs per entry
mdt-encap-entries	(Optional) Display mrib memory estimate for # mdt encap entries
<i>encap-entry-count</i>	(Optional) Number of mdt encap entries
__readonly__	(Optional)
TABLE_currentmax	(Optional)
<i>max-mb</i>	(Optional)
<i>max-groups</i>	(Optional)
<i>sources-per-group</i>	(Optional)
<i>oifs-per-entry</i>	(Optional)

TABLE_inuse	(Optional)
<i>used-kb</i>	(Optional)
<i>alloc-count</i>	(Optional)
<i>sources-per-group</i>	(Optional)
<i>oifs-per-entry</i>	(Optional)
<i>mdt-encap-entry</i>	(Optional)
TABLE_configuredmax	(Optional)
<i>max-mb</i>	(Optional)
<i>max-groups</i>	(Optional)
<i>sources-per-group</i>	(Optional)
<i>oifs-per-entry</i>	(Optional)
TABLE_estimate	(Optional)
<i>estimate-mb</i>	(Optional)
<i>groups</i>	(Optional)
<i>sources-per-group</i>	(Optional)
<i>oifs-per-entry</i>	(Optional)
<i>mdt-encap-entry</i>	(Optional)

Command Mode

- /exec

show routing multicast sr

```
show routing [ ip | ipv4 ] multicast sr [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ __readonly__ [
TABLE_vrf <vrf-name> <mode> <mac-rewrite> [ TABLE_route <in-group-range> <to-group-range>
<group-mask> <in-source-range> <to-source-range> <source-mask> <udp-src-port> <udp-dest-port>
<static-oif> ] ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
sr	Service Reflect Rules
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>__readonly__</i>	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name</i>	(Optional)
<i>mode</i>	(Optional)
<i>mac-rewrite</i>	(Optional)
TABLE_route	(Optional)
<i>in-group-range</i>	(Optional)
<i>to-group-range</i>	(Optional)
<i>group-mask</i>	(Optional)
<i>in-source-range</i>	(Optional)
<i>to-source-range</i>	(Optional)
<i>source-mask</i>	(Optional)
<i>udp-src-port</i>	(Optional)

<i>udp-dest-port</i>	(Optional)
<i>static-oif</i>	(Optional)

Command Mode

- /exec

show routing nhlfe

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] nhlfe [ stats ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ __readonly__
TABLE_vrf <vrf-name-out> [ <nhlfe-owner> <nhlfe-refcount> { TABLE_nhlabel <nlabel-index> <nh-label>
} <nhlfe-is-vpn> <nhlfe-owner-index> ] <total-entries> ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
nhlfe	Display URIB NHLFE db
stats	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
<i>nhlfe-owner</i>	(Optional)
<i>nhlfe-refcount</i>	(Optional)
TABLE_nhlabel	(Optional)
<i>nlabel-index</i>	(Optional)
<i>nh-label</i>	(Optional)
<i>nhlfe-is-vpn</i>	(Optional)
<i>nhlfe-owner-index</i>	(Optional)

<i>total-entries</i>	(Optional)
----------------------	------------

Command Mode

- /exec

show routing recursive-next-hop

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] recursive-next-hop [ <ip-addr> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
[ __readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [ TABLE_prefix <ipprefix> <uptime>
TABLE_clients <clientname> ] ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
recursive-next-hop	Display recursive next-hop table
<i>topology-name</i>	(Optional) topology name
<i>ip-addr</i>	(Optional) Display single recursive virtual next-hop
__readonly__	(Optional)
TABLE_vrf	(Optional)
<i>vrf-name-out</i>	(Optional)
TABLE_addrf	(Optional)
<i>addrf</i>	(Optional) Address type
TABLE_prefix	(Optional)
<i>ipprefix</i>	(Optional)
<i>uptime</i>	(Optional)
TABLE_clients	(Optional)
<i>clientname</i>	(Optional)

Command Mode

- /exec

show routing vxlan-hash peer-ip

```
show routing vxlan-hash peer-ip <peer-ip> <inner-src-mac> <inner-dst-mac> [ <inner-src-ip> <inner-dst-ip>
] [ <inner-src-ip6> <inner-dst-ip6> ] [ ip-proto <ip-proto> ] [ <inner-src-port> <inner-dst-port> ] [ module
<module-id> ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vxlan-hash	Display load-balancing information for vxlan
peer-ip	Peer IP address
<i>peer-ip</i>	Peer IP
<i>inner-src-mac</i>	Inner Source MAC Address
<i>inner-dst-mac</i>	Inner Destination MAC Address
<i>inner-src-ip</i>	(Optional) Inner Source IP
<i>inner-dst-ip</i>	(Optional) Inner Destination IP
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
<i>inner-src-port</i>	(Optional) Inner Source-port
<i>inner-dst-port</i>	(Optional) Inner Destination-port
module	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show routing vxlan-hash peer-ipv6

```
show routing vxlan-hash peer-ipv6 <peer-ipv6> <inner-src-mac> <inner-dst-mac> [ <inner-src-ip>
<inner-dst-ip> ] [ <inner-src-ip6> <inner-dst-ip6> ] [ ip-proto <ip-proto> ] [ <inner-src-port> <inner-dst-port>
] [ module <module-id> ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vxlan-hash	Display load-balancing information for vxlan
peer-ipv6	Peer IPv6 address
<i>inner-src-mac</i>	Inner Source MAC Address
<i>inner-dst-mac</i>	Inner Destination MAC Address
<i>inner-src-ip</i>	(Optional) Inner Source IP
<i>inner-dst-ip</i>	(Optional) Inner Destination IP
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
<i>inner-src-port</i>	(Optional) Inner Source-port
<i>inner-dst-port</i>	(Optional) Inner Destination-port
module	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show rscn event-tov vsan

show rscn event-tov vsan <i0>

Syntax Description

show	Show running system information
event-tov	show event time out value
vsan	show event time out value
<i>i0</i>	VSAN id

Command Mode

- /exec

show rscn pending-diff vsan

show rscn pending-diff vsan <i0>

Syntax Description

show	Show running system information
pending-diff	show difference b/w pending and active configuration
vsan	show difference b/w pending and active configuration
<i>i0</i>	VSAN id

Command Mode

- /exec

show rscn pending vsan

show rscn pending vsan <i0>

Syntax Description

show	Show running system information
pending	show pending configuration
vsan	show pending configuration
<i>i0</i>	VSAN id

Command Mode

- /exec

show rscn scr-table

show rscn scr-table [vsan <i0>]

Syntax Description

show	Show running system information
scr-table	show State Change Registration table
vsan	(Optional) show table for given vsan
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show rscn session status vsan

show rscn session status vsan <i0>

Syntax Description

show	Show running system information
session	show rscn session status
status	show rscn session status
vsan	show internals for session history
<i>i0</i>	VSAN id range

Command Mode

- /exec

show rscn statistics

```
show rscn statistics { [ vsan <i0> ] | detail [ vsan <i1> ] }
```

Syntax Description

show	Show running system information
statistics	show RSCN Statistics
vsan	(Optional) show statistics for given vsan
<i>i0</i>	(Optional) VSAN id range
detail	show statistics for each type of RSCN
vsan	(Optional) show statistics for given vsan
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show running-config

show running-config

Syntax Description

show	Show running system information
running-config	Current operating configuration

Command Mode

- /exec

show running-config aaa

show running-config aaa [all]

Syntax Description

show	show running-cfg
running-config	show running system information
aaa	Display aaa configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config acllog

show running-config acllog [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
acllog	show running config for acllog
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config aclmgr

show running-config aclmgr [all | inactive-if-config]

Syntax Description

show	Show running system information
running-config	Current operating configuration
aclmgr	show running config for aclmgr
all	(Optional) show running config with defaults
inactive-if-config	(Optional) show running config for inactive-policies

Command Mode

- /exec

show running-config adjmgr

show running-config adjmgr [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
adjmgr	Display adjmgr information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config all

show running-config all

Syntax Description

show	Show running system information
running-config	Current operating configuration
all	Current operating configuration with defaults

Command Mode

- /exec

show running-config arp

show running-config arp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
arp	Display arp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config assoc

show running-config assoc [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
assoc	Original ID to Translated ID Association
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config backup

show running-config { backup | flexlink } [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
backup	Show running config for Switchport Backup
flexlink	Show running config for Switchport Backup
all	(Optional) Show config with defaults

Command Mode

- /exec

show running-config bfd

show running-config bfd [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
bfd	show running config for bfd
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config bgp

show running-config bgp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
bgp	Display bgp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config bloggerd

show running-config bloggerd [all]

Syntax Description

show	show running-cfg
running-config	show running system information
bloggerd	Display bloggerd configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config callhome

show running-config callhome [all]

Syntax Description

show	show running-cfg
running-config	show running system information
callhome	Display callhome configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cdp

show running-config cdp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
cdp	Display cdp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cert-enroll

show running-config cert-enroll [all]

Syntax Description

show	show running-cfg
running-config	show running system information
cert-enroll	Display certificates configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cfs

show running-config cfs [all]

Syntax Description

show	Show running system information
running-config	Current operation configuration
cfs	Display cfs configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config clock_manager

show running-config clock_manager [all]

Syntax Description

running-config	Current operating configuration
clock_manager	show running config for clock manager
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config config-profile

show running-config config-profile [<all_conf_profile_name>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
config-profile	Display port-profile configuration
<i>all_conf_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show running-config controller

show running-config controller

Syntax Description

show	Show running system information
running-config	Current operating configuration
controller	controller

Command Mode

- /exec

show running-config copp

show running-config copp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
copp	Control-Plane Policing
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config dhcp

show running-config dhcp [all]

Syntax Description

show	Show running system information
running-config	Current operation configuration
dhcp	Display dhcp snoop configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config diagnostic

show running-config diagnostic [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
diagnostic	Display diagnostic information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config diff

show running-config diff [unified]

Syntax Description

show	Show running system information
running-config	Current operating configuration
diff	Show the difference between running and startup configuration in context format
unified	(Optional) Show the difference between running and startup configuration in unified format

Command Mode

- /exec

show running-config dot1x

show running-config dot1x [all]

Syntax Description

show	show running-cfg
running-config	show running system information
dot1x	Display dot1x configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config ecp

show running-config ecp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ecp	ECP (Edge Control Protocol)
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config eem

show running-config eem

Syntax Description

show	Show running system information
running-config	Show the system running configuration
eem	Show the event manager running configuration

Command Mode

- /exec

show running-config eigrp

show running-config eigrp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
eigrp	Display eigrp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config eltm

show running-config eltm

Syntax Description

show	Show running system information
running-config	Current operation configuration
eltm	Display eltm configurations

Command Mode

- /exec

show running-config epbr

show running-config epbr

Syntax Description

show	show running-cfg
running-config	show running system information
epbr	epbr

Command Mode

- /exec

show running-config evb

show running-config evb [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
evb	EVB (Edge Virtual Bridge)
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config exclude

show running-config exclude <feature-list> +

Syntax Description

show	Show running system information
running-config	Current operating configuration
exclude	Exclude running configuration of specified features
<i>feature-list</i>	Exclude features

Command Mode

- /exec

show running-config expand-port-profile

show running-config expand-port-profile

Syntax Description

show	Show running system information
running-config	Current operating configuration
expand-port-profile	Expand port profile

Command Mode

- /exec

show running-config fabric forwarding

show running-config fabric forwarding [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabric multicast

show running-config fabric multicast [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabric	Fabric
multicast	Multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabricpath

show running-config fabricpath [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabricpath	fabricpath information
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config fabricpath domain default

show running-config fabricpath domain default [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabricpath	fabricpath information
domain	Enter fabricpath IS-IS domain configuration mode
default	default fabricpath domain
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabricpath switch-id

show running-config fabricpath switch-id [all]

Syntax Description

running-config	Current operating configuration
fabricpath	fabricpath information
switch-id	fabricpath switch-id configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config fabricpath topology

show running-config fabricpath topology [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
fabricpath	fabricpath Module Information
topology	Fabricpath topology Information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fcoe_mgr

```
show running-config fcoe_mgr [ all ]
```

Syntax Description

show	show running-cfg
running-config	show running system information
fcoe_mgr	Display fcoe_mgr configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config fsync_mgr

show running-config fsync_mgr [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fsync_mgr	Frequency Synchronization Manager
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config hardware-telemetry

show running-config hardware-telemetry [all]

Syntax Description

running-config	Current operating configuration
hardware-telemetry	show running config for hardware-telemetry
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config hsrp

show running-config hsrp [all]

Syntax Description

show	Show system information
running-config	System running configuration
hsrp	HSRP running configuration
all	(Optional) Show HSRP running configuration defaults

Command Mode

- /exec

show running-config icam

show running-config icam

Syntax Description

show	show running-cfg
running-config	show running system information
icam	icam services

Command Mode

- /exec

show running-config icmpv6

show running-config icmpv6 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
icmpv6	Display icmpv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config igmp

show running-config igmp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
igmp	Display igmp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config imp

show running-config imp [all]

Syntax Description

show	Show system information
running-config	System running configuration
imp	IMP running configuration
all	(Optional) Show IMP running configuration defaults

Command Mode

- /exec

show running-config interface

show running-config interface [<if0>] [all] [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
<i>if0</i>	(Optional) interface type and number in module/slot format
all	(Optional) show running config with defaults
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config interface

show running-config interface <if0> [membership] [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
<i>if0</i>	interface type and number in module/slot format
membership	(Optional) Show membership information
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config ip

show running-config ip [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
ip	Display ip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ipqos

show running-config ipqos [all | inactive-if-config]

Syntax Description

show	Show running system information
running-config	Current operating configuration
all	(Optional) show running config with defaults
inactive-if-config	(Optional) show running config for inactive-policies

Command Mode

- /exec

show running-config ipv6

show running-config ipv6 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
ipv6	Display ipv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config isis

show running-config isis [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
isis	Display isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config l3vm

show running-config l3vm [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
l3vm	Display l3vm information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config ldap

show running-config ldap [all]

Syntax Description

show	show running-cfg
running-config	show running system information
ldap	Display ldap configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config license

show running-config license [all]

Syntax Description

show	show
running-config	show running system information
license	Display licensing configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config lisp

show running-config lisp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
lisp	Display lisp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config lldp

show running-config lldp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
lldp	Display lldp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config macsec

show running-config macsec

Syntax Description

show	Show running system information
running-config	Current operating configuration
macsec	Show CTS information

Command Mode

- /exec

show running-config mdns

show running-config mdns [all]

Syntax Description

show	Show running system information
running-config	Show running system information
mdns	Display MDNS information
all	(Optional) Current operating configuration with defaults

Command Mode

- /exec

show running-config mfwd

show running-config { mfwd | mcastfwd } [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
mcastfwd	Display MCASTFWD information
mfwd	Display MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config mfwdv6

show running-config { mfwdv6 | mcastfwdv6 } [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
mcastfwdv6	Display IPV6 MCASTFWD information
mfwdv6	Display IPV6 MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config mld

show running-config mld [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
mld	Display MLD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config mmode

show running-config mmode [all]

Syntax Description

show	Show running system information
running-config	Show running configuration
mmode	Display maintenance mode running configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config monitor

show running-config monitor [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
monitor	Configure Ethernet SPAN sessions
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config mpls static

show running-config mpls static [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
mpls	Display MPLS status and configuration
static	Static Label Bindings
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show running-config mpls strip

show running-config mpls strip [all]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
running-config	System running configuration
all	(Optional) Show running configuration for STRIPCL with defaults

Command Mode

- /exec

show running-config msdp

show running-config msdp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
msdp	Display msdp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config nat

show running-config nat [all]

Syntax Description

show	show running-cfg
running-config	show running system information
nat	Display NAT configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config nbm

show running-config nbm

Syntax Description

show	Show running system information
running-config	Current operating configuration
nbm	Non Blocking Multicast

Command Mode

- /exec

show running-config ngoam

show running-config ngoam [all]

Syntax Description

show	Show running system information
running-config	Show running system information
ngoam	ngoam configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config ntp

show running-config ntp [all]

Syntax Description

show	Show information
running-config	Show running system configuration
ntp	Show NTP information
all	(Optional) Show all NTP running configuration

Command Mode

- /exec

show running-config nv overlay

show running-config nv overlay [all]

Syntax Description

show	Show system information
running-config	System running configuration
nv	NVE running configuration
overlay	NVE running configuration
all	(Optional) Show NVE running configuration defaults

Command Mode

- /exec

show running-config nxsdk

show running-config nxsdk [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
nxsdk	NXOS SDK
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config ofm

show running-config ofm [all]

Syntax Description

show	Show running system information
running-config	Show running system information
ofm	Display Overlay Flow/Policy Manager information
all	(Optional) Current operating configuration with defaults

Command Mode

- /exec

show running-config openconfig

show running-config openconfig [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
openconfig	OpenConfig Model Service App
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config openflow

show running-config openflow [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
openflow	Show running config for OpenFlow agent
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config ospf

show running-config ospf [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ospf	Display ospf information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ospfv3

show running-config ospfv3 [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ospfv3	Display ospfv3 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config otv-isis

show running-config otv-isis [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
otv-isis	Display otv-isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config param-list

show running-config param-list [<plistname>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
param-list	Display param-list configuration
<i>plistname</i>	(Optional) Enter the name of the param list

Command Mode

- /exec

show running-config pim

show running-config pim [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
pim	Display pim information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config pim6

show running-config pim6 [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
pim6	Display pim6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config poe

show running-config poe [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
poe	Power over Ethernet
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config port-profile

show running-config port-profile [<all_profile_name>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
port-profile	Display port-profile configuration
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show running-config port-security

show running-config port-security [all]

Syntax Description

show	show running-cfg
running-config	show running system information
port-security	Display port-security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config ptp

show running-config ptp [all]

Syntax Description

running-config	Current operating configuration
ptp	show running config for ptp
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config radius

show running-config radius [all]

Syntax Description

show	show running-cfg
running-config	show running system information
radius	Display radius configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config rip

show running-config rip [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
rip	Display rip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config routing ip multicast

show running-config routing { ip | ipv4 } multicast [all]

Syntax Description

show	Show running system information
running-config	Current operationng configuration
routing	Display routing information
ip	Display IP information
ipv4	Display IP information
multicast	Display multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config routing ipv6 multicast

show running-config routing ipv6 multicast [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config rpm

show running-config rpm [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
rpm	Display Route Policy Manager (RPM) information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config scheduler

show running-config scheduler [all]

Syntax Description

show	show running-cfg
running-config	show running system information
scheduler	Show scheduler config or data
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config section

show running-config section <section>

Syntax Description

show	Show running system information
running-config	Current operating configuration
section	show only a particular section of running-config (in format needed for 'merge config' command)
<i>section</i>	the section to show, a regular expression, (use a dot for a space)

Command Mode

- /exec

show running-config security

show running-config security [all]

Syntax Description

show	show running-cfg
running-config	show running system information
security	Display security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config segment-routing

show running-config segment-routing [all]

Syntax Description

show	Show running system information
running-config	Show running configuration
segment-routing	Display segment-routing running configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config service-reflect

show running-config service-reflect

Syntax Description

show	Show running system information
running-config	Current operationg configuration
service-reflect	Display NAT feature service-reflect commands

Command Mode

- /exec

show running-config services

show running-config services

Syntax Description

show	show running-cfg
running-config	show running system information
services	services

Command Mode

- /exec

show running-config services

show running-config services

Syntax Description

show	show running-cfg
running-config	show running system information
services	services

Command Mode

- /exec

show running-config sflow

show running-config sflow [all]

Syntax Description

running-config	Current operating configuration
sflow	show running config for sflow
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config sla responder

show running-config sla responder

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
responder	Show information about sla-responder

Command Mode

- /exec

show running-config sla sender

show running-config sla sender

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
sender	Show information about sla-sender

Command Mode

- /exec

show running-config sla twamp-server

show running-config sla twamp-server

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
twamp-server	Show IPSLA IPPM TWAMP server configuration

Command Mode

- /exec

show running-config snmp

show running-config snmp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
snmp	Display snmp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config spanning-tree

show running-config spanning-tree [<all> | interface <interface_range>]

Syntax Description

show	Show running system information
running-config	Current operating configuration
spanning-tree	Show spanning tree information
<i>all</i>	(Optional)
interface	(Optional) Specify an interface as a target for the command
<i>interface_range</i>	(Optional)

Command Mode

- /exec

show running-config srte

show running-config srte

Syntax Description

show	Show running system information
running-config	Current operating configuration
srte	SRTE

Command Mode

- /exec

show running-config switch

show running-config { switch-profile | include-switch-profile }

Syntax Description

show	Show running system information
running-config	Current operating configuration
switch-profile	Show switch-profile information
include-switch-profile	Show running and switch-profile configuration

Command Mode

- /exec

show running-config sync

show running-config sync [all]

Syntax Description

running-config	Current operating configuration
sync	show running config for sync
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config tacacs

show running-config tacacs + [all]

Syntax Description

show	show running-cfg
running-config	show running system information
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config telemetry

show running-config telemetry [all]

Syntax Description

show	show running system configuration
running-config	Current operating configuration
telemetry	Display telemetry configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config track

show running-config track [all]

Syntax Description

show	Show running system information
running-config	Show the system running information
track	Show track running configuration
all	(Optional) Show track running configuration defaults

Command Mode

- /exec

show running-config tunnel-encryption

show running-config tunnel-encryption

Syntax Description

show	Show running system information
running-config	Current operating configuration
tunnel-encryption	Show information about Tunnel Encryption Manager

Command Mode

- /exec

show running-config udd

show running-config udd [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
udd	Show udd configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vdc-all

show running-config vdc-all [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vdc-all	Display config from all VDC
all	(Optional) Display config from all VDC including defaults

Command Mode

- /exec

show running-config vdc

show running-config vdc [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vdc	Show Virtual Device Contexts
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config virtual-service

show running-config virtual-service

Syntax Description

show	Show running system information
running-config	Current operating configuration
virtual-service	Show running config for virtualization services

Command Mode

- /exec

show running-config vlan

show running-config vlan <vlan-id> [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config vlan

show running-config vlan

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands

Command Mode

- /exec

show running-config vlan

show running-config vlan <vlan-id> [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config vmtracker

show running-config vmtracker [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vmtracker	show running config for vmtracker
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vpc

show running-config vpc [all]

Syntax Description

running-config	Current operating configuration
vpc	show running config for vPC
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vrf

show running-config vrf <vrf-cfg-name> [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
vrf	Display VRF information
<i>vrf-cfg-name</i>	Configurable VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config vrf default

show running-config vrf default [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
vrf	Display VRF information
default	Known VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config vrrp

show running-config vrrp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vrrp	Display VRRP running configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vrrpv3

show running-config vrrpv3 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vrrpv3	Show running config for VRRPv3
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vshd

show running-config vshd

Syntax Description

show	Show running system information
running-config	Current operating configuration
vshd	Show running config for vshd

Command Mode

- /exec

show running-config vtp

show running-config vtp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vtp	Show running configuration for VTP
all	(Optional) Show running configuration for VTP with defaults

Command Mode

- /exec

show running-config wwnm

show running-config wwnm

Syntax Description

show	Show running system information
running-config	Current running configuration
wwnm	Display WWN Manager running configuration

Command Mode

- /exec

show running-config zone

show running-config zone

Syntax Description

show	Show running system information
running-config	Current operating configuration
zone	Display zone server running configuration

Command Mode

- /exec

show running-config zone vsan

show running-config zone vsan <vsan-id>

Syntax Description

show	Show running system information
running-config	Current operating configuration
zone	Display zone server running configuration per vsan
vsan	Vsan commands
<i>vsan-id</i>	Vsan id

Command Mode

- /exec

```
show running-config zone vsan
```




S Show Commands

- [show san-port-channel compatibility-parameters](#), on page 2833
- [show san-port-channel consistency](#), on page 2834
- [show san-port-channel consistency detail](#), on page 2835
- [show san-port-channel database](#), on page 2837
- [show san-port-channel summary](#), on page 2839
- [show san-port-channel usage](#), on page 2840
- [show scheduler config](#), on page 2841
- [show scheduler job](#), on page 2843
- [show scheduler logfile](#), on page 2844
- [show scheduler schedule](#), on page 2845
- [show segment-routing](#), on page 2846
- [show segment-routing clients](#), on page 2847
- [show segment-routing ipv4 connected-prefix-sid-map](#), on page 2848
- [show segment-routing mpls](#), on page 2849
- [show segment-routing mpls clients](#), on page 2850
- [show segment-routing mpls ipv4 connected-prefix-sid-map](#), on page 2851
- [show sflow](#), on page 2852
- [show sflow statistics](#), on page 2853
- [show snapshots](#), on page 2854
- [show snapshots compare](#), on page 2855
- [show snapshots compare ipv4routes](#), on page 2857
- [show snapshots compare ipv6routes](#), on page 2858
- [show snapshots compare summary](#), on page 2859
- [show snapshots dump](#), on page 2860
- [show snapshots dump](#), on page 2861
- [show snapshots sections](#), on page 2862
- [show snmp](#), on page 2863
- [show snmp community](#), on page 2866
- [show snmp context](#), on page 2867
- [show snmp engineID](#), on page 2868
- [show snmp group](#), on page 2869
- [show snmp host](#), on page 2870
- [show snmp nms-statistics](#), on page 2871

- [show snmp oid-statistics](#), on page 2872
- [show snmp sessions](#), on page 2873
- [show snmp source-interface](#), on page 2874
- [show snmp trap](#), on page 2875
- [show snmp user](#), on page 2876
- [show sockets client](#), on page 2877
- [show sockets connection](#), on page 2885
- [show sockets local-port-range](#), on page 2888
- [show sockets ns-port-kiosk](#), on page 2889
- [show sockets statistics](#), on page 2890
- [show sockets tcp keychain binding](#), on page 2900
- [show software authenticity file](#), on page 2901
- [show software authenticity keys](#), on page 2902
- [show spanning-tree](#), on page 2903
- [show spanning-tree blockedports](#), on page 2907
- [show spanning-tree bridge](#), on page 2908
- [show spanning-tree inconsistentports](#), on page 2910
- [show spanning-tree interface](#), on page 2911
- [show spanning-tree interface](#), on page 2914
- [show spanning-tree issu-impact](#), on page 2915
- [show spanning-tree mst](#), on page 2916
- [show spanning-tree mst configuration](#), on page 2921
- [show spanning-tree mst configuration digest](#), on page 2922
- [show spanning-tree mst interface](#), on page 2923
- [show spanning-tree pathcost method](#), on page 2926
- [show spanning-tree root](#), on page 2927
- [show spanning-tree summary](#), on page 2929
- [show spanning-tree summary totals](#), on page 2932
- [show sprom](#), on page 2934
- [show srte pce ipv4 peer](#), on page 2943
- [show srte policy](#), on page 2944
- [show srte policy fh](#), on page 2946
- [show srte policy proactive-policy-monitoring](#), on page 2947
- [show srte policy summary](#), on page 2949
- [show srv6 clients](#), on page 2951
- [show srv6 locator](#), on page 2953
- [show srv6 manager](#), on page 2954
- [show srv6 sid](#), on page 2956
- [show srv6 sid counters](#), on page 2957
- [show ssh key](#), on page 2958
- [show ssh server](#), on page 2959
- [show ssx details](#), on page 2960
- [show ssx exporter](#), on page 2961
- [show ssx monitor](#), on page 2962
- [show ssx record](#), on page 2963
- [show startup-config](#), on page 2964

- [show startup-config](#), on page 2965
- [show startup-config aaa](#), on page 2966
- [show startup-config aclog](#), on page 2967
- [show startup-config aclmgr](#), on page 2968
- [show startup-config adjmgr](#), on page 2969
- [show startup-config arp](#), on page 2970
- [show startup-config assoc](#), on page 2971
- [show startup-config backup](#), on page 2972
- [show startup-config bfd](#), on page 2973
- [show startup-config bgp](#), on page 2974
- [show startup-config bloggerd](#), on page 2975
- [show startup-config callhome](#), on page 2976
- [show startup-config cdp](#), on page 2977
- [show startup-config cert-enroll](#), on page 2978
- [show startup-config cfs](#), on page 2979
- [show startup-config config-profile](#), on page 2980
- [show startup-config copp](#), on page 2981
- [show startup-config dhcp](#), on page 2982
- [show startup-config diagnostic](#), on page 2983
- [show startup-config dot1x](#), on page 2984
- [show startup-config ecp](#), on page 2985
- [show startup-config eem](#), on page 2986
- [show startup-config eigrp](#), on page 2987
- [show startup-config eltm](#), on page 2988
- [show startup-config epbr](#), on page 2989
- [show startup-config evb](#), on page 2990
- [show startup-config exclude](#), on page 2991
- [show startup-config expand-port-profile](#), on page 2992
- [show startup-config fabric forwarding](#), on page 2993
- [show startup-config fabric multicast](#), on page 2994
- [show startup-config fabricpath](#), on page 2995
- [show startup-config fabricpath domain default](#), on page 2996
- [show startup-config fabricpath switch-id](#), on page 2997
- [show startup-config fabricpath topology](#), on page 2998
- [show startup-config fcoe_mgr](#), on page 2999
- [show startup-config fsync_mgr](#), on page 3000
- [show startup-config glbp](#), on page 3001
- [show startup-config hardware-telemetry](#), on page 3002
- [show startup-config hsrp](#), on page 3003
- [show startup-config icam](#), on page 3004
- [show startup-config icmpv6](#), on page 3005
- [show startup-config igmp](#), on page 3006
- [show startup-config imp](#), on page 3007
- [show startup-config interface](#), on page 3008
- [show startup-config interface](#), on page 3009
- [show startup-config ip](#), on page 3010

- [show startup-config ipqos](#), on page 3011
- [show startup-config ipv6](#), on page 3012
- [show startup-config isis](#), on page 3013
- [show startup-config l3vm](#), on page 3014
- [show startup-config ldap](#), on page 3015
- [show startup-config license](#), on page 3016
- [show startup-config lisp](#), on page 3017
- [show startup-config lldp](#), on page 3018
- [show startup-config macsec](#), on page 3019
- [show startup-config mdns](#), on page 3020
- [show startup-config mfwld](#), on page 3021
- [show startup-config mfwldv6](#), on page 3022
- [show startup-config mld](#), on page 3023
- [show startup-config mmode](#), on page 3024
- [show startup-config monitor](#), on page 3025
- [show startup-config mpls static](#), on page 3026
- [show startup-config mpls strip](#), on page 3027
- [show startup-config msdp](#), on page 3028
- [show startup-config nat](#), on page 3029
- [show startup-config nbm](#), on page 3030
- [show startup-config ngoam](#), on page 3031
- [show startup-config ntp](#), on page 3032
- [show startup-config nv overlay](#), on page 3033
- [show startup-config nxsdk](#), on page 3034
- [show startup-config ofm](#), on page 3035
- [show startup-config openconfig](#), on page 3036
- [show startup-config openflow](#), on page 3037
- [show startup-config ospf](#), on page 3038
- [show startup-config ospfv3](#), on page 3039
- [show startup-config otv-isis](#), on page 3040
- [show startup-config param-list](#), on page 3041
- [show startup-config pim](#), on page 3042
- [show startup-config pim6](#), on page 3043
- [show startup-config poe](#), on page 3044
- [show startup-config port-profile](#), on page 3045
- [show startup-config port-security](#), on page 3046
- [show startup-config ptp](#), on page 3047
- [show startup-config radius](#), on page 3048
- [show startup-config rip](#), on page 3049
- [show startup-config routing ip multicast](#), on page 3050
- [show startup-config routing ipv6 multicast](#), on page 3051
- [show startup-config rpm](#), on page 3052
- [show startup-config scheduler](#), on page 3053
- [show startup-config security](#), on page 3054
- [show startup-config segment-routing](#), on page 3055
- [show startup-config services](#), on page 3056

- [show startup-config sflow](#), on page 3057
- [show startup-config sla responder](#), on page 3058
- [show startup-config sla sender](#), on page 3059
- [show startup-config sla twamp-server](#), on page 3060
- [show startup-config snmp](#), on page 3061
- [show startup-config srte](#), on page 3062
- [show startup-config switch](#), on page 3063
- [show startup-config sync](#), on page 3064
- [show startup-config tacacs](#), on page 3065
- [show startup-config telemetry](#), on page 3066
- [show startup-config track](#), on page 3067
- [show startup-config tunnel-encryption](#), on page 3068
- [show startup-config udd](#), on page 3069
- [show startup-config vdc-all](#), on page 3070
- [show startup-config vdc](#), on page 3071
- [show startup-config virtual-service](#), on page 3072
- [show startup-config vlan](#), on page 3073
- [show startup-config vln](#), on page 3074
- [show startup-config vmtracker](#), on page 3075
- [show startup-config vpc](#), on page 3076
- [show startup-config vrf](#), on page 3077
- [show startup-config vrf default](#), on page 3078
- [show startup-config vrrpv3](#), on page 3079
- [show startup-config vshd](#), on page 3080
- [show startup-config vtp](#), on page 3081
- [show startup-config wwnm](#), on page 3082
- [show startup-config zone](#), on page 3083
- [show startup-config zone vsan](#), on page 3084
- [show summary](#), on page 3085
- [show switch-profile](#), on page 3086
- [show switch-profile](#), on page 3087
- [show switch-profile buffer](#), on page 3089
- [show switch-profile peer](#), on page 3090
- [show switch-profile status](#), on page 3091
- [show switching-mode](#), on page 3093
- [show switching-mode fabric-speed](#), on page 3094
- [show system acl](#), on page 3095
- [show system auto-collect tech-support](#), on page 3096
- [show system boottime](#), on page 3097
- [show system config reload-pending](#), on page 3098
- [show system cores](#), on page 3099
- [show system default switchport](#), on page 3100
- [show system default zone](#), on page 3101
- [show system error-id](#), on page 3102
- [show system exception-info](#), on page 3103
- [show system fabric-mode](#), on page 3104

- [show system fast-reload stabilization-timer](#), on page 3105
- [show system image-verification](#), on page 3106
- [show system inband cpu-mac log threshold](#), on page 3107
- [show system inband queuing statistics](#), on page 3108
- [show system inband queuing status](#), on page 3110
- [show system login](#), on page 3111
- [show system login failures](#), on page 3112
- [show system memory-thresholds](#), on page 3113
- [show system mode](#), on page 3114
- [show system nve infra-vlans](#), on page 3115
- [show system poap](#), on page 3116
- [show system pss shrink status](#), on page 3117
- [show system redundancy ha status](#), on page 3118
- [show system redundancy status](#), on page 3119
- [show system reset-reason](#), on page 3120
- [show system reset-reason](#), on page 3121
- [show system reset-reason module](#), on page 3122
- [show system resources](#), on page 3123
- [show system resources all-modules](#), on page 3125
- [show system routing mode](#), on page 3127
- [show system security](#), on page 3128
- [show system simulate fan-presence](#), on page 3129
- [show system standby manual-boot](#), on page 3130
- [show system switch-mode](#), on page 3131
- [show system uptime](#), on page 3132
- [show system verify bios flash](#), on page 3133
- [show system vlan reserved](#), on page 3134

show san-port-channel compatibility-parameters

```
show san-port-channel compatibility-parameters [ __readonly__ [ { TABLE_compatibility_params <parameter>
<description> } ] ]
```

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
compatibility-parameters	Show san-port-channel compatibility-parameters
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_compatibility_params</i>	(Optional) Table with compatibility params
<i>parameter</i>	(Optional) Compatibility parameter
<i>description</i>	(Optional) Parameter description

Command Mode

- /exec

show san-port-channel consistency

```
show san-port-channel consistency [ __readonly__ [ <msg> ] [ { [ <error_msg> ] [ <consistency_state> ] [
<module> ] [ { TABLE_inconsistent_database [ <database> ] [ { [ <total_port_channels> ] [ {
TABLE_san_port_channel_database [ <interface> ] [ <total_ports> ] [ <first_operational_port> ] [ {
TABLE_san_port_channel_member <port> <state> } ] [ <db_error_str> } ] } ] } ] } ] }
```

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency
<i>__readonly__</i>	(Optional) Read Only
<i>msg</i>	(Optional) Message string
<i>error_msg</i>	(Optional) Prints consistency errors, if any
<i>consistency_state</i>	(Optional) Consistency state
<i>module</i>	(Optional) Module no
TABLE_inconsistent_database	(Optional) Table with details of inconsistent dbs
<i>database</i>	(Optional) Inconsistent database
TABLE_san_port_channel_database	(Optional) san-po Table
<i>total_port_channels</i>	(Optional) Total port channels
<i>interface</i>	(Optional) san-port-channel interface
<i>first_operational_port</i>	(Optional) First oper port in san-po
<i>total_ports</i>	(Optional) Total number of ports in the san-po
TABLE_san_port_channel_member	(Optional) san-po member Table
<i>port</i>	(Optional) san-po member port
<i>state</i>	(Optional) san-po member port state
<i>db_error_str</i>	(Optional) prints cmd errors, if any

Command Mode

- /exec

show san-port-channel consistency detail

```
show san-port-channel consistency detail [ __readonly__ [ <sup_total_port_channels> ] [ { [ <sup_db_error_str> ] [ { TABLE_sup_san_port_channel_database <sup_interface> [ <sup_total_ports> ] [ <sup_first_operational_port> ] [ { TABLE_sup_san_port_channel_member <sup_port> <sup_state> } ] } ] } ] [ <msg> ] [ { [ <error_msg> ] [ <db_index> ] [ <module> ] [ { [ <total_port_channels> ] [ { TABLE_san_port_channel_database [ <interface> ] [ <total_ports> ] [ <first_operational_port> ] [ { TABLE_san_port_channel_member <port> <state> } ] [ <db_error_str> ] } ] } ] } ] [ <consistency_state> ] ]
```

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency
detail	Show san-port-channel distributed databases of all modules
__readonly__	(Optional) Read Only
sup_total_port_channels	(Optional) Authoritative po db - Total POs
TABLE_sup_san_port_channel_database	(Optional) Table with details of auth po db
sup_interface	(Optional) san-port-channel interface
sup_first_operational_port	(Optional) First oper port in san-po
sup_total_ports	(Optional) Total number of ports in the san-po
TABLE_sup_san_port_channel_member	(Optional) san-po member Table
sup_port	(Optional) san-po member port
sup_state	(Optional) san-po member port state
sup_db_error_str	(Optional) prints cmd errors, if any
msg	(Optional) Msg string
error_msg	(Optional) Prints errors, if any
db_index	(Optional) Database index
module	(Optional) Module no
total_port_channels	(Optional) Authoritative po db - Total POs
TABLE_san_port_channel_database	(Optional) Table with details of auth po db
interface	(Optional) san-port-channel interface
first_operational_port	(Optional) First oper port in san-po

<i>total_ports</i>	(Optional) Total number of ports in the san-po
TABLE_san_port_channel_member	(Optional) san-po member Table
<i>port</i>	(Optional) san-po member port
<i>state</i>	(Optional) san-po member port state
<i>db_error_str</i>	(Optional) prints cmd errors, if any
<i>consistency_state</i>	(Optional) Consistency state

Command Mode

- /exec

show san-port-channel database

```
show san-port-channel database [ interface <ifid> | all ] [ __readonly__ [ <error_str> ] [ {
TABLE_san_port_channel_database <interface> <admin_chan_mode> <oper_chan_mode>
<last_membership_update> [ <last_membership_update_fail_reason> ] [ <pcm_interface_flag> ] [
<vlan_interfaces> ] [ <first_operational_port> ] [ <total_ports> ] [ <total_oper_ports> ] [ {
TABLE_san_port_channel_member <port> <state> } } ] [ <cmd_error_str> ] ]
```

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
database	Show san-port-channel database
interface	(Optional) Specify a port-channel
<i>ifid</i>	(Optional)
all	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>__readonly__</i>	(Optional) Read Only
<i>error_str</i>	(Optional) Prints errors,if any
TABLE_san_port_channel_database	(Optional) san-port-channel database Table
<i>interface</i>	(Optional) san-po Interface
<i>admin_chan_mode</i>	(Optional) san-po administrative channel mode
<i>oper_chan_mode</i>	(Optional) san-po operational channel mode
<i>last_membership_update</i>	(Optional) Last membership update status
<i>last_membership_update_fail_reason</i>	(Optional) Membership update status casue
<i>pcm_interface_flag</i>	(Optional) san-po interface flag
<i>vlan_interfaces</i>	(Optional) san-po vlan interfaces
<i>first_operational_port</i>	(Optional) First oper port in san-po
<i>total_ports</i>	(Optional) Total number of ports in the san-po
<i>total_oper_ports</i>	(Optional) Total oper ports in the san-po
TABLE_san_port_channel_member	(Optional) san-po member Table
<i>port</i>	(Optional) san-po member port
<i>state</i>	(Optional) san-po member port state
<i>cmd_error_str</i>	(Optional) prints cmd errors,if any

Command Mode

- /exec

show san-port-channel summary

```
show san-port-channel summary [ __readonly__ [ { TABLE_san_port_channel_summary <interface>
<total_ports> <total_oper_ports> <first_operational_port> } ] [ <cmd_error_str> ] ]
```

Syntax Description

<i>show</i>	Show running system information
<i>san-port-channel</i>	Show san-port-channel information
<i>summary</i>	Show san-port-channel summary
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_san_port_channel_summary</i>	(Optional) san-port-channel Summary Table
<i>interface</i>	(Optional) san-po Interface
<i>total_ports</i>	(Optional) Total number of ports in the san-po
<i>total_oper_ports</i>	(Optional) Total oper ports in the san-po
<i>first_operational_port</i>	(Optional) First oper port in san-po
<i>cmd_error_str</i>	(Optional) Prints cmd error,if any

Command Mode

- /exec

show san-port-channel usage

```
show san-port-channel usage [ __readonly__ [ <total_channel_numbers_used> { <used_range> } + {
<unused_range> } + ] [ <error_str> ] ]
```

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
usage	Show san-port-channel usages
<i>__readonly__</i>	(Optional) Read Only
<i>total_channel_numbers_used</i>	(Optional) Total used number of port-channels
<i>used_range</i>	(Optional) Used range
<i>unused_range</i>	(Optional) Un-used range
<i>error_str</i>	(Optional) Prints error if any

Command Mode

- /exec

show scheduler config

```
show scheduler config [ __readonly__ [ <terminal> ] [ <feature> ] [ <logfilesize> ] [ <emailfrom> ] [
<emailreplyto> ] [ <smtpserver> ] [ <port> ] [ <usevrf> ] [ { TABLE_userconfig <username> [ <password>
} ] ] [ { TABLE_jobconfig <jobdata> } ] [ { TABLE_scheduleconfig <schedulename> [ <scheduletype> ] [
{ TABLE_jobs <status> } ] [ <email> } ] ] ]
```

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
config	Display scheduler config
<i>__readonly__</i>	(Optional)
<i>terminal</i>	(Optional) logfile terminal
<i>feature</i>	(Optional) name service
<i>logfilesize</i>	(Optional) logfilesize
<i>emailfrom</i>	(Optional) emailfrom
<i>emailreplyto</i>	(Optional) emailreplyto
<i>smtpserver</i>	(Optional) smtpserver
<i>port</i>	(Optional) port
<i>usevrf</i>	(Optional) usevrf
TABLE_userconfig	(Optional) userconfig
<i>username</i>	(Optional) username
<i>password</i>	(Optional) password
TABLE_jobconfig	(Optional) job configs
<i>jobdata</i>	(Optional) jobdata
TABLE_scheduleconfig	(Optional) schedule configs
<i>schedulename</i>	(Optional) schedulename
<i>scheduletype</i>	(Optional) scheduletype
TABLE_jobs	(Optional) jobs
<i>status</i>	(Optional) status
<i>email</i>	(Optional) email

Command Mode

- /exec

show scheduler job

```
show scheduler job [ name <s0> ] [ __readonly__ [ { TABLE_schedulerjobs <jobname> [ <jobdata> ] } ] ]
```

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
job	Display job information
name	(Optional) Specify the name of job
<i>s0</i>	(Optional) Specify the job name
<i>__readonly__</i>	(Optional)
TABLE_schedulerjobs	(Optional) schedulerjobs
<i>jobname</i>	(Optional) job name
<i>jobdata</i>	(Optional) job data

Command Mode

- /exec

show scheduler logfile

```
show scheduler logfile [ __readonly__ [ { TABLE_joblog <jobname> [ <jobstatus> ] [ <schedulename> ] [ <scheduleusername> ] [ <completiontime> ] [ <joboutput> ] } ] ]
```

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
logfile	Display scheduler job output log
<i>__readonly__</i>	(Optional)
<i>TABLE_joblog</i>	(Optional) jobs log
<i>jobname</i>	(Optional) job name
<i>jobstatus</i>	(Optional) job status
<i>schedulename</i>	(Optional) schedulename
<i>scheduleusername</i>	(Optional) scheduleusername
<i>completiontime</i>	(Optional) completiontime
<i>joboutput</i>	(Optional) joboutput

Command Mode

- /exec

show scheduler schedule

```
show scheduler schedule [ name <s0> ] [ __readonly__ [ { TABLE_schedules <schedulename> [
<scheduleusername> ] [ <scheduletype> ] [ <starttime> ] [ <lastexecetime> ] [ <lastcompletiontime> ] [
<execcount> ] [ <jobcount> ] [ { TABLE_jobs <jobname> [ <execstatus> ] } } ] ] ]
```

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
schedule	Display schedule information
name	(Optional) Specify the name of schedule
<i>s0</i>	(Optional) Specify the schedule name
<i>__readonly__</i>	(Optional)
TABLE_schedules	(Optional) schedules
<i>schedulename</i>	(Optional) Schedule name
<i>scheduleusername</i>	(Optional) schedule username
<i>scheduletype</i>	(Optional) scheduletype
<i>starttime</i>	(Optional) starttime
<i>lastexecetime</i>	(Optional) last exec time
<i>lastcompletiontime</i>	(Optional) lastcompletiontime
<i>execcount</i>	(Optional) execcount
<i>jobcount</i>	(Optional) jobcount
TABLE_jobs	(Optional) jobs
<i>jobname</i>	(Optional) jobname
<i>execstatus</i>	(Optional) execstatus

Command Mode

- /exec

show segment-routing

```
show segment-routing [ detail ] [ __readonly__ <srvname> <state> <process_id> [ <srgb_min_label>
<srgb_max_label> <srgb_alloc_status> [ <oper_srgb_min_label> <oper_srgb_max_label> ] <cleanup_intvl>
<retry_intvl> [ <num_retries> ] [ <srgb_alloc_hdl> ] [ <cleanup_timer_state> <retry_timer_state> ] ] [
<ulib_reg_status> [ <ulib_pib_hdl> ] ] ]
```

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
detail	(Optional) Show detailed information
__readonly__	(Optional)
<i>srvname</i>	(Optional) Service name
<i>state</i>	(Optional) Process state
<i>process_id</i>	(Optional) Process id
<i>srgb_min_label</i>	(Optional) Configured SRGB min label
<i>srgb_max_label</i>	(Optional) Configured SRGB max label
<i>srgb_alloc_status</i>	(Optional) SRGB allocation status
<i>oper_srgb_min_label</i>	(Optional) Operational SRGB min label
<i>oper_srgb_max_label</i>	(Optional) Operational SRGB max label
<i>cleanup_intvl</i>	(Optional) SRGB cleanup interval
<i>retry_intvl</i>	(Optional) SRGB alloc retry interval
<i>num_retries</i>	(Optional) SRGB alloc retries done
<i>srgb_alloc_hdl</i>	(Optional) SRGB alloc handle
<i>cleanup_timer_state</i>	(Optional) SRGB cleanup timer state
<i>retry_timer_state</i>	(Optional) SRGB retry timer state
<i>ulib_reg_status</i>	(Optional) ULIB registration done
<i>ulib_pib_hdl</i>	(Optional) ULIB PIB handle

Command Mode

- /exec

show segment-routing clients

```
show segment-routing clients [ __readonly__ [ { TABLE_client <client_pib_name> <client_pib_index>
<client_uuid> <client_pid> <client_sap> [ { TABLE_tib <vrf_name> <tib_name> [ <pfxsid_cleanup_status>
] } ] } ] <total_clients> ]
```

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
clients	Show client info
<i>__readonly__</i>	(Optional)
TABLE_client	(Optional)
<i>client_pib_name</i>	(Optional) Client name
<i>client_pib_index</i>	(Optional) Client pib index
<i>client_uuid</i>	(Optional) Client UUID
<i>client_pid</i>	(Optional) Client PID
<i>client_sap</i>	(Optional) Client SAP
TABLE_tib	(Optional)
<i>vrf_name</i>	(Optional) VRF name
<i>tib_name</i>	(Optional) Table name
<i>pfxsid_cleanup_status</i>	(Optional) Prefixsid Cleanup Pending?
<i>total_clients</i>	(Optional) Total number of clients

Command Mode

- /exec

show segment-routing ipv4 connected-prefix-sid-map

```
show segment-routing ipv4 connected-prefix-sid-map [ __readonly__ [ { TABLE_tib <vrf_name> <tib_name>
[ { TABLE_pfxsid <prefix> <index> <absolute> <range> <valid> } ] } ] ] ]
```

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
ipv4	Show info for IPv4 address-family
connected-prefix-sid-map	Show prefix-sid mapping
<i>__readonly__</i>	(Optional)
<i>TABLE_tib</i>	(Optional)
<i>vrf_name</i>	(Optional) Vrf name
<i>tib_name</i>	(Optional) Table name
<i>TABLE_pfxsid</i>	(Optional)
<i>prefix</i>	(Optional) Prefix
<i>index</i>	(Optional) Segment ID
<i>absolute</i>	(Optional) Segment ID is absolute?
<i>range</i>	(Optional) Range of Segment IDs from index
<i>valid</i>	(Optional) Segment ID is valid?

Command Mode

- /exec

show segment-routing mpls

```
show segment-routing mpls [ detail ] [ __readonly__ <srvname> <state> <process_id> [ <srgb_min_label>
<srgb_max_label> <srgb_alloc_status> [ <oper_srgb_min_label> <oper_srgb_max_label> ] <cleanup_intvl>
<retry_intvl> [ <num_retries> ] [ <srgb_alloc_hdl> ] [ <cleanup_timer_state> <retry_timer_state> ] ] [
<ulib_reg_status> [ <ulib_pib_hdl> ] ] ]
```

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
detail	(Optional) Show detailed information
__readonly__	(Optional)
srvname	(Optional) Service name
state	(Optional) Process state
process_id	(Optional) Process id
srgb_min_label	(Optional) Configured SRGB min label
srgb_max_label	(Optional) Configured SRGB max label
srgb_alloc_status	(Optional) SRGB allocation status
oper_srgb_min_label	(Optional) Operational SRGB min label
oper_srgb_max_label	(Optional) Operational SRGB max label
cleanup_intvl	(Optional) SRGB cleanup interval
retry_intvl	(Optional) SRGB alloc retry interval
num_retries	(Optional) SRGB alloc retries done
srgb_alloc_hdl	(Optional) SRGB alloc handle
cleanup_timer_state	(Optional) SRGB cleanup timer state
retry_timer_state	(Optional) SRGB retry timer state
ulib_reg_status	(Optional) ULIB registration done
ulib_pib_hdl	(Optional) ULIB PIB handle

Command Mode

- /exec

show segment-routing mpls clients

```
show segment-routing mpls clients [ __readonly__ [ { TABLE_client <client_pib_name> <client_pib_index>
<client_uuid> <client_pid> <client_sap> [ { TABLE_tib <vrf_name> <tib_name> [ <pxsid_cleanup_status>
] } ] } ] <total_clients> ]
```

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
clients	Show client info
<i>__readonly__</i>	(Optional)
<i>TABLE_client</i>	(Optional)
<i>client_pib_name</i>	(Optional) Client name
<i>client_pib_index</i>	(Optional) Client pib index
<i>client_uuid</i>	(Optional) Client UUID
<i>client_pid</i>	(Optional) Client PID
<i>client_sap</i>	(Optional) Client SAP
<i>TABLE_tib</i>	(Optional)
<i>vrf_name</i>	(Optional) VRF name
<i>tib_name</i>	(Optional) Table name
<i>pxsid_cleanup_status</i>	(Optional) Prefixsid Cleanup Pending?
<i>total_clients</i>	(Optional) Total number of clients

Command Mode

- /exec

show segment-routing mpls ipv4 connected-prefix-sid-map

```
show segment-routing mpls ipv4 connected-prefix-sid-map [ __readonly__ [ { TABLE_tib <vrf_name>
<tib_name> [ { TABLE_pfxsid <prefix> <index> <absolute> <range> <valid> } ] } ] ] ]
```

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
ipv4	Show info for IPv4 address-family
connected-prefix-sid-map	Show prefix-sid mapping
<i>__readonly__</i>	(Optional)
<i>TABLE_tib</i>	(Optional)
<i>vrf_name</i>	(Optional) Vrf name
<i>tib_name</i>	(Optional) Table name
<i>TABLE_pfxsid</i>	(Optional)
<i>prefix</i>	(Optional) Prefix
<i>index</i>	(Optional) Segment ID
<i>absolute</i>	(Optional) Segment ID is absolute?
<i>range</i>	(Optional) Range of Segment IDs from index
<i>valid</i>	(Optional) Segment ID is valid?

Command Mode

- /exec

show sflow

```
show sflow [ __readonly__ <sampling-rate> <max-sampled-size> <counter-poll-interval> <max-datagram-size>
<collector-vrf> <collector-ip> <collector-ipv6> [ <source-ip> ] [ <source-ipv6> ] <collector-port> <agent-ip>
[ <data-source-interface> + ] ]
```

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration
<i>__readonly__</i>	(Optional) Read only
<i>sampling-rate</i>	(Optional) Sampling Rate
<i>max-sampled-size</i>	(Optional) Max Sampled Size
<i>counter-poll-interval</i>	(Optional) Counter Poll Interval
<i>max-datagram-size</i>	(Optional) Max Datagram Size
<i>collector-vrf</i>	(Optional) Collector VRF
<i>collector-ip</i>	(Optional) Collector IP
<i>collector-ipv6</i>	(Optional) Collector IPv6
<i>source-ip</i>	(Optional) Source IP
<i>source-ipv6</i>	(Optional) Source IPv6
<i>collector-port</i>	(Optional) Collector Port
<i>agent-ip</i>	(Optional) Agent IP
<i>data-source-interface</i>	(Optional) Data Source Interface

Command Mode

- /exec

show sflow statistics

```
show sflow statistics [ __readonly__ <total-packets> <total-samples> <processed-samples> <dropped-samples>
[ <rate-limiter-drops> ] [ <dropped-sflow-samples> ] <sent-datagrams> <dropped-datagrams> ]
```

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration
statistics	Display sFlow statistics
<i>__readonly__</i>	(Optional) Read only
<i>total-packets</i>	(Optional) Total Packets
<i>total-samples</i>	(Optional) Total Samples
<i>processed-samples</i>	(Optional) Processed Samples
<i>dropped-samples</i>	(Optional) Dropped Samples
<i>rate-limiter-drops</i>	(Optional) Rate-Limiter Drops
<i>dropped-sflow-samples</i>	(Optional) Dropped sflow Samples
<i>sent-datagrams</i>	(Optional) Sent Datagrams
<i>dropped-datagrams</i>	(Optional) Dropped Datagrams

Command Mode

- /exec

show snapshots

show snapshots [__readonly__ TABLE_snapshot <snap_name> <snap_ctime> <description>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
__readonly__	(Optional)
TABLE_snapshot	(Optional)
<i>snap_name</i>	(Optional) snapshot name
<i>snap_ctime</i>	(Optional) snapshot create time
<i>description</i>	(Optional) snapshot description

Command Mode

- /exec

show snapshots compare

```
show snapshots compare <snapshot-name-T1> <snapshot-name-T2> [ __readonly__ TABLE_feature
<feat_name> [ <feat_state1> <feat_state2> ] [ TABLE_element <elemkey1> <elemval1> [ <elemkey2>
<elemval2> ] [ <elemkey3> <elemval3> ] [ <elemkey4> <elemval4> ] [ <elemstate1> <elemstate2> ] [
TABLE_value <tag> <val1> <val2> ] [ TABLE_subrow <subrowkey> <subrowval> [ <substate1> <substate2>
] [ TABLE_subvalue <tag> <val1> <val2> ] ] ] ]
```

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
<i>__readonly__</i>	(Optional)
TABLE_feature	(Optional)
<i>feat_name</i>	(Optional) feature name
<i>feat_state1</i>	(Optional) feature state in snapshot1
<i>feat_state2</i>	(Optional) feature state in snapshot2
TABLE_element	(Optional)
<i>elemkey1</i>	(Optional) element key1
<i>elemval1</i>	(Optional) element value1
<i>elemkey2</i>	(Optional) element key2
<i>elemval2</i>	(Optional) element value2
<i>elemkey3</i>	(Optional) element key3
<i>elemval3</i>	(Optional) element value3
<i>elemkey4</i>	(Optional) element key4
<i>elemval4</i>	(Optional) element value4
<i>elemstate1</i>	(Optional) element state in snapshot 1
<i>elemstate2</i>	(Optional) element state in snapshot 2
TABLE_value	(Optional)
<i>tag</i>	(Optional) element tag

<i>val1</i>	(Optional) element value for tag in snapshot1
<i>val2</i>	(Optional) element value for tag in snapshot2
TABLE_subrow	(Optional)
<i>subrowkey</i>	(Optional) subrow key
<i>subrowval</i>	(Optional) subrow value
<i>substate1</i>	(Optional) subrow state in snapshot 1
<i>substate2</i>	(Optional) subrow state in snapshot 2
TABLE_subvalue	(Optional)
<i>tag</i>	(Optional) subrow tag
<i>val1</i>	(Optional) subrow value for tag in snapshot1
<i>val2</i>	(Optional) subrow value for tag in snapshot2

Command Mode

- /exec

show snapshots compare ipv4routes

```
show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv4routes [ __readonly__
TABLE_summary <item_desc> <summary_val1> <summary_val2> [ <changed> ] [ TABLE_prefix <prefix>
<missing_snapshot> ] ]
```

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
ipv4routes	Compare ipv4 route information
<i>__readonly__</i>	(Optional)
TABLE_summary	(Optional)
<i>item_desc</i>	(Optional) item description
<i>summary_val1</i>	(Optional) summary value in snapshot1
<i>summary_val2</i>	(Optional) summary value in snapshot2
<i>changed</i>	(Optional) changed flag
TABLE_prefix	(Optional)
<i>prefix</i>	(Optional) route prefix
<i>missing_snapshot</i>	(Optional) missing in snapshot name

Command Mode

- /exec

show snapshots compare ipv6routes

```
show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv6routes [ __readonly__
TABLE_summary <item_desc> <summary_val1> <summary_val2> [ <changed> ] [ TABLE_prefix <prefix>
<missing_snapshot> ] ]
```

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
ipv6routes	Compare ipv6 route information
<i>__readonly__</i>	(Optional)
TABLE_summary	(Optional)
<i>item_desc</i>	(Optional) item description
<i>summary_val1</i>	(Optional) summary value in snapshot1
<i>summary_val2</i>	(Optional) summary value in snapshot2
<i>changed</i>	(Optional) changed flag
TABLE_prefix	(Optional)
<i>prefix</i>	(Optional) route prefix
<i>missing_snapshot</i>	(Optional) missing in snapshot name

Command Mode

- /exec

show snapshots compare summary

```
show snapshots compare <snapshot-name-T1> <snapshot-name-T2> summary [ __readonly__
TABLE_summary <item_desc> <summary_val1> <summary_val2> [ <changed> ] ]
```

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
summary	Compare summary information
<i>__readonly__</i>	(Optional)
<i>TABLE_summary</i>	(Optional)
<i>item_desc</i>	(Optional) item description
<i>summary_val1</i>	(Optional) summary value in snapshot1
<i>summary_val2</i>	(Optional) summary value in snapshot2
<i>changed</i>	(Optional) changed flag

Command Mode

- /exec

show snapshots dump

```
show snapshots dump <snapshot-name> <section-name> [ __readonly__ TABLE_snapshot <file_name>
<snap_name> ]
```

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
<i>snapshot-name</i>	Name of a snapshot
<i>section-name</i>	Name of snapshot section
<code>__readonly__</code>	(Optional)
TABLE_snapshot	(Optional)
<i>file_name</i>	(Optional) snapshot XML file name
<i>snap_name</i>	(Optional) snapshot name

Command Mode

- /exec

show snapshots dump

show snapshots dump <snapshot-name> [__readonly__ TABLE_snapshot <file_name> <snap_name>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
<i>snapshot-name</i>	Name of a snapshot
<i>__readonly__</i>	(Optional)
<i>TABLE_snapshot</i>	(Optional)
<i>file_name</i>	(Optional) snapshot XML file name
<i>snap_name</i>	(Optional) snapshot name

Command Mode

- /exec

show snapshots sections

show snapshots sections [*__readonly__* *TABLE_snapsection* <sectname> <sectcmd> <sectrow> <sectkey1> <sectkey2>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
sections	User-specified snapshot sections
<i>__readonly__</i>	(Optional)
<i>TABLE_snapsection</i>	(Optional)
<i>sectname</i>	(Optional) snapshot section name
<i>sectcmd</i>	(Optional) snapshot section show command
<i>sectrow</i>	(Optional) snapshot section row id
<i>sectkey1</i>	(Optional) snapshot section key1
<i>sectkey2</i>	(Optional) snapshot section key2

Command Mode

- /exec

show snmp

```
show snmp [ __readonly__ <sys_contact> <sys_location> <snmp_input_packets> <bad_snmp_version>
<unknown_community_name> <illegal_community_name> <encoding_Err> <req_var_nums> <alt_var_nums>
<get_req_in> <getnext_req_in> <set_req_in> <noname_pdu_in> <badval_pdu_in> <ro_pdu_in>
<genral_err_in> <get_resp_in> <unknown_ctx> <snmp_output_packets> <trap_pdu> <toobig_err>
<noname_pdu_out> <badval_pdu_out> <genral_err_out> <get_req_out> <getnext_req_out> <set_req_out>
<get_resp_out> <silent_drops> [ <max_pkt_size> ] [ { TABLE_snmp_community <community_name>
<grouporaccess> <context> <aclfilter> } ] [ { TABLE_snmp_users <user> <auth> <priv> [ { TABLE_groups
<group> } ] [ <acl_filter> ] [ <engineID> } ] ] <tcp_auth_status> [ <port_mon_status> [ <policy_name>
<pol_admin_status> <plo_oper_status> <pol_port_type> [ TABLE_policies <counter> <threshold> <interval>
<rising_threshold> <rising_event> <falling_threshold> <falling_event> <pmon_config> ] ] ] [ <protocol_status>
] [ { TABLE_snmp_contexts <context_name> <proto_instanceid> <vrf> <topology> [ <vlan> | <MST> } ]
] ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
<i>__readonly__</i>	(Optional) Read Only
TABLE_snmp_community	(Optional) Table that displays the community information
TABLE_snmp_users	(Optional) Table that displays the user information
TABLE_groups	(Optional) Table that displays the group information
TABLE_policies	(Optional) Table that displays the policy information
TABLE_snmp_contexts	(Optional) Table that displays the context information
<i>sys_contact</i>	(Optional) System Contact
<i>sys_location</i>	(Optional) System Location
<i>snmp_input_packets</i>	(Optional) SNMP input packets
<i>bad_snmp_version</i>	(Optional) bad snmp version in Input SNMP packets
<i>unknown_community_name</i>	(Optional) unknown community name in Input SNMP packets
<i>illegal_community_name</i>	(Optional) Illegal community name in Input SNMP packets
<i>encoding_Err</i>	(Optional) Encoding Errors in Input SNMP packets
<i>req_var_nums</i>	(Optional) number of requested variables
<i>alt_var_nums</i>	(Optional) number of altered variable
<i>get_req_in</i>	(Optional) GET request in Input SNMP packets
<i>getnext_req_in</i>	(Optional) GET-NEXT request in Input SNMP packets

<i>set_req_in</i>	(Optional) SET request in Input SNMP packets
<i>noname_pdu_in</i>	(Optional) NONAME PDU in Input SNMP packets
<i>badval_pdu_in</i>	(Optional) Bad value PDU in Input SNMP packets
<i>ro_pdu_in</i>	(Optional) Read only PDU in Input SNMP packets
<i>genral_err_in</i>	(Optional) Genral Error in Input SNMP packets
<i>get_resp_in</i>	(Optional) Get Response PDU in Input SNMP packets
<i>unknown_ctx</i>	(Optional) Unknown context Name in Input SNMP packets
<i>snmp_output_packets</i>	(Optional) SNMP Output Packets
<i>trap_pdu</i>	(Optional) Trap PDU in Output SNMP Packets
<i>toobig_err</i>	(Optional) Too Big errors in Output SNMP Packets
<i>noname_pdu_out</i>	(Optional)
<i>badval_pdu_out</i>	(Optional) NoName PDU in Output SNMP Packets
<i>genral_err_out</i>	(Optional) Genral Error in Output SNMP Packets
<i>get_req_out</i>	(Optional) GET request in Output SNMP Packets
<i>getnext_req_out</i>	(Optional) GET-NEXTrequest in Output SNMP Packets
<i>set_req_out</i>	(Optional) SET request in Output SNMP packets
<i>get_resp_out</i>	(Optional) Get Response PDU in Output SNMP Packets
<i>silent_drops</i>	(Optional) Silent Drop packets
<i>max_pkt_size</i>	(Optional) Maximum packet size
<i>community_name</i>	(Optional) community name
<i>grouporaccess</i>	(Optional) Group name
<i>context</i>	(Optional) context Name
<i>aclfilter</i>	(Optional) Acl filter name
<i>user</i>	(Optional) User name
<i>auth</i>	(Optional) Auth type
<i>priv</i>	(Optional) Priv Type
<i>group</i>	(Optional) Group name
<i>acl_filter</i>	(Optional) acl filter
<i>engineID</i>	(Optional) engine id for the user

<i>tcp_auth_status</i>	(Optional) TCP authentication status
<i>port_mon_status</i>	(Optional) Port monitor status
<i>policy_name</i>	(Optional) policy name
<i>pol_admin_status</i>	(Optional) Policy Admin status
<i>plo_oper_status</i>	(Optional) Police oper status
<i>pol_port_type</i>	(Optional) policy port type
<i>counter</i>	(Optional) counters
<i>threshold</i>	(Optional) Threshold
<i>interval</i>	(Optional) Interval
<i>rising_threshold</i>	(Optional) Rising threshold
<i>rising_event</i>	(Optional) Rising Event
<i>falling_threshold</i>	(Optional) Falling threshold
<i>falling_event</i>	(Optional) Falling Event
<i>pmon_config</i>	(Optional) PMON configured
<i>protocol_status</i>	(Optional) Protocol Enable status
<i>context_name</i>	(Optional) context name
<i>proto_instanceid</i>	(Optional) Protocol instance ID
<i>vrf</i>	(Optional) VRF Name
<i>topology</i>	(Optional) Topology
<i>vlan</i>	(Optional) VLAN name
<i>MST</i>	(Optional) MST name

Command Mode

- /exec

show snmp community

```
show snmp community [ __readonly__ { TABLE_snmp_community <community_name> <grouporaccess>
<context> <aclfilter> } ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
community	show snmp community strings
__readonly__	(Optional) Read Only
TABLE_snmp_community	(Optional) contains all snmp community names
<i>community_name</i>	(Optional) community name
<i>grouporaccess</i>	(Optional) group or access name
<i>context</i>	(Optional) context name
<i>aclfilter</i>	(Optional) acl filter name

Command Mode

- /exec

show snmp context

```
show snmp context [ __readonly__ { TABLE_snmp_contexts <context_name> <proto_instanceid> <vrf>
<topology> [ <vlan> | <MST> ] } ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
context	show snmp context mapping entries
__readonly__	(Optional)
TABLE_snmp_contexts	(Optional) All SNMP Contexts Entries
<i>context_name</i>	(Optional) SNMP context Name
<i>proto_instanceid</i>	(Optional) Name of the protocol instance
<i>vrf</i>	(Optional) VRF name
<i>topology</i>	(Optional) Name of the Topology
<i>vlan</i>	(Optional) VLAN Name
<i>MST</i>	(Optional)

Command Mode

- /exec

show snmp engineID

show snmp engineID [__readonly__ <engineIDHex> <engineIDDec>]

Syntax Description

show	Show running system information
snmp	show snmp information
engineID	show snmp engineID
__readonly__	(Optional)
<i>engineIDHex</i>	(Optional) SNMP engineID in HEX
<i>engineIDDec</i>	(Optional) SNMP engineID in Decimal

Command Mode

- /exec

show snmp group

```
show snmp group [ __readonly__ { TABLE_role <role_name> <role_description> [ <attribute_scope> ] [
<permit_vsan> ] [ <permit_vlan> ] [ <permit_vlan_id> ] [ <permit_interface> ] [ <permit_interface_slot> ]
[ <permit_vrf> ] [ TABLE_vrf<permit_vrf_name> ] [ { TABLE_rule [ <rule_num> ] [ <rule_action> ] {
<rule_permission> | <rule_permission_mds> } [ <rule_featuretype> ] [ <rule_entity> ] } } ] ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
group	show snmp group
__readonly__	(Optional) Read Only
TABLE_role	(Optional) Table displays role
<i>role_name</i>	(Optional) Role Name
<i>role_description</i>	(Optional) Role Description
<i>attribute_scope</i>	(Optional) Role scope
<i>permit_vsan</i>	(Optional) permitted vsan
<i>permit_vlan</i>	(Optional)
<i>permit_vlan_id</i>	(Optional)
<i>permit_interface</i>	(Optional)
<i>permit_interface_slot</i>	(Optional)
<i>permit_vrf</i>	(Optional)
TABLE_rule	(Optional)
<i>rule_num</i>	(Optional)
<i>rule_action</i>	(Optional)
<i>rule_permission</i>	(Optional)
<i>rule_permission_mds</i>	(Optional)
<i>rule_featuretype</i>	(Optional)
<i>rule_entity</i>	(Optional)

Command Mode

- /exec

show snmp host

```
show snmp host [ __readonly__ { TABLE_host <host><port><version><level><type><secname> [ [ <vrf>
] [ TABLE_vrf_filters <vrf_filter> ] [ <src_intf> ] ] } ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
host	show snmp hosts
__readonly__	(Optional) Read Only
TABLE_host	(Optional) displays the list of hosts configured for snmp requests
TABLE_vrf_filters	(Optional) displays the host vrf filters
vrf	(Optional) VRF Name
vrf_filter	(Optional) vrf filters
src_intf	(Optional) source interface

Command Mode

- /exec

show snmp nms-statistics

```
show snmp nms-statistics [ __readonly__ <header> [ <nms_stats> ] ]
```

Syntax Description

show	Show running system information
snmp	Show snmp information
nms-statistics	Show SNMP NMS statistics
__readonly__	(Optional) Read Only
<i>header</i>	(Optional) NMS Statistics header
<i>nms_stats</i>	(Optional) NMS Statistics

Command Mode

- /exec

show snmp oid-statistics

```
show snmp oid-statistics [ last-access ] [ __readonly__ <header> { TABLE_snmp_gen <oid_stats> |
TABLE_snmp_la <oid_last_access_stats> } ]
```

Syntax Description

show	Show running system information
snmp	Show snmp information
oid-statistics	Show SNMP oid statistics
last-access	(Optional) Show SNMP oid statistics of last-access
__readonly__	(Optional) Read Only
<i>header</i>	(Optional) OID Statistics header
TABLE_snmp_gen	(Optional) contains all snmp oid statistics
<i>oid_stats</i>	(Optional) OID Statistics
TABLE_snmp_la	(Optional) contains all snmp oid last access statistics
<i>oid_last_access_stats</i>	(Optional) OID Last Access Statistics

Command Mode

- /exec

show snmp sessions

show snmp sessions [__readonly__ { TABLE_session <dest> }]

Syntax Description

show	Show running system information
snmp	show snmp information
sessions	show snmp sessions
__readonly__	(Optional) Read Only
TABLE_session	(Optional) table displays destination
<i>dest</i>	(Optional) destination

Command Mode

- /exec

show snmp source-interface

```
show snmp source-interface [ __readonly__ { <trap_srcintf> <informs_srcintf> } ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
source-interface	show source-interface through which notifications are sent
__readonly__	(Optional) Read Only
<i>trap_srcintf</i>	(Optional) Displays the source interface for traps
<i>informs_srcintf</i>	(Optional) Displays the source interface for informs

Command Mode

- /exec

show snmp trap

```
show snmp trap [ __readonly__ { TABLE_snmp_trap <trap_type><description><isEnabled> } ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
trap	show snmp traps
__readonly__	(Optional) Read Only
TABLE_snmp_trap	(Optional) All snmp traps configured

Command Mode

- /exec

show snmp user

```
show snmp user [ <s0> [ engineID <s1> ] ] [ __readonly__ [ { TABLE_snmp_users <user> <auth> <priv> [ <group> ] + [ <acl_filter> ] [ <engineID> } } ] ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
user	show SNMPv3 users
<i>s0</i>	(Optional) Name of the user
engineID	(Optional) engineID
<i>s1</i>	(Optional) Target's SNMP engineID(colon separated) for SNMPv3 inform
__readonly__	(Optional) Read Only
TABLE_snmp_users	(Optional) table displays the snmp users
<i>user</i>	(Optional) user name
<i>auth</i>	(Optional) auth type
<i>priv</i>	(Optional) priv type
<i>group</i>	(Optional) group belongs to
<i>acl_filter</i>	(Optional) acl filter
<i>engineID</i>	(Optional) engineID for specific user

Command Mode

- /exec

show sockets client

```

show sockets client { [ pid <pid> ] [ tcp | udp | raw ] [ detail ] [ kstack-ns-all ] } [ __readonly__ [
TABLE_total_clients [ <socket-type> <total-clients> ] [ <no-total-clients> ] [ TABLE_cl_sk { <prefix>
<client-name> <pid> <No-of-clients> } [ <fast-tcp-mts-ctrl-q> ] [ { <cancel-requests> <cancel-unblocks>
<cancel-misses> <select-drops> <select-wakes> } ] [ TABLE_det [ { <fd> <client-id> [ <mts-sap> } ] ] [
TABLE_st [ <soc-calls> ] [ <bind-calls> ] [ <listen-calls> ] [ <accept-calls> ] [ <acc-dispat-err> ] [
<connect-calls> ] [ <connec-dispatch> ] [ <recvmsg-dispatch> ] [ <recv-dis-nblock> ] [ <recvmsg-call> ] [
<brecv-dispatch> ] [ <fsendmsg-calls> ] [ <sendmsg-dispatch> ] [ <sendmsg-calls> ] [ <msendmsg-calls> ]
[ <select-calls> ] [ <select-dispatch> ] [ <select-need-work> ] [ <sh-calls> ] [ <close-calls> ] [ <fcntl-calls>
] [ <ioclt-calls> ] [ <setsock-calls> ] [ <getsock-calls> ] [ <getsockname-calls> ] [ <getpeer-calls> ] [
<fork-calls> ] [ <execve-calls> ] [ <dup-calls> ] [ <can-calls> ] [ <can-miss> ] [ <can-unblk-sele> ] [
<soc-ha-calls> ] [ <pfork-client> ] [ <read-fd> ] [ <write-fd> ] [ <read-fd-set> ] [ <write-fd-set> ] [
<fast-tcp-send-req> ] [ <fast-tcp-send-suc> ] [ <fast-tcp-ack> ] ] [ TABLE_sterr [ <sock-err> ] [
<sock-nodev-err> ] [ <bind-err> ] [ <lis-err> ] [ <accept-err> ] [ <connect-err> ] [ <recvmsg-err> ] [
<brecvmsg-err> ] [ <fsendmsg-err> ] [ <sendmsg-err> ] [ <msndmsg-err> ] [ <select-err> ] [ <sel-nomem-err>
] [ <shut-err> ] [ <close-err> ] [ <fcntl-err> ] [ <ioclt-err> ] [ <setsoc-err> ] [ <getsoc-err> ] [ <getsocname-err>
] [ <getpeername-err> ] [ <fork-err> ] [ <execve-err> ] [ <dup-err> ] [ <psoc-vrf-err> ] [ <psoc-nosoc-err> ]
[ <psoc-sock-null-err> ] [ <psoc-socre-err> ] [ <pbind-nsock-err> ] [ <pbd-getsocaddr> ] [ <pbind-sobind-err>
] [ <plisten-nsoc-err> ] [ <plis-solis-err> ] [ <pacc-nsoc-err> ] [ <pacc-no-nsoc-err> ] [ <pacc-soc-null-err>
] [ <pacc-copy-err> ] [ <pacc-no-acc-err> ] [ <pacc-woublo-err> ] [ <pacc-connabo-err> ] [
<pacc-cond-wait-err> ] [ <pacc-so-err-err> ] [ <pacc-err-err> ] [ <pcon-no-soc-err> ] [ <pcon-ealready-err>
] [ <pconn-getsock> ] [ <pconn-socon-err> ] [ <pconn-einpro-err> ] [ <pconn-con-wait-err> ] [
<psend-no-soc-err> ] [ <psend-inval-iiov> ] [ <psend-getsoc-err> ] [ <psend-msg-ctrl-err> ] [
<psend-sockarg-err> ] [ <psend-pru-sosend> ] [ <precv-nosock-err> ] [ <precv-inval-iioflen> ] [
<precv-pru-sorecv> ] [ <precv-cp-msg-err> ] [ <precv-cp-msg-nlen> ] [ <precv-cp-data-err> ] [
<pbreceive-rcvmsg-err> ] [ <pshut-no-soc-err> ] [ <psetsoc-val-err> ] [ <psetsoc-inv-val> ] [ <psetsoc-no-soc-err>
] [ <psetsoc-sosetopt> ] [ <pgetsoc-no-socerr> ] [ <pgetsoc-cp-err> ] [ <pgetsoc-val-err> ] [ <pgetsoc-sogt-err>
] [ <pgetsoc-no-soc-err> ] [ <pgetsoc-cp-err> ] [ <pgetsoc-pru-soc-err> ] [ <pgetsoc-cpout-err> ] [
<pgtprne-no-soc-err> ] [ <pgtprne-enot-err> ] [ <pgtprne-cp-err> ] [ <pgtprne-pru-pradd> ] [
<pgtprne-cpout-err> ] [ <pclose-no-soc-err> ] [ <pclose-socnull-err> ] [ <pclose-p-cls2-err> ] [
<pfcntl-no-soc-err> ] [ <pfcntl-soc-null> ] [ <pfcntl-enotsup> ] [ <pfcntl-einval-err> ] [ <pioctl-no-soc-err>
] [ <pioctl-enotsup> ] [ <pioctl-pru-cntl> ] [ <pfork-enomem-err> ] [ <pdup-no-soc-err> ] [ <pudp-soc-null-err>
] [ <ha-nomem-err> ] [ <ha-tlv-err> ] [ <ha-soc-arg-err> ] [ <ha-cli-tlv-err> ] [ <ha-pss-upd-err> ] [
<ha-no-soc-err> ] [ <ha-soc-tlv-err> ] [ <ha-soc-pss-upd> ] [ <ha-inpcb-tlv> ] [ <ha-inpcb-pssky> ] [
<ha-ip-mopt-tlv> ] [ <ha-ip-mopt-pss> ] [ <ha-ip6-mopt-tlv> ] [ <ha-ip6-mopt-pss> ] [ <ha-tcpb-tlv> ] [
<ha-tcpb-pss> ] [ <ft-tcp-wblock> ] [ <ft-send-p-sndmsg> ] [ <ft-ack-rcv-no-soc> ] [ <lxc-tgid-err> ] ] [
TABLE_sp_cl [ <can-requests> <can-unblocks> <can-misses> <sel-drops> <sel-wakes> ] ] ] ]

```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
client	Display sockets client information
pid	(Optional) Display specific client process information
<i>pid</i>	(Optional) Display client process <pid>

tcp	(Optional) Display TCP clients
udp	(Optional) Display UDP clients
raw	(Optional) Display RAW clients
detail	(Optional) Display socket details
kstack-ns-all	(Optional) Show kernel clients for all namespaces
__readonly__	(Optional)
TABLE_total_clients	(Optional) Total no of client sockets
socket-type	(Optional) Sockets type
total-clients	(Optional) total clients
no-total-clients	(Optional) number of total clients
TABLE_cl_sk	(Optional) Display Client sockets
prefix	(Optional) Prefix to the sockets
client-name	(Optional) Display socket client info
pid	(Optional) Display client process <pid>
No-of-clients	(Optional) Number of socket clients
fast-tcp-mts-ctrl-q	(Optional) Fast tcp mts control queue
cancel-requests	(Optional) cancel requests
cancel-unblocks	(Optional) cancel unblocks
cancel-misses	(Optional) cancel misses
select-drops	(Optional) select drops
select-wakes	(Optional) select wakes
TABLE_det	(Optional) Display Socket client Details
fd	(Optional) Client socket fd
client-id	(Optional) Client socket id
mts-sap	(Optional) socket mts addr sap
TABLE_st	(Optional) Sock detail Ctrl statistics
soc-calls	(Optional) sockets calls
bind-calls	(Optional) socket bind calls
listen-calls	(Optional) socket listen calls

<i>accept-calls</i>	(Optional) socket accept calls
<i>acc-dispat-err</i>	(Optional) socket accept dispatch error
<i>connect-calls</i>	(Optional) socket connect calls
<i>connec-dispatch</i>	(Optional) socket dispatch calls
<i>recvmsg-dispatch</i>	(Optional) receive msg dispatch
<i>recv-dis-nblock</i>	(Optional) receive dispatch nonblock
<i>recvmsg-call</i>	(Optional) receive message call
<i>brecv-dispatch</i>	(Optional) broadcast receive dispatch
<i>fsendmsg-calls</i>	(Optional) forward send message dispatch
<i>sendmsg-dispatch</i>	(Optional) send message dispatch
<i>sendmsg-calls</i>	(Optional) send message calls
<i>msendmsg-calls</i>	(Optional) multicast send message calls
<i>select-calls</i>	(Optional) select calls
<i>select-dispatch</i>	(Optional) select dispatch
<i>select-need-work</i>	(Optional) select need work
<i>sh-calls</i>	(Optional) show calls
<i>close-calls</i>	(Optional) close calls
<i>fctl-calls</i>	(Optional) fcntl calls
<i>ioctl-calls</i>	(Optional) ioctl calls
<i>setsock-calls</i>	(Optional) setsock calls
<i>getsock-calls</i>	(Optional) getsock calls
<i>getsockname-calls</i>	(Optional) get socket name calls
<i>getpeer-calls</i>	(Optional) get peer calls
<i>fork-calls</i>	(Optional) fork calls
<i>execve-calls</i>	(Optional) execve calls
<i>dup-calls</i>	(Optional) duplicate calls
<i>can-calls</i>	(Optional) cancel calls
<i>can-miss</i>	(Optional) cancel miss
<i>can-unblk-sele</i>	(Optional) cancel unblock select

<i>soc-ha-calls</i>	(Optional) socket ha calls
<i>pfork-client</i>	(Optional) pfork client
<i>read-fd</i>	(Optional) socket read fd
<i>write-fd</i>	(Optional) socket write fd
<i>read-fd-set</i>	(Optional) socket read fd set
<i>write-fd-set</i>	(Optional) socket write fd set
<i>fast-tcp-send-req</i>	(Optional) socket fast tcp send request
<i>fast-tcp-send-suc</i>	(Optional) socket fast tcp send success
<i>fast-tcp-ack</i>	(Optional) socket fast tcp ack
TABLE_sterr	(Optional) Client Socket Error Statistics
<i>sock-err</i>	(Optional) socket error
<i>sock-nodev-err</i>	(Optional) socket nodev error
<i>bind-err</i>	(Optional) socket bind error
<i>lis-err</i>	(Optional) socket listen error
<i>accept-err</i>	(Optional) socket accept error
<i>connect-err</i>	(Optional) socket connect error
<i>recvmsg-err</i>	(Optional) socket receive message error
<i>brcvmsg-err</i>	(Optional) socket broadcast receive message error
<i>fsendmsg-err</i>	(Optional) socket forward send message error
<i>sendmsg-err</i>	(Optional) socket send message error
<i>msndmsg-err</i>	(Optional) socket multicast send message error
<i>select-err</i>	(Optional) socket select error
<i>sel-nomem-err</i>	(Optional) socket select no member error
<i>shut-err</i>	(Optional) socket shutdown error
<i>close-err</i>	(Optional) socket close error
<i>fcntl-err</i>	(Optional) socket fcntl error
<i>ioctl-err</i>	(Optional) socket ioctl error
<i>setsoc-err</i>	(Optional) set socket error
<i>getsoc-err</i>	(Optional) get socket error

<i>getsocname-err</i>	(Optional) get socket name error
<i>getpeername-err</i>	(Optional) get peer name error
<i>fork-err</i>	(Optional) socket fork error
<i>execve-err</i>	(Optional) socket execve error
<i>dup-err</i>	(Optional) socket duplicate error
<i>psoc-vrf-err</i>	(Optional) psocket vrf error
<i>psoc-nosoc-err</i>	(Optional) psocket nosoc error
<i>psoc-sock-null-err</i>	(Optional) psocket socket null error
<i>psoc-socre-err</i>	(Optional) psocket socre error
<i>pbind-nsock-err</i>	(Optional) pbind nsock error
<i>pbd-getsocaddr</i>	(Optional) pbd getsocaddr
<i>pbind-sobind-err</i>	(Optional) pbind sobind error
<i>plisten-nsoc-err</i>	(Optional) plisten nsoc error
<i>plis-solis-err</i>	(Optional) plisten socket listen error
<i>pacc-nsoc-err</i>	(Optional) paccept new socket error
<i>pacc-no-nsoc-err</i>	(Optional) paccept no new socket error
<i>pacc-sock-null-err</i>	(Optional) paccept socket null error
<i>pacc-copy-err</i>	(Optional) paccept copy error
<i>pacc-no-acc-err</i>	(Optional) paccept no accept error
<i>pacc-woublo-err</i>	(Optional) paccept would block error
<i>pacc-connabo-err</i>	(Optional) paccept connect abort error
<i>pacc-cond-wait-err</i>	(Optional) paccept condition wait error
<i>pacc-so-err-err</i>	(Optional) paccept socket error
<i>pacc-err-err</i>	(Optional) paccept error
<i>pcon-no-soc-err</i>	(Optional) pconnect no socket error
<i>pcon-ealready-err</i>	(Optional) pconnect ready error
<i>pconn-getsock</i>	(Optional) pconnect get socket
<i>pconn-socon-err</i>	(Optional) pconnect socket on error
<i>pconn-einpro-err</i>	(Optional) pconnect einprogress error

<i>pconn-con-wait-err</i>	(Optional) pconnect condition wait error
<i>psend-no-soc-err</i>	(Optional) psend no socket error
<i>psend-inval-iov</i>	(Optional) psend invalidate iov
<i>psend-getsoc-err</i>	(Optional) psend getsocket error
<i>psend-msg-ctrl-err</i>	(Optional) psend message control error
<i>psend-sockarg-err</i>	(Optional) psend socket argument error
<i>psend-pru-sosend</i>	(Optional) psend pru socket send
<i>precv-nosock-err</i>	(Optional) preceive no socket error
<i>precv-inval-iovlen</i>	(Optional) preceive invalidate iovlen
<i>precv-pru-sorecv</i>	(Optional) preceive pru so receive
<i>precv-cp-msg-err</i>	(Optional) preceive copy message error
<i>precv-cp-msg-nlen</i>	(Optional) preceive copy message new length
<i>precv-cp-data-err</i>	(Optional) preceive copy data error
<i>pbrecv-rcvmsg-err</i>	(Optional) preceive receive message error
<i>pshut-no-soc-err</i>	(Optional) pshutdown no socket error
<i>psetsoc-val-err</i>	(Optional) pset socket value error
<i>psetsoc-inv-val</i>	(Optional) pset socket invalidate error
<i>psetsoc-no-soc-err</i>	(Optional) pset socket no socket error
<i>psetsoc-sosetopt</i>	(Optional) pset socket set opt
<i>pgetsoc-no-socerr</i>	(Optional) pget socket no socket error
<i>pgetsoc-cp-err</i>	(Optional) pget socket copy error
<i>pgetsoc-val-err</i>	(Optional) pget socket validate error
<i>pgetsoc-sogt-err</i>	(Optional) pget socket sogt error
<i>pgetsoc-no-soc-err</i>	(Optional) pget socket no socket error
<i>pgetsoc-cp-err</i>	(Optional) pget socket copy error
<i>pgetsoc-pru-soc-err</i>	(Optional) pget socket pru socket error
<i>pgetsoc-cpout-err</i>	(Optional) pget socket copy out error
<i>pgtprne-no-soc-err</i>	(Optional) pget peer name no socket error
<i>pgtprne-enot-err</i>	(Optional) pget peer name enot connect error

<i>pgtprne-cp-err</i>	(Optional) pget peer name copy error
<i>pgtprne-pru-pradd</i>	(Optional) pget peer name pru peer address
<i>pgtprne-cpout-err</i>	(Optional) pget peer name copy out error
<i>pclose-no-soc-err</i>	(Optional) pclose no socket error
<i>pclose-socnull-err</i>	(Optional) pclose socket null error
<i>pclose-p-cls2-err</i>	(Optional) pclose p close2 error
<i>pfcntl-no-soc-err</i>	(Optional) pfcntl no socket error
<i>pfcntl-soc-null</i>	(Optional) pfcntl socket null
<i>pfcntl-enotsup</i>	(Optional) pfcntl enotsupport errors
<i>pfcntl-einval-err</i>	(Optional) pfcntl invalidate error
<i>pioctl-no-soc-err</i>	(Optional) pioctl no socket error
<i>pioctl-enotsup</i>	(Optional) pioctl enotsup
<i>pioctl-pru-cntl</i>	(Optional) pioctl pru cntl
<i>pfork-enomem-err</i>	(Optional) pfork eno-memory error
<i>pdup-no-soc-err</i>	(Optional) pudp no socket error
<i>pdup-soc-null-err</i>	(Optional) pudp socket null error
<i>ha-nomem-err</i>	(Optional) ha no memory error
<i>ha-tlv-err</i>	(Optional) ha tlv error
<i>ha-soc-arg-err</i>	(Optional) ha socket argument error
<i>ha-cli-tlv-err</i>	(Optional) ha cli tlv error
<i>ha-pss-upd-err</i>	(Optional) ha pss udp error
<i>ha-no-soc-err</i>	(Optional) ha no socket error
<i>ha-soc-tlv-err</i>	(Optional) ha socket tlv error
<i>ha-soc-pss-upd</i>	(Optional) ha socket pss udp
<i>ha-inpcb-tlv</i>	(Optional) ha inpcb tlv value
<i>ha-inpcb-pssky</i>	(Optional) ha inpcb pssky value
<i>ha-ip-mopt-tlv</i>	(Optional) ha ip mopt tlv value
<i>ha-ip-mopt-pss</i>	(Optional) ha ip mopt pss value
<i>ha-ip6-mopt-tlv</i>	(Optional) ha ip6 mopt tlv value

<i>ha-ip6-mopt-pss</i>	(Optional) ha ip6 mopt pss value
<i>ha-tcpb-tlv</i>	(Optional) ha socket update tcpb to tlv error
<i>ha-tcpb-pss</i>	(Optional) ha socket update tcpb psskey update error
<i>ft-tcp-wblock</i>	(Optional) fast tcp send would block error
<i>ft-send-p-sndmsg</i>	(Optional) fast tcp send p_sendmsg errors
<i>ft-ack-rcv-no-soc</i>	(Optional) fast ack receive no socket
<i>lxc-tgid-err</i>	(Optional) Containers tgid err
TABLE_sp_cl	(Optional) Sock specific Ctrl statistics
<i>can-requests</i>	(Optional) socket control cancel request
<i>can-unblocks</i>	(Optional) socket cancel unblocks
<i>can-misses</i>	(Optional) socket cancel misses
<i>sel-drops</i>	(Optional) select drops
<i>sel-wakes</i>	(Optional) select wakes

Command Mode

- /exec

show sockets connection

```
show sockets connection [ pid <pid> | tcp | udp | raw ] [ local { <srcIP> | <srcIP6> } ] [ foreign { <dstIP> | <dstIP6> } ] [ detail ] [ keydetails ] [ __readonly__ ] [ { TABLE_sockets <protocol> [ <total-conn-count> ] [ { TABLE_conn <afi> [ <laddr> ] [ <lport> ] [ <faddr> ] [ <fport> ] [ <prot> ] [ <type> ] [ <ttl> ] [ <tos> ] [ <options> ] [ <state> ] [ <rcv-count> ] [ <rcv-hiwat> ] [ <rcv-lowat> ] [ <rcv-flags> ] [ <snd-count> ] [ <snd-hiwat> ] [ <snd-lowat> ] [ <snd-flags> ] [ <iss> ] [ <snd-una> ] [ <snd-nxt> ] [ <snd_wnd> ] [ <irs> ] [ <rcv-nxt> ] [ <rcv-wnd> ] [ <snd-cwnd> ] [ <ooo_pkt_rcv> ] [ <ooo_pkt_drpd> ] [ <ooo_pkt_rqc> ] [ <srtt> ] [ <rtt> ] [ <rttvar> ] [ <krtt> ] [ <rttmin> ] [ <mss> ] [ <dur> ] [ <tcp-state> ] [ <flags> ] [ <md5-ent> ] [ <md5-host> ] [ <md5-err> ] [ <tcp-count> ] [ <udp-count> ] [ <raw-count> ] [ <vrf-name> ] [ <intf> } ] } ] ]
```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
connection	Display connection information
pid	(Optional) Display specific client process connection status
<i>pid</i>	(Optional) Display client process connection status <pid>
tcp	(Optional) Display all TCP connections
udp	(Optional) Display all UDP connections
raw	(Optional) Display all raw connections
local	(Optional) Display all TCP connections with specified local address
<i>srcIP</i>	(Optional) Display all TCP connections with specified local address
foreign	(Optional) Display all TCP connections with specified foreign address
<i>dstIP</i>	(Optional) Display all TCP connections with specified foreign address
detail	(Optional) Display detailed connection information
keydetails	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_sockets	(Optional) sockets table
<i>protocol</i>	(Optional) socket protocol
<i>total-conn-count</i>	(Optional) socket connection table
TABLE_conn	(Optional)
<i>afi</i>	(Optional) socket family

<i>prot</i>	(Optional) socket protocol
<i>tcp-state</i>	(Optional) socket tcp state
<i>rcv-count</i>	(Optional) socket connection receive count
<i>laddr</i>	(Optional) socket connection laddr
<i>lport</i>	(Optional) socket connection lport
<i>faddr</i>	(Optional) socket connection faddr
<i>fport</i>	(Optional) socket connection fport
<i>intf</i>	(Optional) socket connection interface
<i>vrf-name</i>	(Optional) socket vrf name
<i>snd-count</i>	(Optional) socket connection send count
<i>type</i>	(Optional) socket connection type
<i>ttl</i>	(Optional) socket connection ttl
<i>tos</i>	(Optional) socket connection tos
<i>options</i>	(Optional) socket connection option
<i>state</i>	(Optional) socket connection state
<i>iss</i>	(Optional) socket connection iss
<i>snd-una</i>	(Optional) socket connection send unavailable
<i>snd-nxt</i>	(Optional) socket connection send next
<i>snd_wnd</i>	(Optional) socket connection send window
<i>irs</i>	(Optional) socket connection irs
<i>rcv-nxt</i>	(Optional) socket connection receive next
<i>rcv-wnd</i>	(Optional) socket connection receive window
<i>snd-cwnd</i>	(Optional) socket connection close sent window
<i>ooo_pkt_rcv</i>	(Optional) socket connection out-of-order packet received
<i>ooo_pkt_drp</i>	(Optional) socket connection out-of-order packet dropped
<i>ooo_pkt_rqc</i>	(Optional) socket connection out-of-order reassembly queue count
<i>srtt</i>	(Optional) socket connection srtt
<i>rtt</i>	(Optional) socket connection rtt
<i>rttvar</i>	(Optional) socket connection rttvar

<i>krtt</i>	(Optional) socket connection krtt
<i>rttmin</i>	(Optional) socket connection rtt mintues
<i>mss</i>	(Optional) socket connection mss
<i>dur</i>	(Optional) socket connection duration
<i>flags</i>	(Optional) socket connection flags
<i>md5-cnt</i>	(Optional) socket connection md5 count
<i>md5-host</i>	(Optional) socket connection md5 host
<i>md5-err</i>	(Optional) socket connection md5 error
<i>rcv-hiwat</i>	(Optional) socket connection receive hiwat
<i>rcv-lowat</i>	(Optional) socket connection receive lowat
<i>rcv-flags</i>	(Optional) socket connection receive flags
<i>snd-hiwat</i>	(Optional) socket connection send hiwat
<i>snd-lowat</i>	(Optional) socket connection send lowat
<i>snd-flags</i>	(Optional) socket connection send flags
<i>tcp-count</i>	(Optional) socket connection tcp count
<i>udp-count</i>	(Optional) socket connection udp count
<i>raw-count</i>	(Optional) socket connection raw count

Command Mode

- /exec

show sockets local-port-range

```
show sockets local-port-range [ __readonly__ <kstack_local_port_range_start> <kstack_local_port_range_end>
<netstack_local_port_range_start> <netstack_local_port_range_end> <nat_local_port_range_start>
<nat_local_port_range_end> ]
```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
local-port-range	Display local port range
<i>__readonly__</i>	(Optional)
<i>kstack_local_port_range_start</i>	(Optional) Kstack local port range start
<i>kstack_local_port_range_end</i>	(Optional) Kstack local port range end
<i>netstack_local_port_range_start</i>	(Optional) Netstack local port range start
<i>netstack_local_port_range_end</i>	(Optional) Netstack local port range end
<i>nat_local_port_range_start</i>	(Optional) Nat local port range start
<i>nat_local_port_range_end</i>	(Optional) Nat local port range end

Command Mode

- /exec

show sockets ns-port-kiosk

```
show sockets ns-port-kiosk [ __readonly__ [ TABLE_port_kiosk { <client-process-id> <client-name> } [
TABLE_port_state_pro_name { <entry-counter> [ <listening-port> ] [ <fwd-port> ] [ <tcp-state> ] [ <mts-sap>
] [ <protocol-name> } ] ] ] ]
```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
ns-port-kiosk	Display port kiosk for netstack socket clients
<i>__readonly__</i>	(Optional)
<i>TABLE_port_kiosk</i>	(Optional) Sockets ns port kiosk information
<i>client-process-id</i>	(Optional) Client Process ID
<i>client-name</i>	(Optional) Client Name
<i>TABLE_port_state_pro_name</i>	(Optional) Sockets ns port state protocol information
<i>entry-counter</i>	(Optional) Table Entry Counter
<i>listening-port</i>	(Optional) Listening Port
<i>fwd-port</i>	(Optional) FWD Port
<i>tcp-state</i>	(Optional) TCP State
<i>mts-sap</i>	(Optional) MTS SAP
<i>protocol-name</i>	(Optional) Protocol Name

Command Mode

- /exec

show sockets statistics

```

show sockets statistics [ all | tcp | tcp6 | tcpsum | udp | udp6 | udpsum | raw | raw6 | rawsum ] [ __readonly__
[ { TABLE_stat [ <rx-total> ] [ <rx-bad-csum> ] [ <rx-bad-offset> ] [ <rx-too-short> ] [ <rx-bad-md5> ] [
<rx-inseq-pack> ] [ <rx-inseq-bytes> ] [ <rx-dup-pack> ] [ <rx-dup-bytes> ] [ <rx-partdup-pack> ] [
<rx-partdup-bytes> ] [ <rx-oo-pack> ] [ <rx-oo-bytes> ] [ <rx-oo-drop-cnt> ] [ <rx-afterwin-pack> ] [
<rx-afterwin-bytes> ] [ <rx-afterclose-pack> ] [ <rx-winprobe-pack> ] [ <rx-winupdate-pack> ] [
<rx-dupack-pack> ] [ <rx-dupack-unsent-pack> ] [ <rx-ack-pack> ] [ <rx-ack-bytes> ] [ <rx-rcv-memdrop>
] [ <rx-dig-mssing> ] [ <rx-dig-unexpected> ] [ <rx-dig-notused> ] [ <rx-dig-valid> ] [ <rx-dig-invalid> ] [
<rx-get-passwd-fail> ] [ <rx-md5-mbuf-exded> ] [ <rx-uspec-src-recv> ] [ <rx-pkt-too-short> ] [ <rx-sin-finest>
] [ <rx-black-hole-syn> ] [ <rx-black-hole> ] [ <rx-drop-no-inpcb> ] [ <rx-drop-notcpcb> ] [
<rx-drp-sock-closed> ] [ <rx-syn-with-rst> ] [ <rx-syn-drop> ] [ <rx-bandlim> ] [ <rx-forged-pkt> ] [
<rx-drp-mbcast> ] [ <rx-drp-syn-add> ] [ <rx-drp-syn-recvd> ] [ <rx-drp-cc-sent> ] [ <rx-drp-rst-ccsent> ] [
<rx-frecv-enqueue> ] [ <rx-frecv-enqueue-fail> ] [ <rx-ftcp-cant-rcv-more> ] [ <rx-ftcp-data-ack-toapp-fail>
] [ <rx-ftcp-data-ack-toapp> ] [ <tx-total> ] [ <tx-urg> ] [ <tx-ctrl> ] [ <tx-data-pack> ] [ <tx-data-bytes> ] [
<tx-reasm-pack> ] [ <tx-reasm-bytes> ] [ <tx-ackonly-pack> ] [ <tx-winprobe-pack> ] [ <tx-winupdate-bytes>
] [ <tx-encrypt> ] [ <tx-unencrypt> ] [ <tx-md5rst> ] [ <tx-conn-init> ] [ <tx-conn-accepted> ] [ <tx-conn-estd>
] [ <closed> ] [ <dropped> ] [ <emb-dropped> ] [ <tx-rxmt-timeout> ] [ <tx-rxmt-timeout-dropped> ] [
<tx-ka-timeout> ] [ <tx-ka-probe> ] [ <tx-ka-drop> ] [ <gen-seg-timed> ] [ <gen-rtt-updated> ] [ <gen-delack>
] [ <gen-persist-timeout> ] [ <gen-paws-drop> ] [ <gen-predack> ] [ <gen-preddat> ] [ <gen-pcb-cachemiss>
] [ <gen-cache-drtt> ] [ <gen-cache-drttvar> ] [ <gen-cached-ssthresh> ] [ <gen-usedrtt> ] [ <gen-usedrttvar>
] [ <gen-usedssthresh> ] [ <gen-persistdrop> ] [ <gen-badsyn> ] [ <gen-mturesent> ] [ <gen-list-endrop> ] [
<gen-rpm-bind-synsock> ] [ <gen-rpm-bindsynadd> ] [ <gen-rpm-bindlookup> ] [ <gen-rpm-bindsetsock>
] [ <gen-rpm-unbind-getpass> ] [ <gen-rpm-unbinduser1> ] [ <gen-rpm-unbinduser2> ] [
<gen-rpm-unbindrollover> ] [ <gen-rpm-unbind-synfree> ] [ <gen-rpm-unbind-tpfree> ] [ <syn-sc-added> ]
[ <syn-retransmitted> ] [ <syn-dupsyn> ] [ <syn-dropped> ] [ <syn-completed> ] [ <syn-bucket-overflow> ]
[ <syn-cache-overflow> ] [ <syn-sc-reset> ] [ <syn-sc-stale> ] [ <syn-sc-aborted> ] [ <syn-sc-badack> ] [
<syn-sc-unreach> ] [ <syn-sc-zonefail> ] [ <syn-sc-sendcookie> ] [ <syn-sc-recvcookie> ] [ <syn-sc-crosshits>
] [ <syn-sc-supsyncrosshits> ] [ <syn-sc-removecrosshits> ] [ <udp-rx-version> ] [ <udp-rx-total> ] [
<udp-rx-bad-csum> ] [ <udp-rx-no-csum> ] [ <udp-rx-too-short> ] [ <udp-rx-bad-len> ] [ <udp-rx-no-port>
] [ <udp-rx-no-port-bcast> ] [ <udp-rx-no-port-mcast> ] [ <udp-rx-full-socket-drop> ] [ <udp-tx-total> ] [
<raw-rx-version> ] [ <raw-rx-rcvd> ] [ <raw-rx-no-port> ] [ <raw-rx-full-socket-drop> ] [ <raw-tx-sent> ] [
<inpcb-tot-alloc> ] [ <inpcb-tot-bind> ] [ <inpcb-tot-laddr> ] [ <inpcb-tot-connect> ] [ <inpcb-tot-disconnect>
] [ <inpcb-tot-detach> ] [ <inpcb-tot-detach-noinc> ] [ <inpcb-tot-detach-rort> ] [ <inpcb-tot-rtfree> ] [
<inpcb-tot-setsock-addr> ] [ <inpcb-tot-setpeeraddr> ] [ <inpcb-tot-notify> ] [ <inpcb-tot-lookup-npacl-deny>
] [ <inpcb-tot-lookup-npacl-allow> ] [ <inpcb-tot-inshash-ipv4> ] [ <inpcb-tot-inshash-ipv6> ] [
<inpcb-tot-brehash-ipv4> ] [ <inpcb-tot-brehash-ipv6> ] [ <inpcb-tot-bremhash> ] [ <inpcb-err-allocnomem>
] [ <inpcb-err-bindeinavl> ] [ <inpcb-err-eaddrinuse> ] [ <inpcb-err-eagain> ] [ <inpcb-err-eagain2> ] [
<inpcb-err-eaddrnotavail> ] [ <inpcb-err-eafnosupport> ] [ <inpcb-err-enomem> ] [ <inpcb-err-ehostunreach>
] [ <inpcb-err-laddr-enixio> ] [ <inpcb-err-laddr-ehostunreach2> ] [ <inpcb-err-connectladdr> ] [
<inpcb-err-connect-eaddrinuse> ] [ <inpcb-err-connbind> ] [ <inpcb-err-sockaddressnomem> ] [
<inpcb-err-sockadresseconnreset> ] [ <inpcb-err-peeraddr-enomem> ] [ <inpcb-err-econnrest> ] [
<inpcb-err-respond-enobufs> ] [ <inpcb-err-binshash-enobufs> ] [ <in6pcb-tot-setport> ] [ <in6pcb-tot-bind>
] [ <in6pcb-tot-laddr> ] [ <in6pcb-tot-connect> ] [ <in6pcb-tot-disconnect> ] [ <in6pcb-tot-detach> ] [
<in6pcb-tot-sockaddr> ] [ <in6pcb-tot-peeraddr> ] [ <in6pcb-tot-notify> ] [ <in6pcb-tot-lookuplocal> ] [
<in6pcb-tot-hashnpacli-deny> ] [ <in6pcb-err-setporteagain> ] [ <in6pcb-err-setporteagain2> ] [
<in6pcb-err-seteagain3> ] [ <in6pcb-bind-eafnosupport> ] [ <in6pcb-err-bindeaddrinuse> ] [
<in6pcb-err-bindeaddrinuse2> ] [ <in6pcb-err-bindeaddrinuse3> ] [ <in6pcb-err-bindeaddrinuse4> ] [
<in6pcb-err-bindsetport> ] [ <in6pcb-err-bindeagain> ] [ <in6pcb-err-laddr-eafnosupport> ] [
<in6pcb-err-eaddrnotavail> ] [ <in6pcb-err-laddr-enomem> ] [ <in6pcb-err-laddr-ehostreach> ] [

```



```
<in6pcb-err-laddr-ehostunreach2> ] [ <in6pcb-err-laddr-ehostunreach3> ] [ <in6pcb-err-laddr-ehostunreach4>
] [ <in6pcb-err-laddr-enxio> ] [ <in6pcb-err-connladdr> ] [ <in6pcb-err-conneaddrinuse> ] [
<in6pcb-err-connbind> ] [ <in6pcb-err-sockaddr-enomem> ] [ <in6pcb-err-v4maps-enomem> ] [
<in6pcb-err-setsock-noinp> ] [ <in6pcb-err-setpeer-noinp> ] [ <in6pcb-err-sockaddr-noinp> ] [
<in6pcb-err-peeraddr-noinp> ] [ <in6pcb-err-notify-einavl> ] [ <in6pcb-err-ctloutput-nosoopt> ] } } ] ]
```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
statistics	Display sockets statistics
all	(Optional) Display TCP/UDP/RAW v4/v6 protocols statistics
tcp	(Optional) Display TCP v4 protocol statistics
tcp6	(Optional) Display TCP v6 protocol statistics
tcpsum	(Optional) Display sum of TCP v4 and TCP v6 protocols statistics
udp	(Optional) Display UDP v4 protocol statistics
udp6	(Optional) Display UDP v6 protocol statistics
udpsum	(Optional) Display sum of UDP v4 and UDP v6 protocols statistics
raw	(Optional) Display RAW v4 protocol statistics
raw6	(Optional) Display RAW v6 protocol statistics
rawsum	(Optional) Display sum of RAW v4 and RAW v6 protocols statistics
__readonly__	(Optional)
TABLE_stat	(Optional) sockets statistics table
<i>rx-total</i>	(Optional) total packets received
<i>rx-bad-csum</i>	(Optional) packets received with ccksum errs
<i>rx-bad-offset</i>	(Optional) packets received with bad offset
<i>rx-too-short</i>	(Optional) packets received too short
<i>rx-bad-md5</i>	(Optional) Recieved bad digest
<i>rx-inseq-pack</i>	(Optional) packets received in sequence
<i>rx-inseq-bytes</i>	(Optional) bytes received in sequence
<i>rx-dup-pack</i>	(Optional) duplicate-only packets received
<i>rx-dup-bytes</i>	(Optional) duplicate-only bytes received
<i>rx-partdup-pack</i>	(Optional) packets with some duplicate data

<i>rx-partdup-bytes</i>	(Optional) dup. bytes in part-dup. packets
<i>rx-oo-pack</i>	(Optional) out-of-order packets received
<i>rx-oo-bytes</i>	(Optional) out-of-order bytes received
<i>rx-oo-drop-cnt</i>	(Optional) out-of-order drop count
<i>rx-afterwin-pack</i>	(Optional) packets with data after window
<i>rx-afterwin-bytes</i>	(Optional) bytes rcvd after window
<i>rx-afterclose-pack</i>	(Optional) packets rcvd after close
<i>rx-winprobe-pack</i>	(Optional) rcvd window probe packets
<i>rx-winupdate-pack</i>	(Optional) rcvd window update packets
<i>rx-dupack-pack</i>	(Optional) rcvd duplicate acks
<i>rx-dupack-unsent-pack</i>	(Optional) rcvd acks for unsent data
<i>rx-ack-pack</i>	(Optional) rcvd ack packets
<i>rx-ack-bytes</i>	(Optional) bytes acked by rcvd acks
<i>rx-rcv-memdrop</i>	(Optional) packets dropped for lack of memory
<i>rx-dig-mssing</i>	(Optional) digest missing
<i>rx-dig-unexpected</i>	(Optional) digest unexpected
<i>rx-dig-notused</i>	(Optional) digest not used
<i>rx-dig-valid</i>	(Optional) digest valid
<i>rx-dig-invalid</i>	(Optional) digest invalid
<i>rx-get-passwd-fail</i>	(Optional) get pass failed for RST
<i>rx-md5-mbuf-exded</i>	(Optional) md5 passwd exceeds mbuf
<i>rx-uspec-src-recv</i>	(Optional) Dropped Unspecified src pkt recieved
<i>rx-pkt-too-short</i>	(Optional) Dropped Packet too short
<i>rx-sin-finest</i>	(Optional) Dropped packet set with SYN/FIN
<i>rx-black-hole-syn</i>	(Optional) Dropped black hole SYN
<i>rx-black-hole</i>	(Optional) Dropped black hole
<i>rx-drop-no-inpcb</i>	(Optional) Dropped no inpcb
<i>rx-drop-notpcb</i>	(Optional) Dropped no tcpcb
<i>rx-drp-sock-closed</i>	(Optional) Dropped socket closed

<i>rx-syn-with-rst</i>	(Optional) Dropped SYN with reset
<i>rx-syn-drop</i>	(Optional) Dropped SYN
<i>rx-bandlim</i>	(Optional) Dropped Bandlim rst open port
<i>rx-forged-pkt</i>	(Optional) Dropped Same src/dst
<i>rx-drp-mbcast</i>	(Optional) Dropped Broadcast/Multicast
<i>rx-drp-syn-add</i>	(Optional) Dropped Adding SYN failed
<i>rx-drp-syn-recvd</i>	(Optional) ACK recvd not for our SYN
<i>rx-drp-cc-sent</i>	(Optional) Dropped cc sent
<i>rx-drp-rst-ccsent</i>	(Optional) Dropped cc sent with reset
<i>rx-frecv-enqueue</i>	(Optional) Fast recv packets enqueued
<i>rx-frecv-enqueue-fail</i>	(Optional) Fast recv enqueue failed
<i>rx-ftcp-cant-rcv-more</i>	(Optional) Fast TCP can not recv more
<i>rx-ftcp-data-ack-toapp-fail</i>	(Optional) Fast TCP data ACK to app failed
<i>rx-ftcp-data-ack-toapp</i>	(Optional) Fast TCP data ACK to app
<i>tx-total</i>	(Optional) total packets sent
<i>tx-urg</i>	(Optional) packets sent with URG only
<i>tx-ctrl</i>	(Optional) control (SYN FIN RST) packets sent
<i>tx-data-pack</i>	(Optional) data packets sent
<i>tx-data-bytes</i>	(Optional) data bytes sent
<i>tx-reasm-pack</i>	(Optional) data packets retransmitted
<i>tx-reasm-bytes</i>	(Optional) data bytes retransmitted
<i>tx-ackonly-pack</i>	(Optional) ack-only packets sent
<i>tx-winprobe-pack</i>	(Optional) window probes sent
<i>tx-winupdate-bytes</i>	(Optional) window update-only packets sent
<i>tx-encrypt</i>	(Optional) Encrypted packets sent
<i>tx-unencrypt</i>	(Optional) Unencrypted packets sent
<i>tx-md5rst</i>	(Optional) No of encrypted RST packets
<i>tx-conn-init</i>	(Optional) connections initiated
<i>tx-conn-accepted</i>	(Optional) connections accepted

<i>tx-conn-estd</i>	(Optional) connections established
<i>closed</i>	(Optional) conn. closed (includes drops)
<i>dropped</i>	(Optional) connections dropped
<i>emb-dropped</i>	(Optional) embryonic connections dropped
<i>tx-rxmt-timeout</i>	(Optional) total rxmt timeout
<i>tx-rxmt-timeout-dropped</i>	(Optional) connections dropped in rxmt timeout
<i>tx-ka-timeout</i>	(Optional) keepalive timeouts
<i>tx-ka-probe</i>	(Optional) keepalive probes sent
<i>tx-ka-drop</i>	(Optional) connections dropped in keepalive
<i>gen-seg-timed</i>	(Optional) segs where we tried to get rtt
<i>gen-rtt-updated</i>	(Optional) times we succeeded to get rtt
<i>gen-delack</i>	(Optional) delayed acks sent
<i>gen-persist-timeout</i>	(Optional) persist timeouts
<i>gen-paws-drop</i>	(Optional) segments dropped due to PAWS
<i>gen-predack</i>	(Optional) hdr predict ok for acks
<i>gen-preddat</i>	(Optional) hdr predict ok for data pkts
<i>gen-pcb-cachemiss</i>	(Optional) PCB cache miss
<i>gen-cache-drtt</i>	(Optional) times cached RTT in route updated
<i>gen-cache-drttvar</i>	(Optional) times cached rttvar updated
<i>gen-cached-ssthresh</i>	(Optional) times cached ssthresh updated
<i>gen-usedrtt</i>	(Optional) times RTT initialized from route
<i>gen-usedrttvar</i>	(Optional) times RTTVAR initialized from rt
<i>gen-usedssthresh</i>	(Optional) times ssthresh initialized from rt
<i>gen-persistdrop</i>	(Optional) timeout in persist state
<i>gen-badsyn</i>	(Optional) bogus SYN, e.g. premature ACK
<i>gen-mturesent</i>	(Optional) resends due to MTU discovery
<i>gen-list-endrop</i>	(Optional) listen queue overflows
<i>gen-rpm-bind-synsock</i>	(Optional) rpm bind in synsock
<i>gen-rpm-bindsynadd</i>	(Optional) rpm bind in synadd

<i>gen-rpm-bindlookup</i>	(Optional) rpm bind in lookup
<i>gen-rpm-bindsetsock</i>	(Optional) rpm bind in setsock
<i>gen-rpm-unbind-getpass</i>	(Optional) rpm unbind get pass
<i>gen-rpm-unbinduser1</i>	(Optional) rpm unbind by user
<i>gen-rpm-unbinduser2</i>	(Optional) rpm unbind by user1
<i>gen-rpm-unbindrollover</i>	(Optional) rpm unbind during rollover
<i>gen-rpm-unbind-synfree</i>	(Optional) rpm unbind in syn free
<i>gen-rpm-unbind-tpfree</i>	(Optional) rpm unbind in tp free
<i>syn-sc-added</i>	(Optional) entry added to syncache
<i>syn-retransmitted</i>	(Optional) syncache entry was retransmitted
<i>syn-dupsyn</i>	(Optional) duplicate SYN packet
<i>syn-dropped</i>	(Optional) could not reply to packet
<i>syn-completed</i>	(Optional) successful extraction of entry
<i>syn-bucket-overflow</i>	(Optional) syncache per-bucket limit hit
<i>syn-cache-overflow</i>	(Optional) syncache cache limit hit
<i>syn-sc-reset</i>	(Optional) RST removed entry from syncache
<i>syn-sc-stale</i>	(Optional) timed out or listen socket gone
<i>syn-sc-aborted</i>	(Optional) syncache entry aborted
<i>syn-sc-badack</i>	(Optional) removed due to bad ACK
<i>syn-sc-unreach</i>	(Optional) ICMP unreachable received
<i>syn-sc-zonefail</i>	(Optional) zalloc() failed
<i>syn-sc-sendcookie</i>	(Optional) SYN cookie sent
<i>syn-sc-recvcookie</i>	(Optional) SYN cookie received
<i>syn-sc-crosshits</i>	(Optional) crosshits on the SC blocks
<i>syn-sc-supsyncrosshits</i>	(Optional) crosshits dup SYN on SC block
<i>syn-sc-removecrosshits</i>	(Optional) crosshits on SC blocks to remove
<i>udp-rx-version</i>	(Optional) udp sockets version
<i>udp-rx-total</i>	(Optional) total udp packets
<i>udp-rx-bad-csum</i>	(Optional) udp checksum error

<i>udp-rx-no-csum</i>	(Optional) udp no checksum
<i>udp-rx-too-short</i>	(Optional) udp packets drops
<i>udp-rx-bad-len</i>	(Optional) udp bad length
<i>udp-rx-no-port</i>	(Optional) udp no port
<i>udp-rx-no-port-bcast</i>	(Optional) udp no port broadcast
<i>udp-rx-no-port-mcast</i>	(Optional) udp no port multicast
<i>udp-rx-full-socket-drop</i>	(Optional) udp dropped full socket
<i>udp-tx-total</i>	(Optional) udp total packets
<i>raw-rx-version</i>	(Optional) raw sockets version
<i>raw-rx-rcvd</i>	(Optional) raw sockets connection received
<i>raw-rx-no-port</i>	(Optional) raw socket no port
<i>raw-rx-full-socket-drop</i>	(Optional) raw socket full sockets drop
<i>raw-tx-sent</i>	(Optional) raw socket connection sent
<i>inpcb-tot-alloc</i>	(Optional) inpcb allocation
<i>inpcb-tot-bind</i>	(Optional) inpcb bind
<i>inpcb-tot-laddr</i>	(Optional) inpcb laddr
<i>inpcb-tot-connect</i>	(Optional) inpcb connect
<i>inpcb-tot-disconnect</i>	(Optional) inpcb disconnect
<i>inpcb-tot-detach</i>	(Optional) inpcb detach
<i>inpcb-tot-detach-noinc</i>	(Optional) inpcb detaach no increment
<i>inpcb-tot-detach-rort</i>	(Optional) inpcb detach no return
<i>inpcb-tot-rtfree</i>	(Optional) inpcb rt free
<i>inpcb-tot-setsock-addr</i>	(Optional) inpcb set socket address
<i>inpcb-tot-setpeeraddr</i>	(Optional) inpcb set peer address
<i>inpcb-tot-notify</i>	(Optional) inpcb notify
<i>inpcb-tot-lookup-npacl-deny</i>	(Optional) inpcb lookup hash npacl deny
<i>inpcb-tot-lookup-npacl-allow</i>	(Optional) inpcb lookup npacl allow
<i>inpcb-tot-inshash-ipv4</i>	(Optional) inpcb inshash ipv4
<i>inpcb-tot-inshash-ipv6</i>	(Optional) inpcb inshash ipv6

<i>inpcb-tot-brehash-ipv4</i>	(Optional) inpcb brehash ipv4
<i>inpcb-tot-brehash-ipv6</i>	(Optional) inpcb brehash ipv6
<i>inpcb-tot-bremhash</i>	(Optional) inpcb brehash
<i>inpcb-err-allocnomem</i>	(Optional) inpcb allocation no memory error
<i>inpcb-err-bindeinavl</i>	(Optional) inpcb bind inval error
<i>inpcb-err-eaddrinuse</i>	(Optional) inpcb eaddr in use error
<i>inpcb-err-eagain</i>	(Optional) inpcb eagain error
<i>inpcb-err-eagain2</i>	(Optional) inpcb eagain2 error
<i>inpcb-err-eaddrnotavail</i>	(Optional) inpcb eaddr not availableerror
<i>inpcb-err-eafnosupport</i>	(Optional) inpcb eaf no support error
<i>inpcb-err-enomem</i>	(Optional) inpcb no-memory error
<i>inpcb-err-ehostunreach</i>	(Optional) inpcb ehost unreachable error
<i>inpcb-err-laddr-enixio</i>	(Optional) inpcb laddr enxio error
<i>inpcb-err-laddr-ehostunreach2</i>	(Optional) inpcb laddr ehost unreachable2 error
<i>inpcb-err-connectladdr</i>	(Optional) inpcb connect laddr error
<i>inpcb-err-connect-eaddrinuse</i>	(Optional) inpcb connect eaddress in use error
<i>inpcb-err-connbind</i>	(Optional) inpcb connect bind error
<i>inpcb-err-sockaddrenomem</i>	(Optional) inpcb socket address no memory error
<i>inpcb-err-sockadreconnreset</i>	(Optional) inpcb socket address econnect reset error
<i>inpcb-err-peeraddr-enomem</i>	(Optional) inpcb peer address no memory error
<i>inpcb-err-econnrest</i>	(Optional) inpcb connection rest error
<i>inpcb-err-respond-enobufs</i>	(Optional) inpcb respond no buffer error
<i>inpcb-err-binshash-enobufs</i>	(Optional) inpcb binshash no buffer error
<i>in6pcb-tot-setport</i>	(Optional) in6pcb set port error
<i>in6pcb-tot-bind</i>	(Optional) in6pcb bind
<i>in6pcb-tot-laddr</i>	(Optional) in6pcb laddr
<i>in6pcb-tot-connect</i>	(Optional) in6pcb connect
<i>in6pcb-tot-disconnect</i>	(Optional) in6pcb disconnect
<i>in6pcb-tot-detach</i>	(Optional) in6pcb detach

<i>in6pcb-tot-sockaddr</i>	(Optional) in6pcb socket address
<i>in6pcb-tot-peeraddr</i>	(Optional) in6pcb peer address
<i>in6pcb-tot-notify</i>	(Optional) in6pcb notify
<i>in6pcb-tot-lookuplocal</i>	(Optional) in6pcb lookup local
<i>in6pcb-tot-hashnpacl-deny</i>	(Optional) in6pcb hash npacl deny
<i>in6pcb-err-setporteagain</i>	(Optional) in6pcb set port again error
<i>in6pcb-err-setporteagain2</i>	(Optional) in6pcb set port again2 error
<i>in6pcb-err-seteagain3</i>	(Optional) in6pcb set port again3 error
<i>in6pcb-bind-eafnosupport</i>	(Optional) in6pcb bind eaf no support error
<i>in6pcb-err-bindeaddrinuse</i>	(Optional) in6pcb bind address in use error
<i>in6pcb-err-bindeaddrinuse2</i>	(Optional) in6pcb bind address in use2 error
<i>in6pcb-err-bindeaddrinuse3</i>	(Optional) in6pcb bind address in use3 error
<i>in6pcb-err-bindeaddrinuse4</i>	(Optional) in6pcb bind address in use4 error
<i>in6pcb-err-bindsetport</i>	(Optional) in6pcb bind setport error
<i>in6pcb-err-bindeagain</i>	(Optional) in6pcb bind again error
<i>in6pcb-err-laddr-eafnosupport</i>	(Optional) in6pcb laddr eaf no support error
<i>in6pcb-err-eaddrnotavail</i>	(Optional) in6pcb address not available error
<i>in6pcb-err-laddr-enomem</i>	(Optional) in6pcb laddr no memory error
<i>in6pcb-err-laddr-ehostreach</i>	(Optional) in6pcb laddr host reach error
<i>in6pcb-err-laddr-ehostunreach2</i>	(Optional) in6pcb laddr host reach2 error
<i>in6pcb-err-laddr-ehostunreach3</i>	(Optional) in6pcb laddr host reach3 error
<i>in6pcb-err-laddr-ehostunreach4</i>	(Optional) in6pcb laddr host reach4 error
<i>in6pcb-err-laddr-enixio</i>	(Optional) in6pcb laddr enxio error
<i>in6pcb-err-connladdr</i>	(Optional) in6pcb connect laddr error
<i>in6pcb-err-conneaddrinuse</i>	(Optional) in6pcb connect eaddress in use error
<i>in6pcb-err-connbind</i>	(Optional) in6pcb connect bind error
<i>in6pcb-err-sockaddr-enomem</i>	(Optional) in6pcb socket address no memory error
<i>in6pcb-err-v4maps-enomem</i>	(Optional) in6pcb v4maps no memory error
<i>in6pcb-err-setsock-noinp</i>	(Optional) in6pcb set socket noinp error

<i>in6pcb-err-setpeer-noinp</i>	(Optional) in6pcb set peer noinp error
<i>in6pcb-err-sockaddr-noinp</i>	(Optional) in6pcb socket address noinp error
<i>in6pcb-err-peeraddr-noinp</i>	(Optional) in6pcb peer address noinp error
<i>in6pcb-err-notify-einavl</i>	(Optional) in6pcb notify egress available error
<i>in6pcb-err-ctloutput-nosoopt</i>	(Optional) in6pcb control output no socket opt error

Command Mode

- /exec

show sockets tcp keychain binding

```
show sockets tcp keychain binding [ __readonly__ { TABLE_keychain <keychain> <handle> <ref_count> } ]
```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
tcp	TCP information
keychain	Keychain information
binding	Binding information regarding RPM
<i>__readonly__</i>	(Optional)
TABLE_keychain	(Optional) all sockets tcp keychains
<i>keychain</i>	(Optional) xml keychain information
<i>handle</i>	(Optional) xml handle information
<i>ref_count</i>	(Optional) xml refcount information

Command Mode

- /exec

show software authenticity file

```
show software authenticity { file <uri0> | running } [ __readonly__ [ TABLE_filekey <image> <image_type>
<signer_cname> [ <signer_org_unit> ] <signer_org_name> <cert_serial_num> <hash_algo> <signature_algo>
[ <key_version> ] [ <verifier_name> <verifier_version> ] ] ]
```

Syntax Description

show	show information
software	signifies information about current software
authenticity	signifies image signature
file	show verification information of a file
<i>uri0</i>	file to be verified
running	Show running image information
<i>__readonly__</i>	(Optional)
<i>TABLE_filekey</i>	(Optional) file signer information
<i>image</i>	(Optional) Image
<i>image_type</i>	(Optional) Image type
<i>signer_cname</i>	(Optional) Signer Common Name
<i>signer_org_unit</i>	(Optional) Signer Organization Unit
<i>signer_org_name</i>	(Optional) Signer Organization Name
<i>cert_serial_num</i>	(Optional) Certificate Serial Number
<i>hash_algo</i>	(Optional) Hash Algorithm Used
<i>signature_algo</i>	(Optional) Signature Algorithm Used
<i>key_version</i>	(Optional) key version used to sign this file
<i>verifier_name</i>	(Optional) verifier Image
<i>verifier_version</i>	(Optional) Verifier version

Command Mode

- /exec

show software authenticity keys

```
show software authenticity keys [ __readonly__ [ TABLE_sh_keys <key_num> <key_type> <pub_key_algo>
<modulus> <exponent> <key_version> [ <product_name> ] ] ]
```

Syntax Description

show	show information
software	signifies information about current software
authenticity	signifies image signature
keys	show installed verification keys
__readonly__	(Optional)
TABLE_sh_keys	(Optional) table of device keys
<i>key_num</i>	(Optional) Key number
<i>key_type</i>	(Optional) Type of key record
<i>pub_key_algo</i>	(Optional) Public key algorithm
<i>modulus</i>	(Optional) Key Modulus
<i>exponent</i>	(Optional) Key exponent
<i>key_version</i>	(Optional) Key version
<i>product_name</i>	(Optional) Product name

Command Mode

- /exec

show spanning-tree

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] [ __readonly__ TABLE_tree <tree_id>
<tree_tree_type> <tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root>
<tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority>
<root_port_number> <topology_change> <topology_change_detected> <topology_change_count>
<topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age>
<bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer>
<topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning>
<forwarding> <invalid> TABLE_port <if_index> [ <vpc> ] <port_info_tree_id> <state> <role> <port_priority>
<port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root>
<port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority>
<designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in>
<bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p>
<oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [ <oper_networkport> ]
<forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [ <boundary>
] [ <simulate_pvst_cfg> ] [ <simulate_pvst> ] [ <prest> ] ] } | { show spanning-tree [ vlan <vlan-id> |
bridge-domain <bd-id> ] { <verbosity> | active } + [ __readonly__ TABLE_tree <tree_id> <tree_tree_type>
<tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root>
<tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority>
<root_port_number> <topology_change> <topology_change_detected> <topology_change_count>
<topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age>
<bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer>
<topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning>
<forwarding> <invalid> TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority>
<port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root>
<port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority>
<designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in>
<bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p>
<oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [ <oper_networkport> ]
<forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [ <boundary>
] [ <simulate_pvst_cfg> ] [ <simulate_pvst> ] [ <prest> ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
<i>verbosity</i>	verbosity
active	Report on active interfaces only
<u>__readonly__</u>	(Optional) Read Only

TABLE_tree	(Optional)
tree_id	(Optional) Tree Id
tree_tree_type	(Optional) Tree Type
tree_protocol	(Optional) Tree Protocol
port_count	(Optional) Number of Ports in Tree
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
stp_active	(Optional) Spanning Tree State
root_path_cost	(Optional) Root Path Cost
root_port_if_index	(Optional) Root Port
root_port_priority	(Optional) Root Port Priority
root_port_number	(Optional) Root Port Number
topology_change	(Optional) Topology Change flag is set ?
topology_change_detected	(Optional) Topology Change detected flag is set ?
topology_change_count	(Optional) Topology Change Count
topology_change_time_since_last	(Optional) Time since last TC
tc_initiator_if_index	(Optional) Topology Change initiator port
max_age	(Optional) Max Age
hello_time	(Optional) Hello Time
forward_delay	(Optional) Forward delay
bridge_max_age	(Optional) Configured Bridge Max Age
bridge_hello_time	(Optional) Configured Hello Time
bridge_forward_delay	(Optional) Configured Forward Delay
hold_time	(Optional) Configured Hold Time
hello_timer	(Optional) Hello Timer Value
topology_change_timer	(Optional) Topology Change Timer Value
tcn_timer	(Optional) TCN Timer Value

<i>aging_timer</i>	(Optional) Ageing Timer Value
<i>disabled</i>	(Optional) Number of ports Disabled
<i>blocking</i>	(Optional) Number of ports Blocking
<i>listening</i>	(Optional) Number of ports Listening
<i>learning</i>	(Optional) Number of ports Learning
<i>forwarding</i>	(Optional) Number of ports Forwarding
<i>invalid</i>	(Optional) Number of ports Invalid
TABLE_port	(Optional)
<i>if_index</i>	(Optional) Interface
<i>vpc</i>	(Optional) STP Port memembr of MCT/VPC PO
<i>port_info_tree_id</i>	(Optional) Tree Id
<i>state</i>	(Optional) STP Port State
<i>role</i>	(Optional) STP Port Role
<i>port_priority</i>	(Optional) Port priority
<i>port_number</i>	(Optional) Port Number
<i>port_protocol</i>	(Optional) Tree Protocol
<i>port_tree_type</i>	(Optional) Tree Type
<i>path_cost</i>	(Optional) Cost configured on this port
<i>port_designated_root</i>	(Optional) Designated Root Mac
<i>port_designated_root_priority</i>	(Optional) Designated Root Priority
<i>designated_cost</i>	(Optional) Designated cost
<i>designated_bridge</i>	(Optional) Designated bridge mac
<i>designated_bridge_priority</i>	(Optional) Designated bridge priority
<i>designated_port</i>	(Optional) Designated Port Id
<i>tc_acknowledge</i>	(Optional) Is topology change acknowledge flag set ?
<i>forward_transition_count</i>	(Optional) Port transitions to Forwarding
<i>self_looped</i>	(Optional) Is Port self looped ?
<i>inconsistency</i>	(Optional) PVST+ Inconsistency Error Flags
<i>bpdus_in</i>	(Optional) BPDUs received on this stp port

<i>bpdus_out</i>	(Optional) BPDUs send on this stp port
<i>port_fast</i>	(Optional) Port Fast configured on port
<i>link_type</i>	(Optional) Link type configured on this port
<i>port_guard</i>	(Optional) Port Guard mode of port
<i>bpdu_guard</i>	(Optional) Bpdu Guard mode configured
<i>bpdu_filter</i>	(Optional) Bpdu Filter mode configured
<i>oper_portfast</i>	(Optional) Is portfast enabled ?
<i>oper_p2p</i>	(Optional) Is port P2P ?
<i>oper_loopguard</i>	(Optional) Is loopguard enabled ?
<i>oper_bpduguard</i>	(Optional) Is bpduguard enabled ?
<i>oper_bpdufilter</i>	(Optional) Is bpdufilter enabled ?
<i>int_bpdufilter</i>	(Optional) Is internal bpdufilter enabled ?
<i>forward_delay_timer</i>	(Optional) Forward Delay timer
<i>hold_timer</i>	(Optional) Hold Timer
<i>message_age</i>	(Optional) Message age timer
<i>peer</i>	(Optional) STP protocol of the peer
<i>dispute</i>	(Optional) Is port Disputed ?
<i>pvstsim_inc_timer</i>	(Optional) PVST Simulation Inconsistency Hold Timer
<i>boundary</i>	(Optional) Is port boundary ?
<i>prestd</i>	(Optional) Is port Pre STD MST ?
<i>simulate_pvst</i>	(Optional) Is port is pvst simulate mode ?
<i>oper_networkport</i>	(Optional) Is network port enabled ?
<i>simulate_pvst_cfg</i>	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree blockedports

```
{ show spanning-tree [ vlan <vlan-id> ] blockedports [ __readonly__ [ TABLE_tree [ <port_info_tree_id> ]
[ TABLE_port [ <if_index> ] ] ] [ <tree_type> ] [ <num_ports> ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
__readonly__	(Optional)
TABLE_tree	(Optional)
<i>port_info_tree_id</i>	(Optional) Tree name
TABLE_port	(Optional)
<i>if_index</i>	(Optional) Port name
<i>tree_type</i>	(Optional) Tree Type
<i>num_ports</i>	(Optional) Number of Ports
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
blockedports	Show blocked ports

Command Mode

- /exec

show spanning-tree bridge

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] bridge [ priority [ system-id ] ] [ __readonly__
{ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <bridge_mac> <bridge_priority>
<bridge_forward_delay> <bridge_max_age> <bridge_hello_time> } ] } | { show spanning-tree [ vlan <vlan-id>
| bridge-domain <bd-id> ] bridge [ { detail | brief } ] [ __readonly__ { TABLE_tree <tree_id> <tree_tree_type>
<tree_protocol> <bridge_mac> <bridge_priority> <bridge_forward_delay> <bridge_max_age>
<bridge_hello_time> } ] } | { show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] bridge [ { address
| forward-time | hello-time | id | max-age | protocol } ] [ __readonly__ { TABLE_tree <tree_id> <tree_tree_type>
<tree_protocol> <bridge_mac> <bridge_priority> <bridge_forward_delay> <bridge_max_age>
<bridge_hello_time> } ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
bridge	Status and configuration of this bridge
address	(Optional) Mac address of this bridge
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
protocol	(Optional) Spanning tree protocol
brief	(Optional) Brief summary of the status and configuration output
detail	(Optional) Detailed of the status and configuration
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension
__readonly__	(Optional) Read Only
TABLE_tree	(Optional)
<i>tree_id</i>	(Optional) Tree Id

<i>tree_tree_type</i>	(Optional) Tree Type
<i>tree_protocol</i>	(Optional) Tree Protocol
<i>bridge_mac</i>	(Optional) Bridge Mac
<i>bridge_priority</i>	(Optional) Bridge Priority
<i>bridge_forward_delay</i>	(Optional) Configured Forward Delay
<i>bridge_max_age</i>	(Optional) Configured Bridge Max Age
<i>bridge_hello_time</i>	(Optional) Configured Hello Time

Command Mode

- /exec

show spanning-tree inconsistentports

```
{ show spanning-tree [ vlan <vlan-id> ] inconsistentports [ __readonly__ [ TABLE_tree <port_info_tree_id>
<if_index> <inconsistency> ] [ <tree_type> ] [ <num_ports> ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
inconsistentports	Show inconsistent ports
<i>__readonly__</i>	(Optional)
TABLE_tree	(Optional)
<i>port_info_tree_id</i>	(Optional) Tree name
<i>if_index</i>	(Optional) Port name
<i>inconsistency</i>	(Optional) Inconsistency type
<i>tree_type</i>	(Optional) Tree Type
<i>num_ports</i>	(Optional) Number of Ports

Command Mode

- /exec

show spanning-tree interface

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] interface <interface-id> [ __readonly__ {
TABLE_port <if_index> [ <vpc> ] <port_info_tree_id> <state> <role> <port_priority> <port_number>
<port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority>
<designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge>
<forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type>
<port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard>
<oper_bpdufilter> <int_bpdufilter> <oper_networkport> <forward_delay_timer> <hold_timer> <message_age>
<peer> <dispute> <pvstsim_inc_timer> [ <boundary> ] [ <simulate_pvst_cfg> ] [ <simulate_pvst> ] [ <prest>
] ] } | { show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] interface <interface-id> { <verbosity>
| active } + [ __readonly__ { TABLE_port <if_index> [ <vpc> ] <port_info_tree_id> <state> <role>
<port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root>
<port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority>
<designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in>
<bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p>
<oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> <oper_networkport>
<forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [ <boundary>
] [ <simulate_pvst_cfg> ] [ <simulate_pvst> ] [ <prest> ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	
<i>verbosity</i>	verbosity
active	Report on active instances only
<u>__readonly__</u>	(Optional) Read Only
TABLE_port	(Optional)
<i>if_index</i>	(Optional) Interface
<i>vpc</i>	(Optional) STP Port memembr of MCT/VPC PO
<i>port_info_tree_id</i>	(Optional) Tree Id
<i>state</i>	(Optional) STP Port State

<i>role</i>	(Optional) STP Port Role
<i>port_priority</i>	(Optional) Port priority
<i>port_number</i>	(Optional) Port Number
<i>port_protocol</i>	(Optional) Tree Protocol
<i>port_tree_type</i>	(Optional) Tree Type
<i>path_cost</i>	(Optional) Cost configured on this port
<i>port_designated_root</i>	(Optional) Designated Root Mac
<i>port_designated_root_priority</i>	(Optional) Designated Root Priority
<i>designated_cost</i>	(Optional) Designated cost
<i>designated_bridge</i>	(Optional) Designated bridge mac
<i>designated_bridge_priority</i>	(Optional) Designated bridge priority
<i>designated_port</i>	(Optional) Designated Port Id
<i>tc_acknowledge</i>	(Optional) Is topology change acknowledge flag set ?
<i>forward_transition_count</i>	(Optional) Port transitions to Forwarding
<i>self_looped</i>	(Optional) Is Port self looped ?
<i>inconsistency</i>	(Optional) PVST+ Inconsistency Error Flags
<i>bpdu_in</i>	(Optional) BPDUs received on this stp port
<i>bpdu_out</i>	(Optional) BPDUs send on this stp port
<i>port_fast</i>	(Optional) Port Fast configured on port
<i>link_type</i>	(Optional) Link type configured on this port
<i>port_guard</i>	(Optional) Port Guard mode of port
<i>bpdu_guard</i>	(Optional) Bpdu Guard mode configured
<i>bpdu_filter</i>	(Optional) Bpdu Filter mode configured
<i>oper_portfast</i>	(Optional) Is portfast enabled ?
<i>oper_p2p</i>	(Optional) Is port P2P ?
<i>oper_loopguard</i>	(Optional) Is loopguard enabled ?
<i>oper_bpduguard</i>	(Optional) Is bpduguard enabled ?
<i>oper_bpdufilter</i>	(Optional) Is bpdufilter enabled ?
<i>int_bpdufilter</i>	(Optional) Is internal bpdufilter enabled ?

<i>forward_delay_timer</i>	(Optional) Forward Delay timer
<i>hold_timer</i>	(Optional) Hold Timer
<i>message_age</i>	(Optional) Message age timer
<i>peer</i>	(Optional) STP protocol of the peer
<i>dispute</i>	(Optional) Is port Disputed ?
<i>pvstsim_inc_timer</i>	(Optional) PVST Simulation Inconsistency Hold Timer
<i>boundary</i>	(Optional) Is port boundary ?
<i>prestd</i>	(Optional) Is port Pre STD MST ?
<i>simulate_pvst</i>	(Optional) Is port is pvst simulate mode ?
<i>oper_networkport</i>	(Optional) Is network port enabled ?
<i>simulate_pvst_cfg</i>	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree interface

```
{ show spanning-tree [ vlan <vlan-id> ] interface <interface-id> { cost | inconsistency | edge | priority | rootcost
| state } [ __readonly__ [ TABLE_vlan_interface_info <tree_name> [ <cost> ] [ <edge> ] [ <inconsistency>
] [ <priority> ] [ <rootcost> ] [ <state> ] ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	
cost	Port path cost
inconsistency	Port inconsistency state
edge	Edge Port configuration
priority	Port priority
rootcost	Path cost to root
state	Port spanning tree state
__readonly__	(Optional)
TABLE_vlan_interface_info	(Optional)
<i>tree_name</i>	(Optional) Spanning tree name
<i>cost</i>	(Optional) Path cost
<i>edge</i>	(Optional) Portfast enabled or not
<i>inconsistency</i>	(Optional) Port inconsistency
<i>priority</i>	(Optional) Port Priority
<i>rootcost</i>	(Optional) Designated Cost
<i>state</i>	(Optional) Port state

Command Mode

- /exec

show spanning-tree issu-impact

```
show spanning-tree issu-impact [ __readonly__ [ TABLE_topology <tc_detected> <tc_name> <no_of_tc>
<time> <tc_string> ] [ TABLE_BA_ports <port_name> ] [ <criteria1> ] [ <criteria2> ] [
TABLE_non_edge_ports <port> <vlan> <role> <sts> <tree> <instance> ] [ <criteria3> ] ]
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
issu-impact	Show whether STP meets ISSU criteria
<i>__readonly__</i>	(Optional)
<i>TABLE_topology</i>	(Optional)
<i>tc_detected</i>	(Optional)
<i>tc_name</i>	(Optional)
<i>no_of_tc</i>	(Optional)
<i>time</i>	(Optional)
<i>tc_string</i>	(Optional)
<i>TABLE_BA_ports</i>	(Optional)
<i>port_name</i>	(Optional)
<i>TABLE_non_edge_ports</i>	(Optional)
<i>port</i>	(Optional)
<i>vlan</i>	(Optional)
<i>role</i>	(Optional)
<i>sts</i>	(Optional)
<i>tree</i>	(Optional)
<i>instance</i>	(Optional)
<i>criteria1</i>	(Optional)
<i>criteria2</i>	(Optional)
<i>criteria3</i>	(Optional)

Command Mode

- /exec

show spanning-tree mst

```
{ show spanning-tree mst [ <mst-id> ] [ __readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol>
<port_count> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority>
<stp_active> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number>
<topology_change> <topology_change_detected> <topology_change_count>
<topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age>
<bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer>
<topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning>
<forwarding> <invalid> <ist-master-id-mac> <ist-master-prio> <ist-path-cost> <remaining-hops> <max-hops>
<txholdcount> <tree-vlan-map> TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority>
<port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root>
<port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority>
<designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in>
<bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p>
<oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [ <oper_networkport> ]
<forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> <boundary>
[ <simulate_pvst_cfg> ] <simulate_pvst> <prestd> [ <designated_ist_master> ] [
<designated_ist_master_priority> ] [ <designated_ist_cost> ] [ <vlan-map> ] ] } | { show spanning-tree mst
[ <mst-id> ] detail [ __readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <port_count>
<bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_active>
<root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <topology_change>
<topology_change_detected> <topology_change_count> <topology_change_time_since_last>
<tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> <max_age>
<hello_time> <forward_delay> <hold_time> <hello_timer> <topology_change_timer> <tcn_timer>
<aging_timer> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <ist-master-id-mac>
<ist-master-prio> <ist-path-cost> <remaining-hops> <max-hops> <txholdcount> <tree-vlan-map> TABLE_port
<if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol>
<port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost>
<designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge>
<forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type>
<port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard>
<oper_bpdufilter> <int_bpdufilter> [ <oper_networkport> ] <forward_delay_timer> <hold_timer>
<message_age> <peer> <dispute> <pvstsim_inc_timer> <boundary> [ <simulate_pvst_cfg> ] <simulate_pvst>
<prestd> [ <designated_ist_master> ] [ <designated_ist_master_priority> ] [ <designated_ist_cost> ] [
<vlan-map> ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
<i>mst-id</i>	(Optional) MST instance range, example: 0-3,5,7-9
detail	Detailed information
__readonly__	(Optional) Read Only
TABLE_tree	(Optional)

<i>tree_id</i>	(Optional) Tree Id
<i>tree_tree_type</i>	(Optional) Tree Type
<i>tree_protocol</i>	(Optional) Tree Protocol
<i>port_count</i>	(Optional) Number of Ports in Tree
<i>bridge_mac</i>	(Optional) Bridge Mac
<i>bridge_priority</i>	(Optional) Bridge Priority
<i>tree_designated_root</i>	(Optional) Designated Root Mac
<i>tree_designated_root_priority</i>	(Optional) Designated Root Priority
<i>stp_active</i>	(Optional) Spanning Tree State
<i>root_path_cost</i>	(Optional) Root Path Cost
<i>root_port_if_index</i>	(Optional) Root Port
<i>root_port_priority</i>	(Optional) Root Port Priority
<i>root_port_number</i>	(Optional) Root Port Number
<i>topology_change</i>	(Optional) Topology Change flag is set ?
<i>topology_change_detected</i>	(Optional) Topology Change detected flag is set ?
<i>topology_change_count</i>	(Optional) Topology Change Count
<i>topology_change_time_since_last</i>	(Optional) Time since last TC
<i>tc_initiator_if_index</i>	(Optional) Topology Change initiator port
<i>max_age</i>	(Optional) Max Age
<i>hello_time</i>	(Optional) Hello Time
<i>forward_delay</i>	(Optional) Forward delay
<i>bridge_max_age</i>	(Optional) Configured Bridge Max Age
<i>bridge_hello_time</i>	(Optional) Configured Hello Time
<i>bridge_forward_delay</i>	(Optional) Configured Forward Delay
<i>hold_time</i>	(Optional) Configured Hold Time
<i>hello_timer</i>	(Optional) Hello Timer Value
<i>topology_change_timer</i>	(Optional) Topology Change Timer Value
<i>tcn_timer</i>	(Optional) TCN Timer Value
<i>aging_timer</i>	(Optional) Ageing Timer Value

<i>disabled</i>	(Optional) Number of ports Disabled
<i>blocking</i>	(Optional) Number of ports Blocking
<i>listening</i>	(Optional) Number of ports Listening
<i>learning</i>	(Optional) Number of ports Learning
<i>forwarding</i>	(Optional) Number of ports Forwarding
<i>invalid</i>	(Optional) Number of ports Invalid
<i>ist-master-id-mac</i>	(Optional) IST Master ID MAC address
<i>ist-master-prio</i>	(Optional) IST Master ID priority
<i>ist-path-cost</i>	(Optional) IST path cost
<i>remaining-hops</i>	(Optional) Remaining hops
<i>max-hops</i>	(Optional) Max Hops
<i>txholdcount</i>	(Optional) TX Hold count
<i>tree-vlan-map</i>	(Optional) Bitmap of vlans mapped to tree
TABLE_port	(Optional)
<i>if_index</i>	(Optional) Interface
<i>state</i>	(Optional) STP Port State
<i>role</i>	(Optional) STP Port Role
<i>port_priority</i>	(Optional) Port priority
<i>port_number</i>	(Optional) Port Number
<i>port_info_tree_id</i>	(Optional) Tree Id
<i>port_tree_type</i>	(Optional) Tree Type
<i>port_protocol</i>	(Optional) Tree Protocol
<i>path_cost</i>	(Optional) Cost configured on this port
<i>port_designated_root</i>	(Optional) Designated Root Mac
<i>port_designated_root_priority</i>	(Optional) Designated Root Priority
<i>designated_cost</i>	(Optional) Designated cost
<i>designated_bridge</i>	(Optional) Designated bridge mac
<i>designated_bridge_priority</i>	(Optional) Designated bridge priority
<i>designated_port</i>	(Optional) Designated Port Id

<i>tc_acknowledge</i>	(Optional) Is topology change acknowledge flag set ?
<i>forward_transition_count</i>	(Optional) Port transitions to Forwarding
<i>self_looped</i>	(Optional) Is Port self looped ?
<i>inconsistency</i>	(Optional) PVST+ Inconsistency Error Flags
<i>bpdu_in</i>	(Optional) BPDUs received on this stp port
<i>bpdu_out</i>	(Optional) BPDUs send on this stp port
<i>port_fast</i>	(Optional) Port Fast configured on port
<i>link_type</i>	(Optional) Link type configured on this port
<i>port_guard</i>	(Optional) Port Guard mode of port
<i>bpdu_guard</i>	(Optional) Bpdu Guard mode configured
<i>bpdu_filter</i>	(Optional) Bpdu Filter mode configured
<i>oper_portfast</i>	(Optional) Is portfast enabled ?
<i>oper_p2p</i>	(Optional) Is port P2P ?
<i>oper_loopguard</i>	(Optional) Is loopguard enabled ?
<i>oper_bpduguard</i>	(Optional) Is bpduguard enabled ?
<i>oper_bpdufilter</i>	(Optional) Is bpdufilter enabled ?
<i>int_bpdufilter</i>	(Optional) Is internal bpdufilter enabled ?
<i>forward_delay_timer</i>	(Optional) Forward Delay timer
<i>hold_timer</i>	(Optional) Hold Timer
<i>message_age</i>	(Optional) Message age timer
<i>peer</i>	(Optional) STP protocol of the peer
<i>boundary</i>	(Optional) Is port boundary ?
<i>simulate_pvst</i>	(Optional) Is port is pvst simulate mode ?
<i>dispute</i>	(Optional) Is port Disputed ?
<i>pvstsim_inc_timer</i>	(Optional) PVST Simulation Inconsistency Hold Timer
<i>prestd</i>	(Optional) Is port Pre STD MST ?
<i>designated_ist_master</i>	(Optional) Ist master mac
<i>designated_ist_master_priority</i>	(Optional) Ist master priority
<i>designated_ist_cost</i>	(Optional) Ist master path cost

<i>vlan-map</i>	(Optional) Bitmap of vlans mapped to port
<i>oper_networkport</i>	(Optional) Is network port enabled ?
<i>simulate_pvst_cfg</i>	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree mst configuration

```
{ show spanning-tree mst configuration [ __readonly__ <stp-mode> <name> <rev-id> {
TABLE_instance_to_vlan_map <mst_id> <vlan_bit_map> } [ <pvlan-sync> ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration
__readonly__	(Optional) Read Only
<i>stp-mode</i>	(Optional) Spanning Tree operating mode
<i>name</i>	(Optional) Configuration name
<i>rev-id</i>	(Optional) Configuration revision number
TABLE_instance_to_vlan_map	(Optional) Instance to vlan mapping Info
<i>mst_id</i>	(Optional) MST Instance ID
<i>vlan_bit_map</i>	(Optional) VLAN Bitmap
<i>pvlan-sync</i>	(Optional) pvlan synchronization

Command Mode

- /exec

show spanning-tree mst configuration digest

```
{ show spanning-tree mst configuration digest [ __readonly__ <stp-mode> <name> <rev-id> <digest>
<prestd-digest> [ <pvlan-sync> ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration
digest	Display MST configuration digest
<i>__readonly__</i>	(Optional) Read Only
<i>stp-mode</i>	(Optional) Spanning Tree operating mode
<i>name</i>	(Optional) Configuration name
<i>rev-id</i>	(Optional) Configuration revision number
<i>digest</i>	(Optional) MST region configuration digest
<i>prestd-digest</i>	(Optional) MST region configuration pre-std digest
<i>pvlan-sync</i>	(Optional) pvlan synchronization

Command Mode

- /exec

show spanning-tree mst interface

```
{ show spanning-tree mst [ <mst-id> ] interface <interface-id> [ __readonly__ TABLE_port <if_index>
<port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type>
<path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge>
<designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped>
<inconsistency> <bpdu_in> <bpdu_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter>
<oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [
<oper_networkport> ] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> [
<pvstsim_inc_timer> ] <boundary> [ <simulate_pvst_cfg> ] <simulate_pvst> <prestd> [
<designated_ist_master> ] [ <designated_ist_master_priority> ] [ <designated_ist_cost> ] [ <vlan-map> ] ]
} | { show spanning-tree mst [ <mst-id> ] interface <interface-id> detail [ __readonly__ TABLE_port <if_index>
<port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type>
<path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge>
<designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped>
<inconsistency> <bpdu_in> <bpdu_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter>
<oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [
<oper_networkport> ] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> [
<pvstsim_inc_timer> ] <boundary> [ <simulate_pvst_cfg> ] <simulate_pvst> <prestd> [
<designated_ist_master> ] [ <designated_ist_master_priority> ] [ <designated_ist_cost> ] [ <vlan-map> ] ]
}
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
<i>mst-id</i>	(Optional) MST instance range, example: 0-3,5,7-9
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	Specify an interface as a target for the command
detail	Detailed information
__readonly__	(Optional) Read Only
TABLE_port	(Optional)
<i>if_index</i>	(Optional) Interface
<i>port_info_tree_id</i>	(Optional) Tree Id
<i>state</i>	(Optional) STP Port State
<i>role</i>	(Optional) STP Port Role
<i>port_priority</i>	(Optional) Port priority
<i>port_number</i>	(Optional) Port Number

<i>port_tree_type</i>	(Optional) Tree Type
<i>port_protocol</i>	(Optional) Tree Protocol
<i>path_cost</i>	(Optional) Cost configured on this port
<i>port_designated_root</i>	(Optional) Designated Root Mac
<i>port_designated_root_priority</i>	(Optional) Designated Root Priority
<i>designated_cost</i>	(Optional) Designated cost
<i>designated_bridge</i>	(Optional) Designated bridge mac
<i>designated_bridge_priority</i>	(Optional) Designated bridge priority
<i>designated_port</i>	(Optional) Designated Port Id
<i>tc_acknowledge</i>	(Optional) Is topology change acknowledge flag set ?
<i>forward_transition_count</i>	(Optional) Port transitions to Forwarding
<i>self_looped</i>	(Optional) Is Port self looped ?
<i>inconsistency</i>	(Optional) PVST+ Inconsistency Error Flags
<i>bpdu_in</i>	(Optional) BPDUs received on this stp port
<i>bpdu_out</i>	(Optional) BPDUs send on this stp port
<i>port_fast</i>	(Optional) Port Fast configured on port
<i>link_type</i>	(Optional) Link type configured on this port
<i>port_guard</i>	(Optional) Port Guard mode of port
<i>bpdu_guard</i>	(Optional) Bpdu Guard mode configured
<i>bpdu_filter</i>	(Optional) Bpdu Filter mode configured
<i>oper_portfast</i>	(Optional) Is portfast enabled ?
<i>oper_p2p</i>	(Optional) Is port P2P ?
<i>oper_loopguard</i>	(Optional) Is loopguard enabled ?
<i>oper_bpduguard</i>	(Optional) Is bpduguard enabled ?
<i>oper_bpdufilter</i>	(Optional) Is bpdufilter enabled ?
<i>int_bpdufilter</i>	(Optional) Is internal bpdufilter enabled ?
<i>forward_delay_timer</i>	(Optional) Forward Delay timer
<i>hold_timer</i>	(Optional) Hold Timer
<i>message_age</i>	(Optional) Message age timer

<i>peer</i>	(Optional) STP protocol of the peer
<i>boundary</i>	(Optional) Is port boundary ?
<i>simulate_pvst</i>	(Optional) Is port is pvst simulate mode ?
<i>dispute</i>	(Optional) Is port Disputed ?
<i>prestd</i>	(Optional) Is port Pre STD MST ?
<i>designated_ist_master</i>	(Optional) Ist master mac
<i>designated_ist_master_priority</i>	(Optional) Ist master priority
<i>designated_ist_cost</i>	(Optional) Ist master path cost
<i>vlan-map</i>	(Optional) Bitmap of vlans mapped to port
<i>oper_networkport</i>	(Optional) Is network port enabled ?
<i>pvstsim_inc_timer</i>	(Optional) PVST Simulation Inconsistency Hold Timer
<i>simulate_pvst_cfg</i>	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree pathcost method

```
{ show spanning-tree pathcost method [ __readonly__ <stp-pathcost-method> [ <stp-operpathcost-method> ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
pathcost	Show Spanning pathcost options
method	Default pathcost calculation method
<i>__readonly__</i>	(Optional)
<i>stp-pathcost-method</i>	(Optional) STP Pathcost Method
<i>stp-operpathcost-method</i>	(Optional) STP Pathcost Method

Command Mode

- /exec

show spanning-tree root

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] root [ priority [ system-id ] ] [ __readonly__
TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <tree_designated_root>
<tree_designated_root_priority> <root_path_cost> <root_port_if_index> <root_port_priority>
<root_port_number> <max_age> <hello_time> <forward_delay> ] } | { show spanning-tree [ vlan <vlan-id>
| bridge-domain <bd-id> ] root [ { address | cost | forward-time | hello-time | id | max-age | port } ] [
__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <tree_designated_root>
<tree_designated_root_priority> <root_path_cost> <root_port_if_index> <root_port_priority>
<root_port_number> <max_age> <hello_time> <forward_delay> ] } | { show spanning-tree [ vlan <vlan-id>
| bridge-domain <bd-id> ] root [ { detail | brief } ] [ __readonly__ TABLE_tree <tree_id> <tree_tree_type>
<tree_protocol> <tree_designated_root> <tree_designated_root_priority> <root_path_cost>
<root_port_if_index> <root_port_priority> <root_port_number> <max_age> <hello_time> <forward_delay>
] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
root	Status and configuration of the root bridge
address	(Optional) Mac address of this bridge
cost	(Optional) Path cost from this bridge to the root
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
port	(Optional) Root port
brief	(Optional) Brief summary of interface information
detail	(Optional) Detailed information
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension
__readonly__	(Optional) Read Only

TABLE_tree	(Optional)
<i>tree_id</i>	(Optional) Tree Id
<i>tree_tree_type</i>	(Optional) Tree Type
<i>tree_protocol</i>	(Optional) Tree Protocol
<i>tree_designated_root</i>	(Optional) Designated Root Mac
<i>tree_designated_root_priority</i>	(Optional) Designated Root Priority
<i>root_path_cost</i>	(Optional) Root Path Cost
<i>root_port_if_index</i>	(Optional) Root Port
<i>root_port_priority</i>	(Optional) Root Port Priority
<i>root_port_number</i>	(Optional) Root Port Number
<i>max_age</i>	(Optional) Max Age
<i>hello_time</i>	(Optional) Hello Time
<i>forward_delay</i>	(Optional) Forward delay

Command Mode

- /exec

show spanning-tree summary

```
show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] summary [ __readonly__ <stp-mode> [
<stp_tree_root_info> <tree_type> <bridge_mac> <bridge_priority> <tree_designated_root>
<tree_designated_root_priority> ] + [ <stp_root_bmp_info> <stp_root_tree_type> <tree_root_bmp>
<stp_l2gstp_bmp_info> <stp_l2gstp_tree_type> [ <stp_l2gstp_bmp> ] ] <stp_global_info> <pcost_method>
<oper_pcost_method> <port_fast> <bpdu_guard> <bpdu_filter> <oper_loopguard> <bridge_assurance>
<networkport_default> <simulate_pvst> <max-hops> <peer_switch_cfg> <oper_peer_switch>
<stp_l2gstp_domain_id> <stp_lite> [ TABLE_tree <stp_tree_summary> <summary_tree_type> <disabled>
<blocking> <listening> <learning> <forwarding> <invalid> <port_count> ] [ <stp_summary_totals>
<total_tree_type> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <port_count> ] ]
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
summary	Summary of port states
<i>__readonly__</i>	(Optional) Read Only
<i>stp-mode</i>	(Optional) Spanning Tree operating mode
<i>stp_tree_root_info</i>	(Optional) STP Tree Root info marker
<i>tree_type</i>	(Optional) Tree Type
<i>bridge_mac</i>	(Optional) Bridge Mac
<i>bridge_priority</i>	(Optional) Bridge Priority
<i>tree_designated_root</i>	(Optional) Designated Root Mac
<i>tree_designated_root_priority</i>	(Optional) Designated Root Priority
<i>stp_root_bmp_info</i>	(Optional) STP root bitmap info marker
<i>stp_root_tree_type</i>	(Optional) Tree Type
<i>tree_root_bmp</i>	(Optional) STP tree root bmp
<i>stp_l2gstp_bmp_info</i>	(Optional) L2 Gateway STP bitmap marker
<i>stp_l2gstp_tree_type</i>	(Optional) Tree Type

<i>stp_l2gstp_bmp</i>	(Optional) L2 Gateway STP bitmap
<i>stp_global_info</i>	(Optional) STP global info marker
<i>pcost_method</i>	(Optional) STP pathcost method
<i>oper_pcost_method</i>	(Optional) STP oper pathcost method
<i>port_fast</i>	(Optional) Port Fast configured on port
<i>bpdu_guard</i>	(Optional) Bpdu Guard mode configured
<i>bpdu_filter</i>	(Optional) Bpdu Filter mode configured
<i>oper_loopguard</i>	(Optional) Is loopguard enabled ?
<i>bridge_assurance</i>	(Optional) Bridge Assurance
<i>networkport_default</i>	(Optional) Network Port default
<i>simulate_pvst</i>	(Optional) Is port is pvst simulate mode ?
<i>max-hops</i>	(Optional) Max Hops
<i>peer_switch_cfg</i>	(Optional) peer switch configuration status
<i>oper_peer_switch</i>	(Optional) peer switch operational status
<i>stp_l2gstp_domain_id</i>	(Optional) L2 Gateway STP Domain ID
<i>stp_lite</i>	(Optional) STP-Lite
TABLE_tree	(Optional)
<i>stp_tree_summary</i>	(Optional) STP Tree Summary
<i>summary_tree_type</i>	(Optional) Tree Type
<i>disabled</i>	(Optional) Number of ports Disabled
<i>blocking</i>	(Optional) Number of ports Blocking
<i>listening</i>	(Optional) Number of ports Listening
<i>learning</i>	(Optional) Number of ports Learning
<i>forwarding</i>	(Optional) Number of ports Forwarding
<i>invalid</i>	(Optional) Number of ports Invalid
<i>port_count</i>	(Optional) Number of Ports in Tree
<i>stp_summary_totals</i>	(Optional) Total num STP trees
<i>total_tree_type</i>	(Optional) Tree Type
<i>disabled</i>	(Optional) Number of ports Disabled

<i>blocking</i>	(Optional) Number of ports Blocking
<i>listening</i>	(Optional) Number of ports Listening
<i>learning</i>	(Optional) Number of ports Learning
<i>forwarding</i>	(Optional) Number of ports Forwarding
<i>invalid</i>	(Optional) Number of ports Invalid
<i>port_count</i>	(Optional) Number of Ports in Tree

Command Mode

- /exec

show spanning-tree summary totals

```
show spanning-tree summary totals [ __readonly__ <stp-mode> <stp_tree_root_info> <tree_type>
<bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_root_bmp_info>
<stp_root_tree_type> <tree_root_bmp> <stp_l2gstp_bmp_info> <stp_l2gstp_tree_type> <stp_l2gstp_bmp>
<stp_global_info> <pcost_method> <oper_pcost_method> <port_fast> <bpdu_guard> <bpdu_filter>
<oper_loopguard> <bridge_assurance> <networkport_default> <simulate_pvst> <max-hops>
<peer_switch_cfg> <oper_peer_switch> <stp_l2gstp_domain_id> <stp_lite> <stp_summary_totals>
<total_tree_type> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <port_count> ]
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
summary	Summary of port states
totals	Only show totals
<i>__readonly__</i>	(Optional) Read Only
<i>stp-mode</i>	(Optional) Spanning Tree operating mode
<i>stp_tree_root_info</i>	(Optional) STP Tree Root info marker
<i>tree_type</i>	(Optional) Tree Type
<i>bridge_mac</i>	(Optional) Bridge Mac
<i>bridge_priority</i>	(Optional) Bridge Priority
<i>tree_designated_root</i>	(Optional) Designated Root Mac
<i>tree_designated_root_priority</i>	(Optional) Designated Root Priority
<i>stp_root_bmp_info</i>	(Optional) STP root bitmap info marker
<i>stp_root_tree_type</i>	(Optional) Tree Type
<i>tree_root_bmp</i>	(Optional) STP tree root bmp
<i>stp_l2gstp_bmp_info</i>	(Optional) L2 Gateway STP bitmap marker
<i>stp_l2gstp_tree_type</i>	(Optional) Tree Type
<i>stp_l2gstp_bmp</i>	(Optional) L2 Gateway STP bitmap
<i>stp_global_info</i>	(Optional) STP global info marker
<i>pcost_method</i>	(Optional) STP pathcost method
<i>oper_pcost_method</i>	(Optional) STP oper pathcost method
<i>port_fast</i>	(Optional) Port Fast configured on port

<i>bpdguard</i>	(Optional) Bpdu Guard mode configured
<i>bpdfilter</i>	(Optional) Bpdu Filter mode configured
<i>operloopguard</i>	(Optional) Is loopguard enabled ?
<i>bridgeassurance</i>	(Optional) Bridge Assurance
<i>networkportdefault</i>	(Optional) Network Port default
<i>simulatepvst</i>	(Optional) Is port is pvst simulate mode ?
<i>maxhops</i>	(Optional) Max Hops
<i>peerswitchcfg</i>	(Optional) peer switch configuration status
<i>operpeerswitch</i>	(Optional) peer switch operational status
<i>stp_l2gstp_domain_id</i>	(Optional) L2 Gateway STP Domain ID
<i>stp_lite</i>	(Optional) STP-Lite
<i>stp_summary_totals</i>	(Optional) Total num STP trees
<i>total_tree_type</i>	(Optional) Tree Type
<i>disabled</i>	(Optional) Number of ports Disabled
<i>blocking</i>	(Optional) Number of ports Blocking
<i>listening</i>	(Optional) Number of ports Listening
<i>learning</i>	(Optional) Number of ports Learning
<i>forwarding</i>	(Optional) Number of ports Forwarding
<i>invalid</i>	(Optional) Number of ports Invalid
<i>port_count</i>	(Optional) Number of Ports in Tree

Command Mode

- /exec

show sprom

```
show sprom { backplane <i0> | module <module> <i1> | xbar <santa-cruz-range> <i2> | powersupply <i3>
| fan <i4> | sup | stby-sup | all | all2 | backplane2 | module2 <module2> | powersupply2 <i5> | sup2 } [
__readonly__ [ cmn_block { <blk_sig_cb> <blk_ver_cb> <blk_length_cb> <blk_checksum_cb> <eeprom_size>
<blk_count> <fru_major_type> <fru_minor_type> <oem_string> <prd_num> <serial_num> <part_num>
<part_rev> <mfg_dev> <hw_rev> <mfg_bits> <eng_use> <snmp_oid> <power_consump> <rma_code>
<clei_code> <vid> } ] [ sup_specific_block { <blk_sig_ssb> <blk_ver_ssb> <blk_length_ssb>
<blk_checksum_ssb> <feature_bits> <hw_changes_bits> <card_index> <mac_addresses> <no_of_macs>
<no_of_epld> [ TABLE_epld_ssb <epld_name_ssb> <epld_ver_ssb> ] <port_type_num> { TABLE_sensor_ssb
<sensor_num_ssb> <maj_thres_ssb> <min_thres_ssb> } <max_connector_power> <cooling_req> <amb_temp>
} ] [ lc_specific_block { <blk_sig_lc> <blk_ver_lc> <blk_length_lc> <blk_checksum_lc> <feature_bits>
<hw_changes_bits> <card_index> <mac_addresses> <no_of_macs> <no_of_epld> [ TABLE_epld_lc
<epld_name_lc> <epld_ver_lc> ] <port_type_num> { TABLE_sensor_lc <sensor_num_lc> <maj_thres_lc>
<min_thres_lc> } <max_connector_power> <cooling_req> <amb_temp> } ] [ ps_specific_block {
<blk_sig_psb> <blk_ver_psb> <blk_length_psb> <blk_checksum_psb> <feature_bits> <current_110v>
<current_220v> <stackmib_oid> } ] [ fan_specific_block { <blk_sig_fsb> <blk_ver_fsb> <blk_length_fsb>
<blk_checksum_fsb> <feature_bits> <hw_change_bits> <stackmib_oid> <cooling_capacity> <amb_temp>
} ] [ ch_specific_block { <blk_sig_csb> <blk_ver_csb> <blk_length_csb> <blk_checksum_csb> <feature_bits>
<hw_changes_bits> <stackmib_oid> <mac_addresses> <no_of_macs> <oem_enterprise> <oem_mib_offset>
<max_connector_power> } ] [ temp_sensor_block { <blk_sig_tsb> <blk_ver_tsb> <blk_length_tsb>
<blk_checksum_tsb> <no_of_sensors> { TABLE_sensor_tsb <sensor_num_tsb> <maj_thres_tsb>
<min_thres_tsb> } } ] [ wwn_specific_block { <blk_sig_wwnb> <blk_ver_wwnb> <blk_length_wwnb>
<blk_checksum_wwnb> { TABLE_wwn_usage_wsb <wwn_usage_bits> } } ] [ lic_specific_block {
<blk_sig_licb> <blk_ver_licb> <blk_length_licb> <blk_checksum_licb> { TABLE_lic_usage_lsb
<lic_usage_bits> } } ] [ second_serial_block { <blk_sig_sn2b> <blk_ver_sn2b> <blk_length_sn2b>
<blk_checksum_sn2b> <serial_num_sn2b> } ] [ psu_common_block { <format_version> <internal_info_offset>
<chassis_info_offset> <board_info_offset> <product_info_offset> <multirecord_info_offset> <checksum>
} ] [ psu_board_info_block { <format_version> <length> <language_code> <mfg_date> <mfg_type>
<mfg_info> <name_type> <product_name> <snum_type> <snum> <part_type> <partnum> <fruid_type>
<fruid> <bom_hw_pid_info> <partnum_rev> <fab_revision> <vid> <clei_len> <clei> <eof_marker> <csum>
} ] [ psu_product_info_block { <format_version> <length> <language_code> <mfg_type> <mfg_info>
<name_type> <product_name> <part_type> <partnum> <product_ver_type> <sw_certification> <snum_type>
<snum> <asset_type> <asset_string> <fruid_type> <fruid> <partnumrev> <vid> <eof_marker> <csum> } ]
[ psu_record_info_block { <record_type> <record_info> <record_len> <record_csum> <header_csum>
<record_identifier> <format_ver> <standby_pwr_budget> <psu_class> <psu_watts> } ] ]
```

Syntax Description

show	Show running system information
sprom	show SPROM contents
backplane	show backplane clock module sprom contents
<i>i0</i>	please enter instance of backplane sprom
module	show linecard module sprom contents
<i>module</i>	please enter module number
<i>i1</i>	please enter instance of module sprom

xbar	show xbar fabric sprom contents
<i>santa-cruz-range</i>	please enter the xbar number
<i>i2</i>	please enter sprom instance number
powersupply	show powersupply sprom contents
<i>i3</i>	please enter powersupply number
fan	show fan module sprom contents
<i>i4</i>	please enter fan number
sup	show supervisor sprom contents
stby-sup	show standby supervisor sprom contents
all	show all sproms contents
all2	All sprom contents
backplane2	Backplane sprom contents
module2	Linecard sprom contents
<i>module2</i>	Linecard module number
powersupply2	Powersupply sprom contents
<i>i5</i>	Powersupply module number
sup2	Supervisor sprom contents
<i>__readonly__</i>	(Optional)
<i>cmn_block</i>	(Optional)
<i>blk_sig_cb</i>	(Optional)
<i>blk_ver_cb</i>	(Optional)
<i>blk_length_cb</i>	(Optional)
<i>blk_checksum_cb</i>	(Optional)
<i>eprom_size</i>	(Optional)
<i>blk_count</i>	(Optional)
<i>fru_major_type</i>	(Optional)
<i>fru_minor_type</i>	(Optional)
<i>oem_string</i>	(Optional)
<i>prd_num</i>	(Optional)

<i>serial_num</i>	(Optional)
<i>part_num</i>	(Optional)
<i>part_rev</i>	(Optional)
<i>mfg_dev</i>	(Optional)
<i>hw_rev</i>	(Optional)
<i>mfg_bits</i>	(Optional)
<i>eng_use</i>	(Optional)
<i>snmp_oid</i>	(Optional)
<i>power_consump</i>	(Optional)
<i>rma_code</i>	(Optional)
<i>clei_code</i>	(Optional)
<i>vid</i>	(Optional)
<i>ch_specific_block</i>	(Optional)
<i>blk_sig_csb</i>	(Optional)
<i>blk_ver_csb</i>	(Optional)
<i>blk_length_csb</i>	(Optional)
<i>blk_checksum_csb</i>	(Optional)
<i>feature_bits</i>	(Optional)
<i>hw_changes_bits</i>	(Optional)
<i>stackmib_oid</i>	(Optional)
<i>mac_addresses</i>	(Optional)
<i>no_of_macs</i>	(Optional)
<i>oem_enterprise</i>	(Optional)
<i>oem_mib_offset</i>	(Optional)
<i>max_connector_power</i>	(Optional)
<i>sup_specific_block</i>	(Optional)
<i>blk_sig_ssb</i>	(Optional)
<i>blk_ver_ssb</i>	(Optional)
<i>blk_length_ssb</i>	(Optional)

<i>blk_checksum_ssb</i>	(Optional)
<i>feature_bits</i>	(Optional)
<i>hw_changes_bits</i>	(Optional)
<i>card_index</i>	(Optional)
<i>mac_addresses</i>	(Optional)
<i>no_of_mac</i>	(Optional)
<i>no_of_epld</i>	(Optional)
TABLE_epld_ssb	(Optional)
<i>epld_name_ssb</i>	(Optional)
<i>epld_ver_ssb</i>	(Optional)
<i>port_type_num</i>	(Optional)
TABLE_sensor_ssb	(Optional)
<i>sensor_num_ssb</i>	(Optional)
<i>maj_thres_ssb</i>	(Optional)
<i>min_thres_ssb</i>	(Optional)
<i>max_connector_power</i>	(Optional)
<i>cooling_req</i>	(Optional)
<i>amb_temp</i>	(Optional)
lc_specific_block	(Optional)
<i>blk_sig_lc</i>	(Optional)
<i>blk_ver_lc</i>	(Optional)
<i>blk_length_lc</i>	(Optional)
<i>blk_checksum_lc</i>	(Optional)
<i>feature_bits</i>	(Optional)
<i>hw_changes_bits</i>	(Optional)
<i>card_index</i>	(Optional)
<i>mac_addresses</i>	(Optional)
<i>no_of_mac</i>	(Optional)
<i>no_of_epld</i>	(Optional)

TABLE_epld_lc	(Optional)
<i>epld_name_lc</i>	(Optional)
<i>epld_ver_lc</i>	(Optional)
<i>port_type_num</i>	(Optional)
TABLE_sensor_lc	(Optional)
<i>sensor_num_lc</i>	(Optional)
<i>maj_thres_lc</i>	(Optional)
<i>min_thres_lc</i>	(Optional)
<i>max_connector_power</i>	(Optional)
<i>cooling_reqt</i>	(Optional)
<i>amb_temp</i>	(Optional)
ps_specific_block	(Optional)
<i>blk_sig_psb</i>	(Optional)
<i>blk_ver_psb</i>	(Optional)
<i>blk_length_psb</i>	(Optional)
<i>blk_checksum_psb</i>	(Optional)
<i>feature_bits</i>	(Optional)
<i>current_110v</i>	(Optional)
<i>current_220v</i>	(Optional)
<i>stackmib_oid</i>	(Optional)
fan_specific_block	(Optional)
<i>blk_sig_fsb</i>	(Optional)
<i>blk_ver_fsb</i>	(Optional)
<i>blk_length_fsb</i>	(Optional)
<i>blk_checksum_fsb</i>	(Optional)
<i>feature_bits</i>	(Optional)
<i>hw_change_bits</i>	(Optional)
<i>stackmib_oid</i>	(Optional)
<i>cooling_capacity</i>	(Optional)

<i>amb_temp</i>	(Optional)
temp_sensor_block	(Optional)
<i>blk_sig_tsb</i>	(Optional)
<i>blk_ver_tsb</i>	(Optional)
<i>blk_length_tsb</i>	(Optional)
<i>blk_checksum_tsb</i>	(Optional)
<i>no_of_sensors</i>	(Optional)
TABLE_sensor_tsb	(Optional)
<i>sensor_num_tsb</i>	(Optional)
<i>maj_thres_tsb</i>	(Optional)
<i>min_thres_tsb</i>	(Optional)
wwn_specific_block	(Optional)
<i>blk_sig_wwnb</i>	(Optional)
<i>blk_ver_wwnb</i>	(Optional)
<i>blk_length_wwnb</i>	(Optional)
<i>blk_checksum_wwnb</i>	(Optional)
TABLE_wwn_usage_wsb	(Optional)
<i>wwn_usage_bits</i>	(Optional)
lic_specific_block	(Optional)
<i>blk_sig_licb</i>	(Optional)
<i>blk_ver_licb</i>	(Optional)
<i>blk_length_licb</i>	(Optional)
<i>blk_checksum_licb</i>	(Optional)
TABLE_lic_usage_lsb	(Optional)
<i>lic_usage_bits</i>	(Optional)
second_serial_block	(Optional)
<i>blk_sig_sn2b</i>	(Optional)
<i>blk_ver_sn2b</i>	(Optional)
<i>blk_length_sn2b</i>	(Optional)

<i>blk_checksum_sn2b</i>	(Optional)
<i>serial_num_sn2b</i>	(Optional)
<i>psu_common_block</i>	(Optional)
<i>format_version</i>	(Optional)
<i>internal_info_offset</i>	(Optional)
<i>chassis_info_offset</i>	(Optional)
<i>board_info_offset</i>	(Optional)
<i>product_info_offset</i>	(Optional)
<i>multirecord_info_offset</i>	(Optional)
<i>checksum</i>	(Optional)
<i>psu_board_info_block</i>	(Optional)
<i>format_version</i>	(Optional)
<i>length</i>	(Optional)
<i>language_code</i>	(Optional)
<i>mfg_date</i>	(Optional)
<i>mfg_type</i>	(Optional)
<i>mfg_info</i>	(Optional)
<i>name_type</i>	(Optional)
<i>product_name</i>	(Optional)
<i>snum_type</i>	(Optional)
<i>snum</i>	(Optional)
<i>part_type</i>	(Optional)
<i>partnum</i>	(Optional)
<i>fruid_type</i>	(Optional)
<i>fruid</i>	(Optional)
<i>bom_hw_pid_info</i>	(Optional)
<i>partnum_rev</i>	(Optional)
<i>fab_revision</i>	(Optional)
<i>vid</i>	(Optional)

<i>clei_len</i>	(Optional)
<i>clei</i>	(Optional)
<i>eof_marker</i>	(Optional)
<i>csum</i>	(Optional)
<i>psu_product_info_block</i>	(Optional)
<i>format_version</i>	(Optional)
<i>length</i>	(Optional)
<i>language_code</i>	(Optional)
<i>mfg_type</i>	(Optional)
<i>mfg_info</i>	(Optional)
<i>name_type</i>	(Optional)
<i>product_name</i>	(Optional)
<i>part_type</i>	(Optional)
<i>partnum</i>	(Optional)
<i>product_ver_type</i>	(Optional)
<i>sw_certification</i>	(Optional)
<i>snum_type</i>	(Optional)
<i>snum</i>	(Optional)
<i>asset_type</i>	(Optional)
<i>asset_string</i>	(Optional)
<i>fruid_type</i>	(Optional)
<i>fruid</i>	(Optional)
<i>partnumrev</i>	(Optional)
<i>vid</i>	(Optional)
<i>eof_marker</i>	(Optional)
<i>csum</i>	(Optional)
<i>psu_record_info_block</i>	(Optional)
<i>record_type</i>	(Optional)
<i>record_info</i>	(Optional)

<i>record_len</i>	(Optional)
<i>record_csum</i>	(Optional)
<i>header_csum</i>	(Optional)
<i>record_identifier</i>	(Optional)
<i>format_ver</i>	(Optional)
<i>standby_pwr_budget</i>	(Optional)
<i>psu_class</i>	(Optional)
<i>psu_watts</i>	(Optional)

Command Mode

- /exec

show srte pce ipv4 peer

```
show srte pce ipv4 peer [ <pce_address> ] [ __readonly__ [ TABLE_peer <pce_address> <pcc_address>
<precedence> <state> ] ]
```

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
pce	Show PCC related information
ipv4	Show ipv4 pcc information
peer	Show PCE peers
<i>pce_address</i>	(Optional) PCE address of the peer
<i>__readonly__</i>	(Optional)
TABLE_peer	(Optional) Table with a list of peers
<i>pce_address</i>	(Optional) Address of the PCE
<i>pcc_address</i>	(Optional) Address of the PCC
<i>precedence</i>	(Optional) Configured precedence of the PCE
<i>state</i>	(Optional) State of the PCE connection

Command Mode

- /exec

<i>binding_sid</i>	(Optional) Binding sid of the policy
<i>policy_id</i>	(Optional) Policy ID
<i>policy_owner</i>	(Optional) Policy Owners
<i>flags</i>	(Optional) Policy Flags
<i>holddown_time</i>	(Optional) Time when the policy was put in holddown
TABLE_pref	(Optional) Table with a list of candidate path based on pref
<i>pref</i>	(Optional) Preference for candidate paths
<i>active</i>	(Optional) Active paths
TABLE_paths	(Optional) Table with a list of exp path for pref
<i>exp_path_name</i>	(Optional) Name of the explicit-path
<i>deleg_pce_addr</i>	(Optional) Delegated PCE Address
TABLE_index	(Optional) Table with a list of index for the exp path
<i>index</i>	(Optional) Index for the explicit path
<i>label</i>	(Optional) Label for the explicit path
<i>proactive_monitoring_session_id</i>	(Optional) Proactive monitoring session ID
<i>proactive_monitoring_session_state</i>	(Optional) Proactive monitoring session state
all	(Optional) Show all policies including unauthorized ones

Command Mode

- /exec

show srte policy fh

```
show srte policy fh [ __readonly__ [ TABLE_fh [ { <label> | <srv6sid> | <ipv4endpt> } <type> <state> ] [
TABLE_index [ <index> <ip_addr> <mask_len> ] ] ] ]
```

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
fh	Show existing policies firsthop state
__readonly__	(Optional)
TABLE_fh	(Optional) Table with a list of first hops
<i>label</i>	(Optional) First hop label
<i>srv6sid</i>	(Optional) First hop SRv6 SID
<i>ipv4endpt</i>	(Optional) First hop IPv4 ENDPT
<i>type</i>	(Optional) First hop type
<i>state</i>	(Optional) First hop state
TABLE_index	(Optional) Table with index for the first hop
<i>index</i>	(Optional) Index for the first hop
<i>ip_addr</i>	(Optional) Monitored address
<i>mask_len</i>	(Optional) Mask length

Command Mode

- /exec

<i>oam_session_id</i>	(Optional) OAM session id
TABLE_oam_session_details	(Optional) Table with oam session details
<i>oam_state</i>	(Optional) OAM session state
<i>next_hop</i>	(Optional) Next hop IP address to be used for OAM session
<i>outgoing_interface</i>	(Optional) Outgoing interface to be used for OAM session
TABLE_oam_segment_list	(Optional) Table with a list of sids in the proactive monitoring oam session
<i>oam_segment_list</i>	(Optional) List of SIDs used for oam monitored path

Command Mode

- /exec

show srte policy summary

```
show srte policy summary [ __readonly__ <total_policies> <adminup_policies> <admindown_policies>
<operup_policies> <operdown_policies> <total_candipath> <active_candipath> <inactive_candipath>
<total_fh> <label_fh> <ip_fh> <ipv6_fh> <label_fh_up> <label_fh_down> <ip_fh_up> <ip_fh_down>
<ipv6_fh_up> <ipv6_fh_down> ]
```

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
summary	Show policy summary info
<i>__readonly__</i>	(Optional)
<i>total_policies</i>	(Optional) Count of total srte policies
<i>adminup_policies</i>	(Optional) Count of total admin up srte policies
<i>admindown_policies</i>	(Optional) Count of total admin down srte policies
<i>operup_policies</i>	(Optional) Count of total operational up srte policies
<i>operdown_policies</i>	(Optional) Count of total operational dpwn srte policies
<i>total_candipath</i>	(Optional) Count of total srte candidate paths
<i>active_candipath</i>	(Optional) Count of total active srte candidate paths
<i>inactive_candipath</i>	(Optional) Count of total inactive srte candidate paths
<i>total_fh</i>	(Optional) Count of total srte first hops
<i>label_fh</i>	(Optional) Count of total srte label first hops
<i>ip_fh</i>	(Optional) Count of total srte ip first hop
<i>ipv6_fh</i>	(Optional) Count of total srte ipv6 first hop
<i>label_fh_up</i>	(Optional) Count of total up srte label first hops
<i>label_fh_down</i>	(Optional) Count of total down srte label first hops
<i>ip_fh_up</i>	(Optional) Count of total up srte ip first hop
<i>ip_fh_down</i>	(Optional) Count of total down srte ip first hop
<i>ipv6_fh_up</i>	(Optional) Count of total up srte ipv6 first hop
<i>ipv6_fh_down</i>	(Optional) Count of total down srte ipv6 first hop

Command Mode

- /exec

show srv6 clients

```
show srv6 clients [ __readonly__ TABLE_client <name> <id> <state> <createtime> <modifytime> <pid>
<epid> <notifysid> <mtsqh> <mtssap> [ TABLE_msgs_rcvd <Register> <State_Change> <SID_add>
<SID_del> ] [ TABLE_msgs_sent <Locator_add> <Locator_del> <Loc_Down_Pending> <Locator_Down>
<Sid_add_ack> <Sid_del_ack> <Sid_add> <Sid_del> <Encap_add> <Encap_del> ] ]
```

Syntax Description

show	Show running system information
srv6	srv6
clients	Sid Manager Client
<i>__readonly__</i>	(Optional)
TABLE_client	(Optional) all clients
<i>name</i>	(Optional)
<i>id</i>	(Optional)
<i>state</i>	(Optional)
<i>createtime</i>	(Optional)
<i>modifytime</i>	(Optional)
<i>pid</i>	(Optional)
<i>epid</i>	(Optional)
<i>notifysid</i>	(Optional)
<i>mtsqh</i>	(Optional)
<i>mtssap</i>	(Optional)
TABLE_msgs_rcvd	(Optional)
<i>Register</i>	(Optional)
<i>State_Change</i>	(Optional)
<i>SID_add</i>	(Optional)
<i>SID_del</i>	(Optional)
TABLE_msgs_sent	(Optional)
<i>Locator_add</i>	(Optional)
<i>Locator_del</i>	(Optional)

<i>Loc_Down_Pending</i>	(Optional)
<i>Locator_Down</i>	(Optional)
<i>Sid_add_ack</i>	(Optional)
<i>Sid_del_ack</i>	(Optional)
<i>Sid_add</i>	(Optional)
<i>Sid_del</i>	(Optional)
<i>Encap_add</i>	(Optional)
<i>Encap_del</i>	(Optional)

Command Mode

- /exec

show srv6 locator

```
show srv6 locator [ detail ] [ __readonly__ [ TABLE_locator <locname> <locid> <locprefix> <locstate> [
sid-count ] [ loc-created ] [ loc-modified ] [ mod-reason ] ] ]
```

Syntax Description

show	Show running system information
srv6	srv6
locator	Locator DB
detail	(Optional) Locator details
__readonly__	(Optional)
TABLE_locator	(Optional) all locators
<i>locname</i>	(Optional)
<i>locprefix</i>	(Optional)
<i>locid</i>	(Optional)
<i>locstate</i>	(Optional)
<i>sid-count</i>	(Optional)
<i>loc-created</i>	(Optional)
<i>loc-modified</i>	(Optional)
<i>mod-reason</i>	(Optional)

Command Mode

- /exec

show srv6 manager

```
show srv6 manager [ __readonly__ { parameters <enabled> [ src_address <configured> ] } { summary
<nblocator> <nblocup> <nbsid> } { capabilities { { end-functions [ TABLE_endfunct <efunct-name> ] } {
transit-functions [ TABLE_tfunct <tfunct-name> ] } { security [ TABLE_secrule <sec-rule> ] } [ max-sid
<max-sid-count> ] [ sid-holdtime-sec <sid-hold> ] } } ]
```

Syntax Description

show	Show running system information
srv6	srv6
manager	Manager
__readonly__	(Optional)
parameters	(Optional) SRv6 parameters
<i>enabled</i>	(Optional) Operational status of SRv6
src_address	(Optional) Source address
summary	(Optional) SRv6 summary
<i>nblocator</i>	(Optional) Number of locators
<i>nblocup</i>	(Optional) Number of locator in UP state
<i>nbsid</i>	(Optional) Number of SID
capabilities	(Optional) Platform capabilities
end-functions	(Optional) End functions
TABLE_endfunct	(Optional) All end functions
<i>efunct-name</i>	(Optional)
transit-functions	(Optional) Transit functions
TABLE_tfunct	(Optional) All transit function
<i>tfunct-name</i>	(Optional)
security	(Optional) Security
TABLE_secrule	(Optional) All security rules
<i>sec-rule</i>	(Optional)
max-sid	(Optional) Maximum number of sid
<i>max-sid-count</i>	(Optional)

sid-holdtime-sec	(Optional) Time we wait before reusing a function id
<i>sid-hold</i>	(Optional)

Command Mode

- /exec

show srv6 sid counters

```
show srv6 sid <ipv6-addr> counters [ __readonly__ <counter-sid> <counter-sid-type> <counter-rx-packets>
<counter-rx-bytes> <counter-tx-packets> <counter-tx-bytes> ]
```

Syntax Description

show	Show running system information
srv6	srv6
sid	SID DB
counters	Print SID counters
<i>__readonly__</i>	(Optional)
<i>counter-sid</i>	(Optional)
<i>counter-sid-type</i>	(Optional)
<i>counter-rx-packets</i>	(Optional)
<i>counter-rx-bytes</i>	(Optional)
<i>counter-tx-packets</i>	(Optional)
<i>counter-tx-bytes</i>	(Optional)

Command Mode

- /exec

show ssh key

```
show ssh key [ { dsa [ md5 ] | rsa [ md5 ] | ecdsa [ [ md5 ] } ] [ __readonly__ { TABLE_sessions <key_type>
<key_time> <key_data> <key_bitcount> <key_fingerprint> } ]
```

Syntax Description

show	Show running system information
ssh	Show SSH information
key	Show ssh keys
dsa	(Optional) Show dsa ssh keys
rsa	(Optional) Show rsa ssh keys
ecdsa	(Optional) Show ecdsa ssh keys
md5	(Optional) Show Fingerprint in MD5 Format
__readonly__	(Optional)
TABLE_sessions	(Optional) ssh key
<i>key_type</i>	(Optional) keys type
<i>key_time</i>	(Optional) timestamp
<i>key_data</i>	(Optional) ssh key data
<i>key_bitcount</i>	(Optional) bitcount
<i>key_fingerprint</i>	(Optional) fingerprint

Command Mode

- /exec

show ssh server

```
show ssh server [ __readonly__ { operation_status <o_status> } ]
```

Syntax Description

show	Show running system information
ssh	Show SSH information
server	Show whether ssh server is enabled or not
<i>__readonly__</i>	(Optional)
<i>operation_status</i>	(Optional) run-time information about ssh
<i>o_status</i>	(Optional) operational status of ssh server

Command Mode

- /exec

show ssx details

```
show ssx details [ __readonly__ [ TABLE_ssx_details <system-id><arp-timer-running> [ TABLE_slot [
<slot> ] <asic-instance><asic-slice><io-srcid> [ <packets-sent> ] ] ] ]
```

Syntax Description

ssx	Display SSX information
details	Show SSX details
__readonly__	(Optional) Read Only
TABLE_ssx_details	(Optional) SSX details table
TABLE_slot	(Optional) Slot table for EOR
slot	(Optional) Slot number

Command Mode

- /exec

show ssx exporter

```
show ssx exporter { all | <exportername> } [ __readonly__ [ TABLE_ssx_exporters <exporter-name> {
<src-ip><src-udp-port><dest-ip><dest-udp-port><vrf><mtu><dscp> | <dest-intf> } ] ]
```

Syntax Description

ssx	Display SSX information
exporter	Show exporter details
all	All sessions
<i>exportername</i>	SSX Exporter to display
__readonly__	(Optional) Read Only
TABLE_ssx_exporters	(Optional) SSX Exporters table

Command Mode

- /exec

show ssx monitor

```
show ssx monitor { all | <monitorname> } [ __readonly__ [ TABLE_ssx_monitors <monitor-name>
<globally-applied><status><exportername><recordname> ] ]
```

Syntax Description

ssx	Display SSX information
monitor	Show monitor details
all	All sessions
<i>monitorname</i>	SSX Monitor to display
<i>__readonly__</i>	(Optional) Read Only
TABLE_ssx_monitors	(Optional) SSX monitors table

Command Mode

- /exec

show ssx record

```
show ssx record { all | <recordname> } [ __readonly__ [ TABLE_ssx_records <record-name> [ TABLE_stats_type <stats-type> ] <interval> ] ]
```

Syntax Description

<i>ssx</i>	Display SSX information
<i>record</i>	Show record details
<i>all</i>	All sessions
<i>recordname</i>	SSX Record to display
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_ssx_records</i>	(Optional) SSX records table
<i>TABLE_stats_type</i>	(Optional) SSX records stats type table
<i>interval</i>	(Optional) SSX interval

Command Mode

- /exec

show startup-config

show startup-config

Syntax Description

show	Show running system information
startup-config	Current startup configuration

Command Mode

- /exec

show startup-config

show startup-config { log | mdp-log | poap-log } [bootstrap]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mdp-log	Displays execution log of last used Model Driven Programmability(MDP) ASCII startup configuration
log	Displays execution log of last used ASCII startup configuration
poap-log	Displays execution log of last used POAP ASCII startup configuration
bootstrap	(Optional) Bootstrap config replay execution log

Command Mode

- /exec

show startup-config aaa

show startup-config aaa

Syntax Description

show	show startup-cfg
startup-config	show startup system information
aaa	Display aaa configuration

Command Mode

- /exec

show startup-config acllog

show startup-config acllog [all]

Syntax Description

show	Show running system information
startup-config	Displaying the startup configuration
acllog	show startup config for acllog
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config aclmgr

show startup-config aclmgr [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
aclmgr	show startup config for aclmgr
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config adjmgr

show startup-config adjmgr [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
adjmgr	Display adjmgr information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config arp

show startup-config arp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
arp	Display arp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config assoc

show startup-config assoc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
assoc	Original ID to Translated ID Association
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config backup

show startup-config { backup | flexlink } [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
backup	Show startup config for Switchport Backup
flexlink	Show startup config for Switchport Backup
all	(Optional) Show config with defaults

Command Mode

- /exec

show startup-config bfd

show startup-config bfd [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
bfd	show startup config for bfd
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config bgp

show startup-config bgp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
bgp	Display bgp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config bloggerd

show startup-config bloggerd [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
bloggerd	Display bloggerd configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config callhome

show startup-config callhome

Syntax Description

show	show startup-cfg
startup-config	show startup system information
callhome	Display callhome configuration

Command Mode

- /exec

show startup-config cdp

show startup-config cdp [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
cdp	Display cdp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config cert-enroll

show startup-config cert-enroll

Syntax Description

show	show startup-cfg
startup-config	show startup system information
cert-enroll	Display certificates configuration

Command Mode

- /exec

show startup-config cfs

show startup-config cfs [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
cfs	Display cfs configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config config-profile

show startup-config config-profile [<all_conf_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
config-profile	Display port-profile configuration
<i>all_conf_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config copp

show startup-config copp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
copp	Control-Plane Policing
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config dhcp

show startup-config dhcp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
dhcp	Display dhcp snoop configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config diagnostic

show startup-config diagnostic [all]

Syntax Description

show	Show running system information
startup-config	Contents of startup configuration
diagnostic	Diagnostic configuration
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config dot1x

show startup-config dot1x

Syntax Description

show	show startup-cfg
startup-config	show startup system information
dot1x	Display dot1x configuration

Command Mode

- /exec

show startup-config ecp

show startup-config ecp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ecp	ECP (Edge Control Protocol)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config eem

show startup-config eem

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
eem	Show the event manager startup configuration

Command Mode

- /exec

show startup-config eigrp

show startup-config eigrp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eigrp	Display eigrp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config eltm

show startup-config eltm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eltm	Display eltm configurations

Command Mode

- /exec

show startup-config epbr

show startup-config epbr

Syntax Description

show	show startup-cfg
startup-config	show startup system information
epbr	epbr

Command Mode

- /exec

show startup-config evb

show startup-config evb [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
evb	EVB (Edge Virtual Bridge)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config exclude

show startup-config exclude <feature-list> +

Syntax Description

show	Show running system information
startup-config	Current startup configuration
exclude	Exclude startup configuration of specified features
<i>feature-list</i>	Exclude features

Command Mode

- /exec

show startup-config expand-port-profile

show startup-config expand-port-profile

Syntax Description

show	Show running system information
startup-config	System startup-config commands
expand-port-profile	Expand port profile

Command Mode

- /exec

show startup-config fabric forwarding

show startup-config fabric forwarding [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabric multicast

show startup-config fabric multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
multicast	Multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabricpath

show startup-config fabricpath

Syntax Description

show	Show running system information
startup-config	System startup-config commands
fabricpath	fabricpath information

Command Mode

- /exec

show startup-config fabricpath domain default

show startup-config fabricpath domain default [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabricpath	fabricpath information
domain	Enter fabricpath IS-IS domain configuration mode
default	default fabricpath domain
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabricpath switch-id

show startup-config fabricpath switch-id

Syntax Description

startup-config	Current startup configuration
fabricpath	fabricpath information
switch-id	fabricpath switch-id configuration

Command Mode

- /exec

show startup-config fabricpath topology

show startup-config fabricpath topology [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabricpath	fabricpath Module Information
topology	Fabricpath topology Information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fcoe_mgr

show startup-config fcoe_mgr

Syntax Description

show	show startup-cfg
startup-config	show startup system information
fcoe_mgr	Display fcoe_mgr configuration

Command Mode

- /exec

show startup-config fsync_mgr

show startup-config fsync_mgr [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
fsync_mgr	Frequency Synchronization Manager
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config glbp

show startup-config glbp

Syntax Description

show	Show system information
startup-config	System startup configuration
glbp	GLBP startup configuration

Command Mode

- /exec

show startup-config hardware-telemetry

show startup-config hardware-telemetry [all]

Syntax Description

show	Show system information
startup-config	Current startup configuration
hardware-telemetry	show startup config for hardware-telemetry
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config hsrp

show startup-config hsrp

Syntax Description

show	Show system information
startup-config	System startup configuration
hsrp	HSRP startup configuration

Command Mode

- /exec

show startup-config icam

show startup-config icam

Syntax Description

show	show startup-cfg
startup-config	show startup system information
icam	icam services

Command Mode

- /exec

show startup-config icmpv6

show startup-config icmpv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
icmpv6	Display icmpv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config igmp

show startup-config igmp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
igmp	Display igmp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config imp

show startup-config imp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
imp	Display imp information
all	(Optional) Display start config with defaults clis

Command Mode

- /exec

show startup-config interface

show startup-config interface <if0> [membership] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
<i>if0</i>	interface type and number in module/slot format
membership	(Optional) Show membership information
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config interface

show startup-config interface [<if0>] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
<i>if0</i>	(Optional) interface type and number in module/slot format
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config ip

show startup-config ip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ip	Display ip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ipqos

show startup-config ipqos [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config ipv6

show startup-config ipv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ipv6	Display ipv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config isis

show startup-config isis [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
isis	Display isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config l3vm

show startup-config l3vm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
l3vm	Display l3vm information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config ldap

show startup-config ldap

Syntax Description

show	show startup-cfg
startup-config	show startup system information
ldap	Display ldap configuration

Command Mode

- /exec

show startup-config license

show startup-config license [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
license	Display licensing configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config lisp

show startup-config lisp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
lisp	Display lisp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config lldp

show startup-config lldp [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
lldp	Display lldp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config macsec

show startup-config macsec

Syntax Description

show	Show running system information
startup-config	show startup system information
macsec	Show CTS information

Command Mode

- /exec

show startup-config mdns

show startup-config mdns

Syntax Description

show	show startup-cfg
startup-config	show startup system information
mdns	MDNS startup configuration

Command Mode

- /exec

show startup-config mfwd

```
show startup-config { mfwd | mcastfwd } [ all ]
```

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mcastfwd	Display MCASTFWD information
mfwd	Display MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config mfwdv6

show startup-config { mfwdv6 | mcastfwdv6 } [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mcastfwdv6	Display IPV6 MCASTFWD information
mfwdv6	Display IPV6 MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config mld

```
show startup-config mld [ all ]
```

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mld	Display MLD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config mmode

show startup-config mmode [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
mmode	Display maintenance mode startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config monitor

show startup-config monitor

Syntax Description

show	Show running system information
startup-config	Current startup configuration
monitor	Configure Ethernet SPAN sessions

Command Mode

- /exec

show startup-config mpls static

show startup-config mpls static [all]

Syntax Description

show	Show running system information
startup-config	Current operating configuration
mpls	Display MPLS status and configuration
static	Static Label Bindings
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show startup-config mpls strip

show startup-config mpls strip [all]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
startup-config	System startup configuration
all	(Optional) Show startup configuration for STRIPCL with defaults

Command Mode

- /exec

show startup-config msdp

show startup-config msdp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
msdp	Display msdp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config nat

show startup-config nat [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
nat	show startup config for nat
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config nbm

show startup-config nbm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
nbm	Non Blocking Multicast

Command Mode

- /exec

show startup-config ngoam

show startup-config ngoam

Syntax Description

show	Show running system information
startup-config	Show startup system information
ngoam	ngoam configuration

Command Mode

- /exec

show startup-config ntp

show startup-config ntp [all]

Syntax Description

show	Show information
startup-config	Show startup system configuration
ntp	Show NTP information
all	(Optional) Show all NTP startup configuration

Command Mode

- /exec

show startup-config nv overlay

show startup-config nv overlay [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
nv	NVE startup configuration
overlay	NVE startup configuration
all	(Optional) Show NVE config with defaults

Command Mode

- /exec

show startup-config nxsdk

show startup-config nxsdk [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
nxsdk	NXOS SDK
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config ofm

show startup-config ofm [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
ofm	Overlay Flow/Policy Manager startup configuration
all	(Optional) Show config with defaults

Command Mode

- /exec

show startup-config openconfig

show startup-config openconfig [all]

Syntax Description

show	Show startup system information
startup-config	Current startup configuration
openconfig	OpenConfig Model Service App
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config openflow

show startup-config openflow [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
openflow	Show startup config for OpenFlow
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config ospf

show startup-config ospf [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospf	Display ospf information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ospfv3

show startup-config ospfv3 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospfv3	Display ospfv3 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config otv-isis

show startup-config otv-isis [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
otv-isis	Display otv-isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config param-list

show startup-config param-list [<plistname>]

Syntax Description

show	Show startup-cfg
startup-config	show startup configuration
param-list	Display param-list configuration
<i>plistname</i>	(Optional) Enter the name of the param list

Command Mode

- /exec

show startup-config pim

show startup-config pim [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim	Display pim information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config pim6

show startup-config pim6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim6	Display pim6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config poe

show startup-config poe [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
poe	Power over Ethernet
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config port-profile

show startup-config port-profile [<all_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
port-profile	Display port-profile configuration
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config port-security

show startup-config port-security [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
port-security	Display port-security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config ptp

show startup-config ptp [all]

Syntax Description

show	show system information
startup-config	show startup system information
ptp	Show startup configuration for ptp
all	(Optional) Show startup configuration for PTP with defaults

Command Mode

- /exec

show startup-config radius

show startup-config radius

Syntax Description

show	show startup-cfg
startup-config	show startup system information
radius	Display radius configuration

Command Mode

- /exec

show startup-config rip

show startup-config rip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rip	Display rip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config routing ip multicast

```
show startup-config routing { ip | ipv4 } multicast [ all ]
```

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ip	Display IP information
ipv4	Display IP information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config routing ipv6 multicast

show startup-config routing ipv6 multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config rpm

show startup-config rpm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rpm	Display Route Policy Manager (RPM) information
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config scheduler

show startup-config scheduler [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
scheduler	Show scheduler config or data
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config security

show startup-config security

Syntax Description

show	show startup-cfg
startup-config	show startup system information
security	Display security configuration

Command Mode

- /exec

show startup-config segment-routing

show startup-config segment-routing [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
segment-routing	Display segment-routing startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config services

show startup-config services

Syntax Description

show	show startup-cfg
startup-config	show startup system information
services	services

Command Mode

- /exec

show startup-config sflow

```
show startup-config { sflow } [ all ]
```

Syntax Description

show	Show system information
startup-config	Current startup configuration
sflow	show startup config for sflow
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config sla responder

show startup-config sla responder

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
responder	Show information about sla-responder

Command Mode

- /exec

show startup-config sla sender

show startup-config sla sender

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
sender	Show information about sla-sender

Command Mode

- /exec

show startup-config sla twamp-server

show startup-config sla twamp-server

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
twamp-server	Show information about twamp-server

Command Mode

- /exec

show startup-config snmp

show startup-config snmp [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
snmp	Display snmp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config srte

show startup-config srte

Syntax Description

show	Show running system information
startup-config	Current operating configuration
srte	SRTE

Command Mode

- /exec

show startup-config switch

```
show startup-config { switch-profile | include-switch-profile }
```

Syntax Description

show	Show running system information
startup-config	System startup configuration
switch-profile	Show switch-profile information
include-switch-profile	Show startup and switch-profile configuration

Command Mode

- /exec

show startup-config sync

show startup-config sync [all]

Syntax Description

startup-config	Current startup configuration
sync	show startup config for sync
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config tacacs

show startup-config tacacs +

Syntax Description

show	show startup-cfg
startup-config	show startup system information

Command Mode

- /exec

show startup-config telemetry

show startup-config telemetry [all]

Syntax Description

show	show startup system configuration
startup-config	show startup system information
telemetry	Display telemetry configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config track

show startup-config track

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
track	Show the track startup configuration

Command Mode

- /exec

show startup-config tunnel-encryption

show startup-config tunnel-encryption

Syntax Description

show	Show running system information
startup-config	show startup system information
tunnel-encryption	Show information about Tunnel Encryption Manager

Command Mode

- /exec

show startup-config udd

show startup-config udd

Syntax Description

show	Show running system information
startup-config	Current startup configuration
udd	Show udd configuration

Command Mode

- /exec

show startup-config vdc-all

show startup-config vdc-all

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vdc-all	Display config from all VDC

Command Mode

- /exec

show startup-config vdc

show startup-config vdc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
vdc	Show Virtual Device Contexts
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config virtual-service

show startup-config virtual-service

Syntax Description

show	Show running system information
startup-config	System startup-config commands
virtual-service	Show startup config for virtualization services

Command Mode

- /exec

show startup-config vlan

show startup-config vlan <vlan-id>

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show startup-config vlan

show startup-config vlan

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands

Command Mode

- /exec

show startup-config vmtracker

show startup-config vmtracker [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
vmtracker	Show VMTracker configuration
all	(Optional) Show VMTracker config with defaults

Command Mode

- /exec

show startup-config vpc

show startup-config vpc [all]

Syntax Description

startup-config	Current startup configuration
vpc	show startup config for vPC
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config vrf

show startup-config vrf <vrf-cfg-name> [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
<i>vrf-cfg-name</i>	Configurable VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrf default

show startup-config vrf default [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
default	Known VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrrpv3

show startup-config vrrpv3 [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
vrrpv3	VRRPv3 startup configuration
all	(Optional) show startup config of VRRPv3 with defaults

Command Mode

- /exec

show startup-config vshd

show startup-config vshd

Syntax Description

show	Show startup system information
startup-config	Current startup configuration
vshd	Show startup config for vshd

Command Mode

- /exec

show startup-config vtp

show startup-config vtp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vtp	Show startup configuration for VTP
all	(Optional) Show startup configuration for VTP with defaults

Command Mode

- /exec

show startup-config wwnm

show startup-config wwnm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
wwnm	Display WWN Manager startup configuration

Command Mode

- /exec

show startup-config zone

show startup-config zone

Syntax Description

show	Show running system information
startup-config	Current startup configuration
zone	Display zone server startup configuration

Command Mode

- /exec

show startup-config zone vsan

show startup-config zone vsan <vsan-id>

Syntax Description

show	Show running system information
startup-config	Current startup configuration
zone	Display zone server startup configuration per vsan
vsan	Vsan commands
<i>vsan-id</i>	Vsan id

Command Mode

- /exec

show summary

```
show { ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 [ { unicast | multicast } ] ] } summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show switch-profile

show switch-profile [*__readonly__* <profile_name> <cfg_rev>]

Syntax Description

show	Show running system information
switch-profile	Show switch-profiles
<i>__readonly__</i>	(Optional)
<i>profile_name</i>	(Optional)
<i>cfg_rev</i>	(Optional)

Command Mode

- /exec

show switch-profile

```
show switch-profile [ <profile-name> ] { session-history | status commit } [ __readonly__ <prof-name>
TABLE_session <session_index> <start_usec> <start_time> <end_usec> <end_time> <revision_number>
<session_type> <session_subtype> <peer_triggered> [ <profile_status> ] [ <local_status> ] [ <local_error>
] [ <peer_address> ] [ <peer_sync_status> ] [ <merge_flags> ] [ <remote_status> ] [ <remote_error> ] ]
```

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
session-history	Switch-profile session-history
<i>profile-name</i>	(Optional) switch-profile name
status	Switch-profile sync status
commit	Switch-profile last commit status
<i>__readonly__</i>	(Optional)
<i>prof-name</i>	(Optional)
TABLE_session	(Optional)
<i>session_index</i>	(Optional)
<i>start_usec</i>	(Optional)
<i>start_time</i>	(Optional)
<i>end_usec</i>	(Optional)
<i>end_time</i>	(Optional)
<i>revision_number</i>	(Optional)
<i>session_type</i>	(Optional)
<i>session_subtype</i>	(Optional)
<i>peer_triggered</i>	(Optional)
<i>profile_status</i>	(Optional)
<i>local_status</i>	(Optional)
<i>local_error</i>	(Optional)
<i>peer_address</i>	(Optional)
<i>peer_sync_status</i>	(Optional)

<i>merge_flags</i>	(Optional)
<i>remote_status</i>	(Optional)
<i>remote_error</i>	(Optional)

Command Mode

- /exec

show switch-profile buffer

```
show switch-profile [ <profile-name> ] buffer [ __readonly__ <prof-name> [ TABLE_commands <seq_no>
[ <cmd> ] + ] ]
```

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
buffer	buffered commands
<i>profile-name</i>	(Optional) switch-profile name
<i>__readonly__</i>	(Optional)
<i>prof-name</i>	(Optional)
TABLE_commands	(Optional)
<i>seq_no</i>	(Optional)
<i>cmd</i>	(Optional)

Command Mode

- /exec

show switch-profile peer

```
show switch-profile [ <profile-name> ] peer [ <dest-ip> ] [ details ] [ __readonly__ <prof-name> [ <rev> ] [ <peer_address> ] [ <peer_sync_status> ] [ <merge_flags> ] [ <remote_status> ] [ <remote_error> ] [ <cmd> ] + ]
```

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
<i>profile-name</i>	(Optional) switch-profile name
peer	peer info
<i>dest-ip</i>	(Optional) IPv4 address (A.B.C.D) of destination
details	(Optional) information in detail
<i>__readonly__</i>	(Optional)
<i>prof-name</i>	(Optional)
<i>rev</i>	(Optional)
<i>peer_address</i>	(Optional)
<i>peer_sync_status</i>	(Optional)
<i>merge_flags</i>	(Optional)
<i>remote_status</i>	(Optional)
<i>remote_error</i>	(Optional)
<i>cmd</i>	(Optional)

Command Mode

- /exec

show switch-profile status

```
show switch-profile [ <profile-name> ] status [ __readonly__ <prof-name> <start_usec> <start_time>
<end_usec> <end_time> <revision_number> <session_type> [ <session_subtype> ] <peer_triggered>
<profile_status> <local_status> <local_error> [ <peer_address> ] [ <peer_sync_status> ] [ <merge_flags> ]
[ <remote_status> ] [ <remote_error> ] ]
```

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
status	Switch-profile sync status
<i>profile-name</i>	(Optional) switch-profile name
<i>__readonly__</i>	(Optional)
<i>prof-name</i>	(Optional)
<i>start_usec</i>	(Optional)
<i>start_time</i>	(Optional)
<i>end_usec</i>	(Optional)
<i>end_time</i>	(Optional)
<i>revision_number</i>	(Optional)
<i>session_type</i>	(Optional)
<i>session_subtype</i>	(Optional)
<i>peer_triggered</i>	(Optional)
<i>profile_status</i>	(Optional)
<i>local_status</i>	(Optional)
<i>local_error</i>	(Optional)
<i>peer_address</i>	(Optional)
<i>peer_sync_status</i>	(Optional)
<i>merge_flags</i>	(Optional)
<i>remote_status</i>	(Optional)
<i>remote_error</i>	(Optional)

Command Mode

- /exec

show switching-mode

```
show switching-mode [ __readonly__ { <switching-mode> } { TABLE_swtpmoduinfo <moduleno> <opmode> } ]
```

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode
__readonly__	(Optional)
<i>switching-mode</i>	(Optional) switching mode description
TABLE_swtpmoduinfo	(Optional) the xml switching module information
<i>moduleno</i>	(Optional) Module Number
<i>opmode</i>	(Optional) Operation Mode

Command Mode

- /exec

show switching-mode fabric-speed

```
show switching-mode fabric-speed [ __readonly__ TABLE_switching_mode_fabric_speed <fabric-speed-desc> ]
```

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode
fabric-speed	Show the fabric speed
__readonly__	(Optional)
TABLE_switching_mode_fabric_speed	(Optional) the xml switching_mode_fabric_speed configuration
<i>fabric-speed-desc</i>	(Optional) fabric speed description

Command Mode

- /exec

show system acl

```
show system acl [ __readonly__ TABLE_system_acl <protocol> [ TABLE_type <type> <acl_name> <inout> ] ]
```

Syntax Description

show	Show running system information
system	System management commands
acl	ACL parameters
__readonly__	(Optional)
TABLE_system_acl	(Optional)
<i>protocol</i>	(Optional) protocol
TABLE_type	(Optional)
<i>type</i>	(Optional) type
<i>acl_name</i>	(Optional)
<i>inout</i>	(Optional) Traffic direction

Command Mode

- /exec

show system auto-collect tech-support

show system auto-collect tech-support [__readonly__ <result>]

Syntax Description

show	Show running system information
system	System management commands
auto-collect	Auto collection of information
tech-support	Collect tech-support in case of service causing supervisor reset
__readonly__	(Optional)
<i>result</i>	(Optional) show tech collection enable status

Command Mode

- /exec

show system boottime

```
show system boottime [ __readonly__ { TABLE_uptimeinf <slot> <starttime> <daysup> <hoursup>
<minutesup> <secondsup> } ]
```

Syntax Description

<code>show</code>	Show running system information
<code>system</code>	System-related show commands
<code>boottime</code>	Show platform boot time of each module
<code>__readonly__</code>	(Optional)
<code>TABLE_uptimeinf</code>	(Optional) Show uptime info
<code>slot</code>	(Optional) Slot
<code>starttime</code>	(Optional) Start Time
<code>daysup</code>	(Optional) Days Up
<code>hoursup</code>	(Optional) Hours Up
<code>minutesup</code>	(Optional) Minutes Up
<code>secondsup</code>	(Optional) Seconds Up

Command Mode

- /exec

show system config reload-pending

show system config reload-pending [*__readonly__* { *TABLE_reload_pending* <*cmds_list*> }]

Syntax Description

show	Show running system information
system	System-related show commands
config	Config commands which require reload
reload-pending	Commands which require a reload
<i>__readonly__</i>	(Optional)
<i>TABLE_reload_pending</i>	(Optional) reload pending commands list
<i>cmds_list</i>	(Optional) <i>cmds_list</i>

Command Mode

- /exec

show system cores

show system cores [__readonly__ { <content> }]

Syntax Description

show	Show running system information
system	System-related show commands
cores	Displays core transfer option
__readonly__	(Optional)
<i>content</i>	(Optional) Core transfer option

Command Mode

- /exec

show system default switchport

```
show system default switchport [ __readonly__ <sys_def_port_state> <sys_def_trunk_mode>
<sys_def_link_fail_syslog_level> <sys_def_tx_credit_queue_type> ]
```

Syntax Description

show	Show running system information
<i>__readonly__</i>	(Optional) read only
<i>sys_def_port_state</i>	(Optional) System default port state
<i>sys_def_trunk_mode</i>	(Optional) System default trunk mode
<i>sys_def_link_fail_syslog_level</i>	(Optional) System default link failure syslog logging level
<i>sys_def_tx_credit_queue_type</i>	(Optional) System default tx credit queue type
system	System-related show commands
default	Show system default values
switchport	Show default values for switchport attributes

Command Mode

- /exec

show system default zone

show system default zone

Syntax Description

show	Show running system information
system	System-related show commands
default	Show system default values
zone	Show default values for zone

Command Mode

- /exec

show system error-id

show system error-id { list | <i0> } [__readonly__ <errorid> <facility> <desc>]

Syntax Description

show	Show running system information
system	System-related show commands
error-id	Show description about errors
list	Show description about all error IDs
<i>i0</i>	Show description about specific error
<i>__readonly__</i>	(Optional)
<i>errorid</i>	(Optional)
<i>facility</i>	(Optional)
<i>desc</i>	(Optional)

Command Mode

- /exec

show system exception-info

```
show system exception-info [ __readonly__ { TABLE_exception { <second> <panic_data> <register_data>
<stack_pointer> <stack_depth> <stack_timestamp> <stacl_magic> <hdr_length> <stack_data> <pre_usec>
<pre_sec> <int_t> <reason> <service> <version> } } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
exception-info	Show last exception log information
<i>__readonly__</i>	(Optional)
TABLE_exception	(Optional)
<i>second</i>	(Optional) Time of exception
<i>panic_data</i>	(Optional) Panic information dump
<i>register_data</i>	(Optional) CPU register dump
<i>stack_pointer</i>	(Optional) Current Stack-pointer
<i>stack_depth</i>	(Optional) Current Stack-depth
<i>stack_timestamp</i>	(Optional) Stack dump timestamp
<i>stacl_magic</i>	(Optional) Stack Magic
<i>hdr_length</i>	(Optional) Hdr length
<i>stack_data</i>	(Optional) Stack Dump
<i>pre_usec</i>	(Optional)
<i>pre_sec</i>	(Optional)
<i>int_t</i>	(Optional)
<i>reason</i>	(Optional) Reason
<i>service</i>	(Optional) Service
<i>version</i>	(Optional) Version

Command Mode

- /exec

show system fabric-mode

show system fabric-mode [*__readonly__* *TABLE_system_fabric_mode* <system-fabric-mode-desc>]

Syntax Description

show	Show running system information
system	Show system information
fabric-mode	Show the fabric operation mode information
<i>__readonly__</i>	(Optional)
<i>TABLE_system_fabric_mode</i>	(Optional) the xml <i>system_fabric_mode</i> configuration
<i>system-fabric-mode-desc</i>	(Optional) system fabric mode description

Command Mode

- /exec

show system fast-reload stabilization-timer

```
show system fast-reload stabilization-timer [ __readonly__ { <timer_val> } ]
```

Syntax Description

show	Show running system information
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
__readonly__	(Optional) Read Only
<i>timer_val</i>	(Optional) XML attribute for timer value

Command Mode

- /exec

show system image-verification

```
show system image-verification [ __readonly__ { [ TABLE_system_image_verification <Str1> ] } ]
```

Syntax Description

show	Show running system information
system	Show system information
image-verification	image signature verification status
__readonly__	(Optional)
TABLE_system_image_verification	(Optional) table for image verification
<i>Str1</i>	(Optional) status of image verification

Command Mode

- /exec

show system inband cpu-mac log threshold

```
show system inband cpu-mac log threshold [ __readonly__ { <rx_threshold> } { <tx_threshold> } { <throttle> } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
inband	Show Inband related information
cpu-mac	Show CPU-MACs related information
log	Show log information
threshold	Show inband threshold
<i>__readonly__</i>	(Optional)
<i>rx_threshold</i>	(Optional) Registered RX PPS Threshold
<i>tx_threshold</i>	(Optional) Registered TX PPS Threshold
<i>throttle</i>	(Optional) Registered Throttle in seconds

Command Mode

- /exec

show system inband queuing statistics

```
show system inband queuing statistics [ __readonly__ { TABLE_sys_inband_queue_stats <inbandpktunmap>
<inbandpktbpdqueue> <inbandpktmapq0> <inbandpktmapq1> <klmpktmapbpdu> <klmpktmaparp>
<klmpktmapq0> <klmpktmapq1> <klmpktmapveobc> <queuname> [ TABLE_bpdu_stats { <pmrcvpkts>
<pmdropkts> <pmcongested> <rcvbuf> <sndbuf> <pmnodrop> } ] [ TABLE_q_stats { <indexstat>
<ipmrcvpkts> <ipmdropkts> <ipmcongested> <ircvbuf> <isndbuf> <ipmnodrop> } } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
statistics	Inband statistics
<i>__readonly__</i>	(Optional)
TABLE_sys_inband_queue_stats	(Optional) System Inband Statistics
<i>inbandpktunmap</i>	(Optional) Inband packets unmapped
<i>inbandpktbpdqueue</i>	(Optional) Inband packets mapped to bpdu
<i>inbandpktmapq0</i>	(Optional) Inband packets mapped to q0
<i>inbandpktmapq1</i>	(Optional) Inband packets mapped to q1
<i>klmpktmapbpdu</i>	(Optional) In KLM packets mapped to bpdu
<i>klmpktmaparp</i>	(Optional) In KLM packets mapped to arp
<i>klmpktmapq0</i>	(Optional) In KLM packets mapped to q0
<i>klmpktmapq1</i>	(Optional) In KLM packets mapped to q1
<i>klmpktmapveobc</i>	(Optional) In KLM packets mapped to veobc
<i>queuname</i>	(Optional) Inband queue name
TABLE_bpdu_stats	(Optional) BPDU Statistics
<i>pmrcvpkts</i>	(Optional) BPDU Receive Packets
<i>pmdropkts</i>	(Optional) BPDU Drop Packets
<i>pmcongested</i>	(Optional) BPDU Congested
<i>rcvbuf</i>	(Optional) BPDU Receive Buffer
<i>sndbuf</i>	(Optional) BPDU Send Buffer

<i>pmnoday</i>	(Optional) BPDU No drop
TABLE_q_stats	(Optional) Queue Statistics
<i>indexstat</i>	(Optional) Queue Index
<i>ipmrecvpkts</i>	(Optional) Queue receive packets
<i>ipmdroppkts</i>	(Optional) Queue drop packets
<i>ipmcongested</i>	(Optional) Queue Congested
<i>ircvbuf</i>	(Optional) Queue receive buffer
<i>isndbuf</i>	(Optional) Queue send buffer
<i>ipmnoydrop</i>	(Optional) Queue no drop

Command Mode

- /exec

show system inband queuing status

```
show system inband queuing status [ __readonly__ [ { TABLE_sys_inband_queue_status <pminbandalgo>
<pminbandweigh0> <pminbandweigh1> <pminbandweigh2> } ] ]
```

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
status	Selective Packet Discard Information
<i>__readonly__</i>	(Optional)
<i>TABLE_sys_inband_queue_status</i>	(Optional) System Inband Status
<i>pminbandalgo</i>	(Optional) Queuing Algorithm
<i>pminbandweigh0</i>	(Optional) BPDU Weight
<i>pminbandweigh1</i>	(Optional) Q0 Weight
<i>pminbandweigh2</i>	(Optional) Q1 Weight

Command Mode

- /exec

show system login

```
show system login [ __readonly__ [ [ <acc_list> ] [ <attempts> ] ] [ <within> <block_for> <time> ] [
<fail_count> ] [ <switch_mode> ] ]
```

Syntax Description

show	Show running system information
system	System-related show commands
login	Display Secure Login Configurations and State
<i>__readonly__</i>	(Optional)
<i>acc_list</i>	(Optional) Appiled ACL's
<i>attempts</i>	(Optional) Number of login failures
<i>within</i>	(Optional) Number of login failures within time
<i>block_for</i>	(Optional) Login disabled for time
<i>time</i>	(Optional) Time remaining to re-enble login
<i>fail_count</i>	(Optional) Login failure count
<i>switch_mode</i>	(Optional) Mode of operation

Command Mode

- /exec

show system login failures

```
show system login failures [ __readonly__ [ { TABLE_loginStats <username> <port> <remote_addr>
<app_name> <time> } ] ]
```

Syntax Description

show	Show running system information
system	System-related show commands
login	Secure Login
failures	Display Login failures in the current watch period
<i>__readonly__</i>	(Optional)
TABLE_loginStats	(Optional)
<i>username</i>	(Optional) User name
<i>port</i>	(Optional) Login port number
<i>remote_addr</i>	(Optional) Remote address
<i>app_name</i>	(Optional) Application name
<i>time</i>	(Optional) Login time

Command Mode

- /exec

show system memory-thresholds

```
show system memory-thresholds [ __readonly__ <critical_mem_threshold> <severe_mem_threshold>
<minor_mem_threshold> ]
```

Syntax Description

show	Show running system information
<i>__readonly__</i>	(Optional)
<i>critical_mem_threshold</i>	(Optional) Critical System Memory Threshold
<i>severe_mem_threshold</i>	(Optional) Severe System Memory Threshold
<i>minor_mem_threshold</i>	(Optional) Minor System Memory Threshold
system	System management commands
memory-thresholds	Set memory thresholds on the card

Command Mode

- /exec

show system mode

show system mode [*__readonly__* <system_mode> [<timer_state>]]

Syntax Description

show	Show running system information
system	System configuration commands
mode	Show system mode
<i>__readonly__</i>	(Optional)
<i>system_mode</i>	(Optional) system mode
<i>timer_state</i>	(Optional) timer state

Command Mode

- /exec

show system nve infra-vlans

```
show system nve infra-vlans [ __readonly__ [ current_active_vlan <active_vlan_output> ] { available_infra_vlan
<available_vlan_output> } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
nve	Show NVE information
infra-vlans	Show NVE infra-vlans related information
<i>__readonly__</i>	(Optional)
<i>current_active_vlan</i>	(Optional) Current Active Infra Vlan
<i>active_vlan_output</i>	(Optional) Current active infra vlan output
<i>available_infra_vlan</i>	(Optional) Available Infra Vlan
<i>available_vlan_output</i>	(Optional) Available Infra Vlan output

Command Mode

- /exec

show system poap

```
show system poap [ __readonly__ { [ TABLE_show_system_poap <Str1> ] } ]
```

Syntax Description

show	Show running system information
system	Show system information
poap	Show information related to POAP
__readonly__	(Optional)
TABLE_show_system_poap	(Optional) table for poap
<i>Str1</i>	(Optional) status of poap

Command Mode

- /exec

show system pss shrink status

```
show system pss shrink status [ details ] [ __readonly__ { [ <summary> ] [ TABLE_per_vdc <vdc_id> [
TABLE_detail_events <service> <vdc> <event> ] ] [ TABLE_events <service> <vdc> <event> ] } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
pss	Displays last pss shrink status
shrink	Displays last pss shrink status
status	Displays last pss shrink status
details	(Optional) Displays last pss shrink status details
<i>__readonly__</i>	(Optional)
<i>summary</i>	(Optional) PSS shrink summary
TABLE_per_vdc	(Optional)
<i>vdc_id</i>	(Optional) VDC id
TABLE_detail_events	(Optional) PSS shrink events
<i>service</i>	(Optional) Service name
<i>vdc</i>	(Optional) VDC number
<i>event</i>	(Optional) PSS evnets
TABLE_events	(Optional) PSS shrink events
<i>service</i>	(Optional) Service name
<i>vdc</i>	(Optional) VDC number
<i>event</i>	(Optional) PSS evnets

Command Mode

- /exec

show system redundancy ha status

```
show system redundancy ha status [ __readonly__ { [ TABLE_ha_status <vdc_id> <this_sup_internal_state>
<other_sup_internal_state> ] } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
ha	vdc redundancy status
status	all vdc redundancy status
<i>__readonly__</i>	(Optional)
<i>TABLE_ha_status</i>	(Optional) HA status for all vdc's
<i>vdc_id</i>	(Optional) vdc id
<i>this_sup_internal_state</i>	(Optional) This Supervisor State
<i>other_sup_internal_state</i>	(Optional) Remote Supervisor State

Command Mode

- /exec

show system redundancy status

```
show system redundancy status [ __readonly__ { <rdn_mode_admin> <rdn_mode_oper> <this_sup>
<this_sup_rdn_state> <this_sup_sup_state> <this_sup_internal_state> [ <other_sup> ] [ <other_sup_rdn_state>
] [ <other_sup_sup_state> ] [ <other_sup_internal_state> ] } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
status	Current redundancy status
<i>__readonly__</i>	(Optional) readonly
<i>rdn_mode_admin</i>	(Optional) Redundancy Mode Admin
<i>rdn_mode_oper</i>	(Optional) Redundancy Mode Operational
<i>this_sup</i>	(Optional) This Supervisor
<i>this_sup_rdn_state</i>	(Optional) Redundancy State
<i>this_sup_sup_state</i>	(Optional) Supervisor State
<i>this_sup_internal_state</i>	(Optional) Supervisor State
<i>other_sup</i>	(Optional) Other Supervisor
<i>other_sup_sup_state</i>	(Optional) Supervisor State
<i>other_sup_rdn_state</i>	(Optional) Redundancy tate
<i>other_sup_internal_state</i>	(Optional) Supervisor State

Command Mode

- /exec

show system reset-reason

```
show system reset-reason [ __readonly__ { TABLE_reason <slot> { TABLE_rr <time> <reason> <service>
<version> } } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
__readonly__	(Optional)
TABLE_reason	(Optional) Reset reason info
slot	(Optional) slot
TABLE_rr	(Optional) reset reason
time	(Optional) time
reason	(Optional) reset reason
service	(Optional) service name
version	(Optional) version

Command Mode

- /exec

show system reset-reason

```
show system reset-reason <s0> <santa-cruz-range> [ __readonly__ { TABLE_xbarreason <slot> { TABLE_rr
<time> <reason> <service> <version> } } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
<i>s0</i>	Show xbar module reset reason
<i>santa-cruz-range</i>	please enter the xbar module number
<i>__readonly__</i>	(Optional)
TABLE_xbarreason	(Optional) Reset reason info
<i>slot</i>	(Optional) slot
TABLE_rr	(Optional) reset reason
<i>time</i>	(Optional) time
<i>reason</i>	(Optional) reset reason
<i>service</i>	(Optional) service name
<i>version</i>	(Optional) version

Command Mode

- /exec

show system reset-reason module

```
show system reset-reason module <module> [ __readonly__ { TABLE_reason <slot> { TABLE_rr <time>
<reason> <service> <version> } } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
module	Show per module reset-reason code
<i>module</i>	please enter module number
<i>__readonly__</i>	(Optional)
TABLE_reason	(Optional) Reset reason info
<i>slot</i>	(Optional) slot
TABLE_rr	(Optional) reset reason
<i>time</i>	(Optional) time
<i>reason</i>	(Optional) reset reason
<i>service</i>	(Optional) service name
<i>version</i>	(Optional) version

Command Mode

- /exec

show system resources

```
show system resources [ __readonly__ { [ <load_avg_1min> ] [ <load_avg_5min> ] [ <load_avg_15min> ]
[ <processes_total> ] [ <processes_running> ] [ <cpu_state_user> ] [ <cpu_state_kernel> ] [ <cpu_state_idle>
] [ TABLE_cpu_usage <cpuid> <user> <kernel> <idle> ] [ <memory_usage_total> ] [ <memory_usage_used>
] [ <memory_usage_free> ] [ <vm_total> ] [ <vm_free> ] [ <mem_buffers> ] [ <mem_cached> ] [
<current_memory_status> ] } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
<i>__readonly__</i>	(Optional)
<i>TABLE_cpu_usage</i>	(Optional) All Cpu Usage Information
<i>load_avg_1min</i>	(Optional) Load Average 1 Min
<i>load_avg_5min</i>	(Optional) Load Average 5 Min
<i>load_avg_15min</i>	(Optional) Load Average 15 Min
<i>processes_total</i>	(Optional) Total processes
<i>processes_running</i>	(Optional) Running Processes
<i>cpu_state_user</i>	(Optional) CPU State User
<i>cpu_state_kernel</i>	(Optional) CPU State Kernel
<i>cpu_state_idle</i>	(Optional) CPU State Idle
<i>cpuid</i>	(Optional) CPU id
<i>user</i>	(Optional) user time
<i>kernel</i>	(Optional) kernel time
<i>idle</i>	(Optional) idle time
<i>memory_usage_total</i>	(Optional) Memory Usage Total
<i>memory_usage_used</i>	(Optional) Memory Usage Used
<i>memory_usage_free</i>	(Optional) Memory Usage Free
<i>vm_total</i>	(Optional) Kernal VMemory Total
<i>vm_free</i>	(Optional) Kernal VMemory Free
<i>mem_buffers</i>	(Optional) Kernal Buffers

<i>mem_cached</i>	(Optional) Kernal Cached
<i>current_memory_status</i>	(Optional) Current Memory Status

Command Mode

- /exec

show system resources all-modules

```
show system resources all-modules [ __readonly__ { [ <load_avg_1min> ] [ <load_avg_5min> ] [
<load_avg_15min> ] [ <processes_total> ] [ <processes_running> ] [ <cpu_state_user> ] [ <cpu_state_kernel>
] [ <cpu_state_idle> ] [ TABLE_cpu_usage <cpuid> <user> <kernel> <idle> ] [ <memory_usage_total> ] [
<memory_usage_used> ] [ <memory_usage_free> ] [ <current_memory_status> ] } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
all-modules	Show system resources for all available modules
__readonly__	(Optional)
TABLE_cpu_usage	(Optional) All Cpu Usage Information
load_avg_1min	(Optional) Load Average 1 Min
load_avg_5min	(Optional) Load Average 5 Min
load_avg_15min	(Optional) Load Average 15 Min
processes_total	(Optional) Total processes
processes_running	(Optional) Running Processes
cpu_state_user	(Optional) CPU State User
cpu_state_kernel	(Optional) CPU State Kernel
cpu_state_idle	(Optional) CPU State Idle
cpuid	(Optional) CPU id
user	(Optional) user time
kernel	(Optional) kernel time
idle	(Optional) idle time
memory_usage_total	(Optional) Memory Usage Total
memory_usage_used	(Optional) Memory Usage Used
memory_usage_free	(Optional) Memory Usage Free
current_memory_status	(Optional) Current Memory Status

Command Mode

- /exec

show system routing mode

```
show system routing mode [ __readonly__ TABLE_system_routing_mode { [ <configured-sys-routing-mode>
] [ <applied-sys-routing-mode> ] [ <svi-hardware-flood-mode> ] [ <routing-perf-mode> ] [
<mrouting-perf-mode> ] } ]
```

Syntax Description

show	Show running system information
system	Show system information
routing	Show routing related information
mode	Show mode related information
__readonly__	(Optional)
TABLE_system_routing_mode	(Optional) the xml system_routing_mode configuration
<i>configured-sys-routing-mode</i>	(Optional) Configured system routing mode description
<i>applied-sys-routing-mode</i>	(Optional) Applied system routing mode description
<i>svi-hardware-flood-mode</i>	(Optional) Configured SVI hardware flood mode description
<i>routing-perf-mode</i>	(Optional) Applied System Routing Performance Mode description
<i>mrouting-perf-mode</i>	(Optional) Applied System Mrouting Performance Mode

Command Mode

- /exec

show system security

```
show system security [ common-criteria ] [ __readonly__ { [ <common_criteria_o_status> ] } ]
```

Syntax Description

show	Show running system information
system	System Management commands
security	Security Management commands
common-criteria	(Optional) Show if common-criteria mode is enabled or disabled
__readonly__	(Optional)
<i>common_criteria_o_status</i>	(Optional) operational status of common-criteria

Command Mode

- /exec

show system simulate fan-presence

show system simulate fan-presence

Syntax Description

show	Show running system information
system	System management commands
simulate	Simulate Fan Presence
fan-presence	Simulate Fan Presence

Command Mode

- /exec

show system standby manual-boot

show system standby manual-boot [__readonly__ { <content> }]

Syntax Description

show	Show running system information
system	System-related show commands
standby	Displays system standby manual boot option
manual-boot	Displays system standby manual boot option
__readonly__	(Optional)
<i>content</i>	(Optional) Displays system standby manual boot option

Command Mode

- /exec

show system switch-mode

show system switch-mode [*__readonly__* <*op_mode*>]

Syntax Description

show	Show running system information
system	System-related show commands
switch-mode	Show current operational mode of the switch
<i>__readonly__</i>	(Optional)
<i>op_mode</i>	(Optional) Operational Mode

Command Mode

- /exec

show system uptime

```
show system uptime [ __readonly__ { <sys_st_time> <sys_up_days> <sys_up_hrs> <sys_up_mins>
<sys_up_secs> <kn_up_days> <kn_up_hrs> <kn_up_mins> <kn_up_secs> [ <as_up_days> ] [ <as_up_hrs>
] [ <as_up_mins> ] [ <as_up_secs> ] } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
uptime	Show how long the system has been up and running
<i>__readonly__</i>	(Optional) readonly
<i>sys_st_time</i>	(Optional) System Start Time
<i>sys_up_days</i>	(Optional) System Uptime Days
<i>sys_up_hrs</i>	(Optional) System Uptime Hours
<i>sys_up_mins</i>	(Optional) System Uptime Minutes
<i>sys_up_secs</i>	(Optional) System Uptime Seconds
<i>kn_up_days</i>	(Optional) Kernel Uptime Days
<i>kn_up_hrs</i>	(Optional) Kernel Uptime Hours
<i>kn_up_mins</i>	(Optional) Kernel Uptime Minutes
<i>kn_up_secs</i>	(Optional) Kernel Uptime Seconds
<i>as_up_days</i>	(Optional) Active Sup Uptime Days
<i>as_up_hrs</i>	(Optional) Active Sup Uptime Hours
<i>as_up_mins</i>	(Optional) Active Sup Uptime Minutes
<i>as_up_secs</i>	(Optional) Active Sup Uptime Seconds

Command Mode

- /exec

show system verify bios flash

```
show system verify bios { flash <i0> [ module <module> ] | protection <i1> [ module <module1> ] } [
__readonly__ { <return> <verify_result> <protection_status> } ]
```

Syntax Description

show	Show running system information
system	System-related show commands
verify	Verify commands
bios	Verify bios
flash	verify bios flash or protection status
<i>i0</i>	Select primary or alternate flash
module	(Optional) Module number
<i>module</i>	(Optional) Enter module number
protection	verify bios flash or protection status
<i>i1</i>	Select primary or alternate flash
module	(Optional) Module number
<i>module1</i>	(Optional) Enter module number
<i>__readonly__</i>	(Optional)
<i>return</i>	(Optional)
<i>verify_result</i>	(Optional)
<i>protection_status</i>	(Optional)

Command Mode

- /exec

show system vlan reserved

```
show system vlan reserved [ __readonly__ { TABLE_vlan <current_reserved_vlan_start>
<current_reserved_vlan_end> [ <future_reserved_vlan_start> ] [ <future_reserved_vlan_end> ] } ]
```

Syntax Description

show	Show running system information
system	system wide configuration
vlan	VLAN status
reserved	Show system VLAN allocation
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_vlan</i>	(Optional)
<i>current_reserved_vlan_start</i>	(Optional) System current running reserved vlan start
<i>current_reserved_vlan_end</i>	(Optional) System current running reserved vlan end
<i>future_reserved_vlan_start</i>	(Optional) System future running reserved vlan start
<i>future_reserved_vlan_end</i>	(Optional) System future running reserved vlan end

Command Mode

- /exec



T Show Commands

- [show table-map](#), on page 3143
- [show tacacs-server](#), on page 3144
- [show tacacs-server](#), on page 3145
- [show tacacs-server directed-request](#), on page 3146
- [show tacacs-server groups](#), on page 3147
- [show tacacs-server sorted](#), on page 3148
- [show tacacs-server statistics](#), on page 3149
- [show tech-support](#), on page 3151
- [show tech-support aaa](#), on page 3152
- [show tech-support acl](#), on page 3153
- [show tech-support aclmgr](#), on page 3154
- [show tech-support aclmgr compressed](#), on page 3155
- [show tech-support aclqos](#), on page 3156
- [show tech-support aclqos compressed](#), on page 3157
- [show tech-support adjmgr](#), on page 3158
- [show tech-support all](#), on page 3159
- [show tech-support all binary](#), on page 3160
- [show tech-support analytics](#), on page 3161
- [show tech-support app-hosting](#), on page 3162
- [show tech-support arp](#), on page 3163
- [show tech-support ascii-cfg](#), on page 3164
- [show tech-support assoc_mgr](#), on page 3165
- [show tech-support backup](#), on page 3166
- [show tech-support bcm](#), on page 3167
- [show tech-support bfd](#), on page 3168
- [show tech-support bgp](#), on page 3169
- [show tech-support biosd](#), on page 3170
- [show tech-support bloggerd-all](#), on page 3171
- [show tech-support bloggerd](#), on page 3172
- [show tech-support bootvar](#), on page 3173
- [show tech-support brief](#), on page 3174
- [show tech-support callhome](#), on page 3175
- [show tech-support cdp](#), on page 3176

- [show tech-support cert-enroll](#), on page 3177
- [show tech-support cfs](#), on page 3178
- [show tech-support cli](#), on page 3179
- [show tech-support clis](#), on page 3180
- [show tech-support clock_manager](#), on page 3181
- [show tech-support commands](#), on page 3182
- [show tech-support controller](#), on page 3183
- [show tech-support copp](#), on page 3184
- [show tech-support cores](#), on page 3185
- [show tech-support dcbx](#), on page 3186
- [show tech-support details](#), on page 3187
- [show tech-support device-alias](#), on page 3188
- [show tech-support dhclient](#), on page 3189
- [show tech-support dhcp](#), on page 3190
- [show tech-support dme](#), on page 3191
- [show tech-support dot1x](#), on page 3192
- [show tech-support dpvm](#), on page 3193
- [show tech-support ecp](#), on page 3194
- [show tech-support eem](#), on page 3195
- [show tech-support eigrp](#), on page 3196
- [show tech-support eltm](#), on page 3197
- [show tech-support epbr](#), on page 3198
- [show tech-support epp](#), on page 3199
- [show tech-support ethpm](#), on page 3200
- [show tech-support ethport](#), on page 3201
- [show tech-support evb](#), on page 3202
- [show tech-support fabric forwarding](#), on page 3203
- [show tech-support fabric multicast](#), on page 3204
- [show tech-support fabricpath isis](#), on page 3205
- [show tech-support fabricpath topology](#), on page 3206
- [show tech-support fast-reload](#), on page 3207
- [show tech-support fc2](#), on page 3208
- [show tech-support fcdomain](#), on page 3209
- [show tech-support fcns](#), on page 3210
- [show tech-support fcoe](#), on page 3211
- [show tech-support fcs](#), on page 3212
- [show tech-support feature](#), on page 3213
- [show tech-support fib-all](#), on page 3214
- [show tech-support fib module](#), on page 3215
- [show tech-support fips](#), on page 3216
- [show tech-support flogi](#), on page 3217
- [show tech-support forwarding l2 multicast](#), on page 3218
- [show tech-support forwarding l2 multicast vdc-all](#), on page 3219
- [show tech-support forwarding l2 unicast](#), on page 3220
- [show tech-support forwarding l3 multicast](#), on page 3221
- [show tech-support forwarding l3 multicast detail](#), on page 3222

- [show tech-support forwarding l3 multicast detail vdc-all](#), on page 3223
- [show tech-support forwarding l3 multicast vdc-all](#), on page 3224
- [show tech-support forwarding l3 unicast](#), on page 3225
- [show tech-support forwarding l3 unicast detail](#), on page 3226
- [show tech-support forwarding l3 unicast detail vdc-all](#), on page 3227
- [show tech-support forwarding l3 unicast vdc-all](#), on page 3228
- [show tech-support forwarding mpls](#), on page 3229
- [show tech-support forwarding multicast](#), on page 3230
- [show tech-support forwarding multicast nat](#), on page 3231
- [show tech-support forwarding srv6](#), on page 3232
- [show tech-support frequency synchronization](#), on page 3233
- [show tech-support fspf](#), on page 3234
- [show tech-support fsync_mgr](#), on page 3235
- [show tech-support gold](#), on page 3236
- [show tech-support gpixm](#), on page 3237
- [show tech-support ha](#), on page 3238
- [show tech-support ha module](#), on page 3239
- [show tech-support ha_short](#), on page 3240
- [show tech-support ha standby](#), on page 3241
- [show tech-support hardware-telemetry](#), on page 3242
- [show tech-support hsrp](#), on page 3243
- [show tech-support hsrp brief](#), on page 3244
- [show tech-support icam](#), on page 3245
- [show tech-support icmpv6](#), on page 3246
- [show tech-support im](#), on page 3247
- [show tech-support imp](#), on page 3248
- [show tech-support inband counters](#), on page 3249
- [show tech-support include-time](#), on page 3250
- [show tech-support install](#), on page 3251
- [show tech-support interface-vlan](#), on page 3252
- [show tech-support interfaces all](#), on page 3253
- [show tech-support intersight](#), on page 3254
- [show tech-support ip](#), on page 3255
- [show tech-support ip igmp](#), on page 3256
- [show tech-support ip igmp snooping](#), on page 3257
- [show tech-support ip msdp](#), on page 3258
- [show tech-support ip pim](#), on page 3259
- [show tech-support ipqos](#), on page 3260
- [show tech-support ipv6](#), on page 3261
- [show tech-support ipv6 mfwd](#), on page 3262
- [show tech-support ipv6 mld](#), on page 3263
- [show tech-support ipv6 mld snooping](#), on page 3264
- [show tech-support ipv6 multicast](#), on page 3265
- [show tech-support ipv6 pim](#), on page 3266
- [show tech-support isis](#), on page 3267
- [show tech-support issu](#), on page 3268

- [show tech-support kstack](#), on page 3269
- [show tech-support l2](#), on page 3270
- [show tech-support l2fm](#), on page 3271
- [show tech-support l2fm clients](#), on page 3272
- [show tech-support l2fm detail](#), on page 3273
- [show tech-support l2fm l2dbg](#), on page 3274
- [show tech-support l2fm l2dbg](#), on page 3275
- [show tech-support l2rib](#), on page 3276
- [show tech-support l3vm](#), on page 3277
- [show tech-support l3vpn](#), on page 3278
- [show tech-support lacp](#), on page 3279
- [show tech-support ldap](#), on page 3280
- [show tech-support license](#), on page 3281
- [show tech-support lim](#), on page 3282
- [show tech-support lisp](#), on page 3283
- [show tech-support lldp](#), on page 3284
- [show tech-support logging](#), on page 3285
- [show tech-support m2rib](#), on page 3286
- [show tech-support macsec](#), on page 3287
- [show tech-support macsec detail](#), on page 3288
- [show tech-support mdns](#), on page 3289
- [show tech-support memory](#), on page 3290
- [show tech-support mfw](#), on page 3291
- [show tech-support mmode](#), on page 3292
- [show tech-support module](#), on page 3293
- [show tech-support module all](#), on page 3294
- [show tech-support monitor](#), on page 3295
- [show tech-support monitor erspan](#), on page 3296
- [show tech-support monitorc-all](#), on page 3297
- [show tech-support mpls manager](#), on page 3298
- [show tech-support mpls oam](#), on page 3299
- [show tech-support mpls static](#), on page 3300
- [show tech-support mpls strip](#), on page 3301
- [show tech-support mpls switching](#), on page 3302
- [show tech-support mpls fwd](#), on page 3303
- [show tech-support multicast-vxlan- evpn](#), on page 3304
- [show tech-support multicast](#), on page 3305
- [show tech-support mvpn](#), on page 3306
- [show tech-support nat](#), on page 3307
- [show tech-support nbm](#), on page 3308
- [show tech-support nbm group](#), on page 3309
- [show tech-support netflow](#), on page 3310
- [show tech-support netstack](#), on page 3311
- [show tech-support netstack detail](#), on page 3312
- [show tech-support nexus9000v](#), on page 3313
- [show tech-support ngoam](#), on page 3314

- [show tech-support npacl](#), on page 3315
- [show tech-support npv](#), on page 3316
- [show tech-support ns](#), on page 3317
- [show tech-support ntp](#), on page 3318
- [show tech-support nve](#), on page 3319
- [show tech-support nxapi](#), on page 3320
- [show tech-support nxsdk](#), on page 3321
- [show tech-support object-store](#), on page 3322
- [show tech-support ofm](#), on page 3323
- [show tech-support ofm](#), on page 3324
- [show tech-support openconfig](#), on page 3325
- [show tech-support openflow](#), on page 3326
- [show tech-support openflow platform](#), on page 3327
- [show tech-support ospf](#), on page 3328
- [show tech-support ospfv3](#), on page 3329
- [show tech-support otv isis](#), on page 3330
- [show tech-support page](#), on page 3331
- [show tech-support patch](#), on page 3332
- [show tech-support pbr](#), on page 3333
- [show tech-support pfstat](#), on page 3334
- [show tech-support pie](#), on page 3335
- [show tech-support pixm-all](#), on page 3336
- [show tech-support pixm](#), on page 3337
- [show tech-support pixmc-all](#), on page 3338
- [show tech-support pktmgr](#), on page 3339
- [show tech-support platform-sdk](#), on page 3340
- [show tech-support platform](#), on page 3341
- [show tech-support plcmgr](#), on page 3342
- [show tech-support pltfm-config](#), on page 3343
- [show tech-support pnp](#), on page 3344
- [show tech-support poap](#), on page 3345
- [show tech-support poe](#), on page 3346
- [show tech-support port-channel](#), on page 3347
- [show tech-support port-client-all](#), on page 3348
- [show tech-support port-security](#), on page 3349
- [show tech-support port](#), on page 3350
- [show tech-support port](#), on page 3351
- [show tech-support private-vlan](#), on page 3352
- [show tech-support pss](#), on page 3353
- [show tech-support ptp](#), on page 3354
- [show tech-support radius](#), on page 3355
- [show tech-support rib](#), on page 3356
- [show tech-support rip](#), on page 3357
- [show tech-support routing](#), on page 3358
- [show tech-support routing ipv6](#), on page 3359
- [show tech-support routing ipv6 multicast](#), on page 3360

- [show tech-support routing multicast](#), on page 3361
- [show tech-support rpm](#), on page 3362
- [show tech-support rscn](#), on page 3363
- [show tech-support sal](#), on page 3364
- [show tech-support san-port-channel](#), on page 3365
- [show tech-support san](#), on page 3366
- [show tech-support satmgr](#), on page 3367
- [show tech-support security](#), on page 3368
- [show tech-support segment-routing](#), on page 3369
- [show tech-support services](#), on page 3370
- [show tech-support session-mgr](#), on page 3371
- [show tech-support sflow](#), on page 3372
- [show tech-support single-gericho](#), on page 3373
- [show tech-support sksd](#), on page 3374
- [show tech-support sla responder](#), on page 3375
- [show tech-support sla sender](#), on page 3376
- [show tech-support sla twamp-server](#), on page 3377
- [show tech-support slowdrain](#), on page 3378
- [show tech-support smm](#), on page 3379
- [show tech-support snmp](#), on page 3380
- [show tech-support sockets](#), on page 3381
- [show tech-support spm](#), on page 3382
- [show tech-support srte](#), on page 3383
- [show tech-support statsclient](#), on page 3384
- [show tech-support stp](#), on page 3385
- [show tech-support sup-filesys](#), on page 3386
- [show tech-support super-bridging](#), on page 3387
- [show tech-support sysmgr](#), on page 3388
- [show tech-support tacacs](#), on page 3389
- [show tech-support telemetry](#), on page 3390
- [show tech-support track](#), on page 3391
- [show tech-support trm-pd](#), on page 3392
- [show tech-support trm](#), on page 3393
- [show tech-support tunnel-encryption](#), on page 3394
- [show tech-support tunnel](#), on page 3395
- [show tech-support u2rib](#), on page 3396
- [show tech-support udld](#), on page 3397
- [show tech-support usd-all](#), on page 3398
- [show tech-support vdc](#), on page 3399
- [show tech-support virtual-service](#), on page 3400
- [show tech-support vlan](#), on page 3401
- [show tech-support vmtracker](#), on page 3402
- [show tech-support vpc](#), on page 3403
- [show tech-support vrrp](#), on page 3404
- [show tech-support vrrp brief](#), on page 3405
- [show tech-support vrrpv3](#), on page 3406

- [show tech-support vsan](#), on page 3407
- [show tech-support vshd](#), on page 3408
- [show tech-support vtp](#), on page 3409
- [show tech-support vvlan](#), on page 3410
- [show tech-support vxlan-evpn](#), on page 3411
- [show tech-support vxlan](#), on page 3412
- [show tech-support vxlan platform](#), on page 3413
- [show tech-support xbar](#), on page 3414
- [show tech-support xml](#), on page 3415
- [show tech-support xos](#), on page 3416
- [show tech-support zone](#), on page 3417
- [show telemetry config errors](#), on page 3418
- [show telemetry control database](#), on page 3419
- [show telemetry data collector brief](#), on page 3425
- [show telemetry dynamic configuration](#), on page 3426
- [show telemetry event collector stats](#), on page 3428
- [show telemetry pipeline stats](#), on page 3430
- [show telemetry port-counters](#), on page 3432
- [show telemetry syslog-filter](#), on page 3434
- [show telemetry transport](#), on page 3435
- [show telemetry transport](#), on page 3438
- [show telemetry usability](#), on page 3442
- [show telemetry yang direct-path cisco-nxos-device](#), on page 3443
- [show telnet server](#), on page 3444
- [show terminal](#), on page 3445
- [show terminal lock](#), on page 3446
- [show terminal output xml version](#), on page 3447
- [show time-range](#), on page 3448
- [show time-stamp running-config last-changed](#), on page 3450
- [show topology](#), on page 3451
- [show topology isl](#), on page 3452
- [show topology isl](#), on page 3453
- [show topology isl](#), on page 3454
- [show trace callhome](#), on page 3455
- [show track](#), on page 3456
- [show track brief](#), on page 3458
- [show troubleshoot l2 mac vlan](#), on page 3460
- [show troubleshoot l2 port-channel](#), on page 3461
- [show troubleshoot l3 vrf](#), on page 3462
- [show trunk protocol](#), on page 3463
- [show ttag brief](#), on page 3464
- [show ttag brief](#), on page 3465
- [show tunnel-encryption info global](#), on page 3466
- [show tunnel-encryption policy](#), on page 3467
- [show tunnel-encryption session](#), on page 3468
- [show tunnel-encryption statistics](#), on page 3470

- [show tunnel-profile](#), on page 3472

show table-map

```
show table-map [ <imap-name> | <default-omap-enum-name> ] [ __readonly__ { [ TABLE_omap <imap-name>
[ <desc> ] [ <def-value> ] [ <def-copy> ] [ <def-ignore> ] [ TABLE_list <frm-list> <to-val> ] ] } ]
```

Syntax Description

show	Show running system information
table-map	Table maps
TABLE_omap	(Optional) all omap xml sessions
<i>imap-name</i>	(Optional) Show a particular table map
<i>default-omap-enum-name</i>	(Optional)
<code>__readonly__</code>	(Optional)
<i>desc</i>	(Optional) Description string
<i>def-value</i>	(Optional) Unspecified entries will default to this value
<i>def-copy</i>	(Optional) Map unspecified values to equivalent output value
<i>def-ignore</i>	(Optional) Ignore unspecified values
TABLE_list	(Optional) table map lists
<i>frm-list</i>	(Optional) Original list of values which are to be mapped
<i>to-val</i>	(Optional) To value

Command Mode

- /exec

show tacacs-server

```
show tacacs-server { <host0> } [ __readonly__ { <host1> } ] [ <tac_port> ] [ <tac_shared_key> ] [ <time_out> ] [ <conn_type> ] [ <tac_idle_time> ] [ <test_user_name> ] <test_pwd> ]
```

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>host1</i>	(Optional) DNS name or IP address
<i>tac_port</i>	(Optional) TACACS+ server port
<i>tac_shared_key</i>	(Optional) TACACS+ shared secret
<i>time_out</i>	(Optional) radius server timeout
<i>conn_type</i>	(Optional) TACACS+ connection type
<i>test_user_name</i>	(Optional) User name in test packets
<i>test_pwd</i>	(Optional) User password in test packets
<i>tac_idle_time</i>	(Optional) Time interval for monitoring the server

Command Mode

- /exec

show tacacs-server

```
show tacacs-server [ __readonly__ [ <global_secretKey> ] { <global_timeout> <global_deadtime> } [
<global_source_intf> ] [ <global_idle_time> ] { [ <global_testUsername> ] [ <global_testPassword> ] } {
<server_count> } [ TABLE_server <server_ip> <port> [ <secretKey> ] [ <timeout> ] ] [ { <host0>
<tacacs_port> <shared_key> <idle_time><test_username> <test_password> } + ] ]
```

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
<i>__readonly__</i>	(Optional)
<i>global_secretKey</i>	(Optional) Global shared secret
<i>global_timeout</i>	(Optional) Global timeout for tacacs
<i>global_deadtime</i>	(Optional) Global deadtime
<i>global_source_intf</i>	(Optional) Tacacs global source interface
<i>global_idle_time</i>	(Optional) Tacacs global idle-time for server monitoring
<i>global_testUsername</i>	(Optional) Username of global test parameters
<i>global_testPassword</i>	(Optional) Password of global test parameters
<i>server_count</i>	(Optional) Total number of tacacs servers configured
TABLE_server	(Optional)
<i>server_ip</i>	(Optional) Ip address of the server
<i>port</i>	(Optional) Port used for this server
<i>secretKey</i>	(Optional) Shared secret between the server and the tacacs client
<i>timeout</i>	(Optional) Timeout for this tacacs server
<i>host0</i>	(Optional) DNS name or IP address
<i>tacacs_port</i>	(Optional) TACACS+ server port
<i>shared_key</i>	(Optional) TACACS+ shared secret
<i>test_password</i>	(Optional) User password in test packets

Command Mode

- /exec

show tacacs-server directed-request

```
show tacacs-server directed-request [ __readonly__ { <tacacs_directedRequest_status> } ]
```

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
directed-request	Show directed server enable configuration
__readonly__	(Optional)
<i>tacacs_directedRequest_status</i>	(Optional) status of tacacs-server directed request

Command Mode

- /exec

show tacacs-server groups

```
show tacacs-server groups [ <s0> ] [ __readonly__ [ <num_of_groups> ] [ TABLE_group <group_name> [
TABLE_server <server_ip> [ <port> ] ] [ <dead_time> ] [ <vrf_name> ] [ <source_interface> ] ] ]
```

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
groups	Show TACACS+ server group configuration information
<i>s0</i>	(Optional) TACACS+ server group name
<i>__readonly__</i>	(Optional)
<i>num_of_groups</i>	(Optional) number of groups
TABLE_group	(Optional)
<i>group_name</i>	(Optional) name of the group
TABLE_server	(Optional)
<i>server_ip</i>	(Optional) DNS name or IP address
<i>port</i>	(Optional) TACACS+ server port
<i>dead_time</i>	(Optional) Time interval for which the server is marked as dead before sending a test command
<i>vrf_name</i>	(Optional) name of the vrf
<i>source_interface</i>	(Optional) Interface Description

Command Mode

- /exec

show tacacs-server sorted

```
show tacacs-server sorted [ __readonly__ [ <global_secretKey> ] { <global_timeout> <global_deadtime> }
[ <global_source_intf> ] [ <global_idle_time> ] { [ <global_testUsername> ] [ <global_testPassword> ] } {
<server_count> } [ TABLE_server <server_ip> <port> [ <secretKey> ] [ <timeout> ] ] ]
```

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
sorted	Show TACACS+ servers sorted by server name
<i>__readonly__</i>	(Optional)
<i>global_secretKey</i>	(Optional) Global shared secret
<i>global_timeout</i>	(Optional) Global timeout for tacacs
<i>global_deadtime</i>	(Optional) Global deadtime
<i>global_source_intf</i>	(Optional) Tacacs global source interface
<i>global_idle_time</i>	(Optional) Tacacs global idle-time for server monitoring
<i>global_testUsername</i>	(Optional) Username of global test parameters
<i>global_testPassword</i>	(Optional) Password of global test parameters
<i>server_count</i>	(Optional) Total number of tacacs servers configured
TABLE_server	(Optional)
<i>server_ip</i>	(Optional) Ip address of the server
<i>port</i>	(Optional) Port used for this server
<i>secretKey</i>	(Optional) Shared secret between the server and the tacacs client
<i>timeout</i>	(Optional) Timeout for this tacacs server

Command Mode

- /exec

show tacacs-server statistics

```
show tacacs-server statistics { <host0> } [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics
<time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions>
<auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match>
<auth_resp_not_processed> <auth_resp_error> } { autho_statistics <autho_failed_transactions>
<autho_succ_transactions> <autho_req_sent> <autho_req_timedout> <autho_resp_no_match>
<autho_resp_not_processed> <autho_resp_error> } { acct_statistics <acct_failed_transactions>
<acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match>
<acct_resp_not_processed> <acct_resp_error> } ]
```

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
statistics	Show TACACS statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
<i>monitoring_statistics</i>	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
<i>auth_statistics</i>	(Optional) Authentication Statistics
<i>autho_statistics</i>	(Optional) Authorization Statistics
<i>acct_statistics</i>	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors

<i>autho_failed_transactions</i>	(Optional) Authorization: Failed transactions
<i>autho_succ_transactions</i>	(Optional) Authorization: Successful transactions
<i>autho_req_sent</i>	(Optional) Authorization: Requests sent
<i>autho_req_timedout</i>	(Optional) Authorization: Requests timedout
<i>autho_resp_no_match</i>	(Optional) Authorization: Responses with no matching requests
<i>autho_resp_not_processed</i>	(Optional) Authorization: Responses not processed
<i>autho_resp_error</i>	(Optional) Authorization: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions
<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timedout</i>	(Optional) Accounting: Requests timedout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

show tech-support

show tech-support [time-optimized] [forced] [debug-enable]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
forced	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
debug-enable	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support aaa

show tech-support aaa

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
aaa	Display aaa information

Command Mode

- /exec

show tech-support acl

```
show tech-support acl [ { commands | detail [ commands ] } ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
acl	Show information for acl technical support
commands	(Optional) Show commands run as part of acl technical support
detail	(Optional) Show detailed information for acl technical support
commands	(Optional) Show commands run as part of acl technical support

Command Mode

- /exec

show tech-support aclmgr

show tech-support aclmgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclmgr	ACL commands
detail	(Optional) Detailed Tech Support

Command Mode

- /exec

show tech-support aclmgr compressed

show tech-support aclmgr compressed <uri0> [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclmgr	ACL commands
compressed	Save compressed aclqos technical support
<i>uri0</i>	Enter filename to store
detail	(Optional) Detailed Tech Support

Command Mode

- /exec

show tech-support aclqos

show tech-support aclqos

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclqos	Show information for aclqos technical support

Command Mode

- /exec

show tech-support aclqos compressed

show tech-support aclqos compressed <uri0>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclqos	Show information for aclqos technical support
compressed	Save compressed aclqos technical support
<i>uri0</i>	Enter filename to store

Command Mode

- /exec

show tech-support adjmgr

show tech-support adjmgr [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
adjmgr	Display Adjmgr information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support all

show tech-support all [space-optimized] [time-optimized]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all	Gather detailed information for troubleshooting
space-optimized	(Optional) Gather tech-support info. using less memory and disk space
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space

Command Mode

- /exec

show tech-support all binary

show tech-support all binary <uri0>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all	Gather detailed information for troubleshooting
binary	Gather tech support for all applications in binary format
<i>uri0</i>	Select destination filesystem to save the binary output (NOTE: The output file name will be automatically generated and cannot be chosen)

Command Mode

- /exec

show tech-support analytics

show tech-support analytics [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
analytics	Show Analytics tech-support information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support app-hosting

show tech-support app-hosting [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
app-hosting	Gather detailed information for appmgr troubleshooting
commands	(Optional) Show commands executed as part of show tech-support app-hosting commands

Command Mode

- /exec

show tech-support arp

show tech-support arp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
arp	Display ARP information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ascii-cfg

show tech-support ascii-cfg

Syntax Description

show	Show running system information
tech-support	Show information for technical support personnel
ascii-cfg	Show ascii-cfg information for technical support personnel

Command Mode

- /exec

show tech-support assoc_mgr

show tech-support assoc_mgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
assoc_mgr	Gather detailed information for assoc_mgr troubleshooting

Command Mode

- /exec

show tech-support backup

show tech-support { backup | flexlink }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
backup	Gather detailed information for Switchport Backup troubleshooting
flexlink	Gather detailed information for Switchport Backup troubleshooting

Command Mode

- /exec

show tech-support bcm

show tech-support bcm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bcm	bcm hardware info

Command Mode

- /exec

show tech-support bfd

show tech-support bfd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bfd	BFD commands

Command Mode

- /exec

show tech-support bgp

show tech-support bgp [brief | detailed]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bgp	Display BGP status and configuration
brief	(Optional) Brief information
detailed	(Optional) Detailed information

Command Mode

- /exec

show tech-support biosd

show tech-support biosd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
biosd	Gather bios install log for trouble shooting

Command Mode

- /exec

show tech-support bloggerd-all

show tech-support bloggerd-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bloggerd-all	Gather detailed information for bloggerd troubleshooting from ALL modules

Command Mode

- /exec

show tech-support bloggerd

show tech-support bloggerd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bloggerd	Gather detailed information for bloggerd troubleshooting

Command Mode

- /exec

show tech-support bootvar

show tech-support bootvar

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bootvar	Gather detailed information for bootvar troubleshooting

Command Mode

- /exec

show tech-support brief

show tech-support brief

Syntax Description

show	Show running system summary information
tech-support	Gather information for troubleshooting
brief	Gather summary information for troubleshooting

Command Mode

- /exec

show tech-support callhome

show tech-support callhome

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
callhome	callhome troubleshooting information

Command Mode

- /exec

show tech-support cdp

show tech-support cdp

Syntax Description

show	show running system information
tech-support	Gather information for troubleshooting
cdp	Gather information for CDP trouble shooting

Command Mode

- /exec

show tech-support cert-enroll

show tech-support cert-enroll

Syntax Description

show	show commands
tech-support	Gather information for troubleshooting
cert-enroll	Display certificates information

Command Mode

- /exec

show tech-support cfs

show tech-support cfs [{ commands | name <cfs-dyn-app-name> [commands1] }]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cfs	Gather detailed information for cfs troubleshooting
commands	(Optional) CFS show tech commands
name	(Optional) Gather detailed information of cfs for a specified application
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
commands1	(Optional) CFS application show tech commands

Command Mode

- /exec

show tech-support cli

show tech-support cli

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cli	Gather information for parser troubleshooting

Command Mode

- /exec

show tech-support clis

show tech-support clis [brief] [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
clis	Gather information for CLI Server troubleshooting
brief	(Optional) Detailed information
commands	(Optional) Show commands executed as part of show tech-support clis

Command Mode

- /exec

show tech-support clock_manager

show tech-support clock_manager

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
clock_manager	Gather detailed information for clock manager troubleshooting

Command Mode

- /exec

show tech-support commands

show tech-support commands

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
commands	Show commands executed as part of show tech-support commands

Command Mode

- /exec

show tech-support controller

show tech-support controller

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
controller	Gather information for Controller troubleshooting

Command Mode

- /exec

show tech-support copp

show tech-support copp

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
copp	Gather information for copp trouble shooting

Command Mode

- /exec

show tech-support cores

```
show tech-support cores [ filename { <uri0> | <uri1> [ vrf <vrf-known-name> ] } [ archive { <core-count> | all } ] ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cores	Debugging information for process crashes
filename	(Optional) Create a file with the process crash debugging information and latest core files. Default is show_tech_cores.tar.gz
<i>uri0</i>	(Optional) Destination file system, path, and filename
<i>uri1</i>	(Optional) Destination file system, path, and filename
vrf	(Optional) Enter the vrf name
<i>vrf-known-name</i>	(Optional) VRF name
archive	(Optional) Gather core files from the logflash archive not just the current ones to place in the compressed file
<i>core-count</i>	(Optional) Number of most recent archived core files to gather from logflash
all	(Optional) Attempt to gather all archived core files from logflash

Command Mode

- /exec

show tech-support dcbx

show tech-support dcbx

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dcbx	Gather detailed information for DCBX component

Command Mode

- /exec

show tech-support details

show tech-support details [space-optimized] [time-optimized] [debug-enable]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
details	Gather detailed information for troubleshooting
space-optimized	(Optional) Gather tech-support info. using less memory and disk space
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
debug-enable	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support device-alias

show tech-support device-alias

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
device-alias	Show device-alias technical support information

Command Mode

- /exec

show tech-support dhclient

show tech-support dhclient

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
dhclient	Gather information for dhclient trouble shooting

Command Mode

- /exec

show tech-support dhcp

show tech-support dhcp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dhcp	Gather detailed information for dhcp troubleshooting

Command Mode

- /exec

show tech-support dme

show tech-support dme [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dme	Gather detailed information for dme troubleshooting
commands	(Optional) Show commands executed as part of show tech-support dme

Command Mode

- /exec

show tech-support dot1x

show tech-support dot1x

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
dot1x	Display dot1x information

Command Mode

- /exec

show tech-support dpvm

show tech-support dpvm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dpvm	Show information for dpvm technical support

Command Mode

- /exec

show tech-support ecp

show tech-support ecp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ecp	ECP (Edge Control Protocol)

Command Mode

- /exec

show tech-support eem

show tech-support eem

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
eem	Show EEM tech-support information

Command Mode

- /exec

show tech-support eigrp

show tech-support eigrp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
eigrp	Display EIGRP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support eltm

show tech-support eltm [detail]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
eltm	eltm debug info
detail	(Optional) Detailed information

Command Mode

- /exec

show tech-support epbr

show tech-support epbr

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
epbr	EPBR

Command Mode

- /exec

show tech-support epp

show tech-support epp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
epp	Gather detailed information for EPP troubleshooting

Command Mode

- /exec

show tech-support ethpm

show tech-support ethpm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ethpm	Gather detailed information for ETHPM troubleshooting

Command Mode

- /exec

show tech-support ethport

show tech-support ethport

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ethport	Gather detailed information for ETHPORT troubleshooting

Command Mode

- /exec

show tech-support evb

show tech-support evb

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
evb	EVB (Edge Virtual Bridge)

Command Mode

- /exec

show tech-support fabric forwarding

show tech-support fabric forwarding

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)

Command Mode

- /exec

show tech-support fabric multicast

show tech-support fabric multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabric	Fabric
multicast	Multicast information

Command Mode

- /exec

show tech-support fabricpath isis

show tech-support fabricpath isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
fabricpath	fabricpath information
isis	Fabricpath IS-IS information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support fabricpath topology

show tech-support fabricpath topology [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabricpath	Gather detailed information for Fabricpath troubleshooting
topology	Gather detailed information for Topology troubleshooting
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support fast-reload

show tech-support fast-reload

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fast-reload	Gather information for troubleshooting fast-reload timings

Command Mode

- /exec

show tech-support fc2

show tech-support fc2 [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fc2	Show information for fc2 technical support
commands	(Optional) Show commands run as part of fc2 technical support

Command Mode

- /exec

show tech-support fcdomain

show tech-support fcdomain [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcdomain	Gather detailed information for fcdomain troubleshooting
commands	(Optional) Show commands run as part of fcdomain technical support

Command Mode

- /exec

show tech-support fcns

show tech-support fcns [vsan <i0>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcns	Show information for fcns technical support
vsan	(Optional) Show technical support information for a specified vsan
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show tech-support fcoe

show tech-support fcoe

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcoe	Gather information for FCOE mgr trouble shooting

Command Mode

- /exec

show tech-support fcs

show tech-support fcs

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcs	Gather detailed information for fcs troubleshooting

Command Mode

- /exec

show tech-support feature

show tech-support feature [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
feature	Gather detailed information for feature troubleshooting
commands	(Optional) Show commands executed as part of show tech-support feature

Command Mode

- /exec

show tech-support fib-all

show tech-support fib-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fib-all	Gather detailed information for FC/FCoE FIB from all modules

Command Mode

- /exec

show tech-support fib module

show tech-support fib module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fib	Gather detailed information for FC/FCoE FIB troubleshooting
module	Gather info related to a fib
<i>module</i>	Enter module number

Command Mode

- /exec

show tech-support fips

show tech-support fips

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fips	show tech support information for security

Command Mode

- /exec

show tech-support flogi

show tech-support flogi

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
flogi	Gather detailed information for flogi troubleshooting

Command Mode

- /exec

show tech-support forwarding l2 multicast

show tech-support forwarding l2 multicast

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l2	layer 2 debug information
multicast	multicast

Command Mode

- /exec

show tech-support forwarding l2 multicast vdc-all

show tech-support forwarding l2 multicast vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l2	layer 2 debug information
multicast	multicast
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l2 unicast

show tech-support forwarding l2 unicast [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
forwarding	Forwarding debug info
l2	layer 2 debug info
unicast	unicast
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support forwarding l3 multicast

show tech-support forwarding l3 multicast

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast

Command Mode

- /exec

show tech-support forwarding l3 multicast detail

show tech-support forwarding l3 multicast detail

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
detail	detail

Command Mode

- /exec

show tech-support forwarding l3 multicast detail vdc-all

show tech-support forwarding l3 multicast detail vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
detail	detail
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l3 multicast vdc-all

show tech-support forwarding l3 multicast vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l3 unicast

show tech-support forwarding l3 unicast [module <module>] [list]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
module	(Optional) module
<i>module</i>	(Optional) module number
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support forwarding l3 unicast detail

show tech-support forwarding l3 unicast detail [module <module>] [list]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
detail	detailed show tech including platform commands
module	(Optional) module
<i>module</i>	(Optional) module number
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support forwarding l3 unicast detail vdc-all

show tech-support forwarding l3 unicast detail vdc-all [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
detail	detailed show tech including platform commands
vdc-all	vdc-all
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support forwarding l3 unicast vdc-all

show tech-support forwarding l3 unicast vdc-all [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
vdc-all	vdc-all
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support forwarding mpls

show tech-support forwarding mpls [module <module>] [evpn]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
mpls	mpls related information
module	(Optional) module
<i>module</i>	(Optional) module number
evpn	(Optional) evpn related tech support

Command Mode

- /exec

show tech-support forwarding multicast

show tech-support forwarding multicast [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
multicast	multicast
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support forwarding multicast nat

show tech-support forwarding multicast nat

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
multicast	multicast
nat	Inat/Enat debug information

Command Mode

- /exec

show tech-support forwarding srv6

show tech-support forwarding srv6 [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
srv6	srv6 debug information
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support frequency synchronization

show tech-support frequency synchronization

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
frequency	Gather detailed information for frequency synchronization troubleshooting
synchronization	Gather detailed information for frequency synchronization troubleshooting

Command Mode

- /exec

show tech-support fspf

show tech-support fspf [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fspf	Show information for fspf technical support
commands	(Optional) Show commands run as part of fspf technical support

Command Mode

- /exec

show tech-support fsync_mgr

show tech-support fsync_mgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
fsync_mgr	Gather information for fsync_mgr troubleshooting
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support gold

show tech-support gold

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
gold	Show gold tech-support information

Command Mode

- /exec

show tech-support gpixm

show tech-support gpixm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
gpixm	Gather detailed information for GLOBAL-PIXM troubleshooting

Command Mode

- /exec

show tech-support ha

show tech-support ha [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
commands	(Optional) Show commands executed as part of show tech-support ha commands

Command Mode

- /exec

show tech-support ha module

show tech-support ha module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
module	Gather info related to a module
<i>module</i>	Enter module number

Command Mode

- /exec

show tech-support ha_short

show tech-support ha_short [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha_short	Gather shortened version of HA tech-support for troubleshooting
commands	(Optional) Show commands executed as part of show tech-support ha commands

Command Mode

- /exec

show tech-support ha standby

show tech-support ha standby [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
standby	Gather detailed information for HA troubleshooting from standby supervisor
commands	(Optional) Show commands executed as part of show tech-support ha standby commands

Command Mode

- /exec

show tech-support hardware-telemetry

show tech-support hardware-telemetry

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
hardware-telemetry	Hardware Telemetry Information

Command Mode

- /exec

show tech-support hsrp

show tech-support hsrp

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
hsrp	Show hsrp tech-support information

Command Mode

- /exec

show tech-support hsrp brief

show tech-support hsrp brief

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
hsrp	Show hsrp tech-support information
brief	Show tech-support information in brief

Command Mode

- /exec

show tech-support icam

show tech-support icam [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
icam	icam - TCAM Analytics
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support icmpv6

show tech-support icmpv6 [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
icmpv6	Display Icmpv6 information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support im

show tech-support im

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
im	Gather detailed information for IM troubleshooting

Command Mode

- /exec

show tech-support imp

show tech-support imp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
imp	IMP commands

Command Mode

- /exec

show tech-support inband counters

show tech-support inband counters

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
inband	Gather all information about inband data path
counters	Gather all counters in inband data path

Command Mode

- /exec

show tech-support include-time

show tech-support include-time

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
include-time	Gather tech-support and capture time taken to execute each command

Command Mode

- /exec

show tech-support install

show tech-support install

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
install	Gather detailed information for rpm/package install operation

Command Mode

- /exec

show tech-support interface-vlan

show tech-support interface-vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
interface-vlan	Gather detailed information for interface-vlan troubleshooting

Command Mode

- /exec

show tech-support interfaces all

show tech-support interfaces all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
interfaces	Gather information for interfaces troubleshooting
all	Gather detailed information for interfaces troubleshooting

Command Mode

- /exec

show tech-support intersight

show tech-support intersight

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
intersight	intersight tech support

Command Mode

- /exec

show tech-support ip

show tech-support ip [brief | static-routes]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
brief	(Optional) Brief information
static-routes	(Optional) Static-Routes information

Command Mode

- /exec

show tech-support ip igmp

show tech-support ip igmp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
igmp	Display IGMP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip igmp snooping

show tech-support ip igmp snooping [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip msdp

show tech-support ip msdp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
msdp	Display MSDP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip pim

show tech-support ip pim [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
pim	PIM global configuration commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipqos

```
show tech-support ipqos [ server-only ] [ all ] [ snmp ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
server-only	(Optional) Dump the tech-support information only from IP QoS Manager server only
all	(Optional) Dump the tech-support information IP QoS Manager plus brief summary of system
snmp	(Optional) Dump the tech-support information only from IP QoS Manager server only (SNMP only)

Command Mode

- /exec

show tech-support ipv6

show tech-support ipv6 [brief | static-routes]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
brief	(Optional) Brief information
static-routes	(Optional) Static-Routes information

Command Mode

- /exec

show tech-support ipv6 mfwd

show tech-support ipv6 mfwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mfwd	Display MCASTFWD v6 status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 mld

show tech-support ipv6 mld [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 mld snooping

show tech-support ipv6 mld snooping [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 multicast

show tech-support ipv6 multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
multicast	Display V6 Multicast information

Command Mode

- /exec

show tech-support ipv6 pim

show tech-support ipv6 pim [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
pim	PIM6 global configuration commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support isis

show tech-support isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
isis	IS-IS events
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support issu

show tech-support issu [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
issu	Gather detailed information for issu troubleshooting
commands	(Optional) Show commands executed as part of show tech-support issu command

Command Mode

- /exec

show tech-support kstack

show tech-support kstack

Syntax Description

show	
tech-support	tech-support information
kstack	kstack information

Command Mode

- /exec

show tech-support l2

show tech-support l2

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2	Gather detailed information for layer 2 troubleshooting

Command Mode

- /exec

show tech-support l2fm

show tech-support l2fm

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info

Command Mode

- /exec

show tech-support l2fm clients

show tech-support l2fm clients [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2fm	l2fm debug info
clients	debug info of l2fm clients only running on linecard(mtm)
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support l2fm detail

show tech-support l2fm detail [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2fm	l2fm debug info
detail	All info related to l2fm
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support l2fm l2dbg

show tech-support l2fm l2dbg [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info
l2dbg	tech support capturing additional debug info for l2fm(l2dbg)
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support l2fm l2dbg

show tech-support l2fm l2dbg [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info
l2dbg	tech support capturing additional debug info for l2fm(l2dbg)
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support l2rib

show tech-support l2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2rib	Display L2RIB information

Command Mode

- /exec

show tech-support l3vm

show tech-support l3vm [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l3vm	Display VRF information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support l3vpn

show tech-support l3vpn [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l3vpn	BGP l3vpn information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support lacp

show tech-support lacp [all]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lacp	Gather detailed information for LACP component
all	(Optional) Gather detailed information of LACP and related components

Command Mode

- /exec

show tech-support ldap

show tech-support ldap

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
ldap	Display ldap information

Command Mode

- /exec

show tech-support license

show tech-support license

Syntax Description

show	show commands
tech-support	Gather information for troubleshooting
license	Display licensing information

Command Mode

- /exec

show tech-support lim

show tech-support lim

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lim	Gather detailed information for LIM troubleshooting

Command Mode

- /exec

show tech-support lisp

show tech-support lisp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lisp	LISP show commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support lldp

show tech-support lldp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lldp	Gather detailed information for LLDP troubleshooting

Command Mode

- /exec

show tech-support logging

show tech-support logging

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
logging	Show information on logging for technical support staff

Command Mode

- /exec

show tech-support m2rib

show tech-support m2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
m2rib	Gather detailed information for M2RIB troubleshooting

Command Mode

- /exec

show tech-support macsec

show tech-support macsec

Syntax Description

tech-support	Gather information for troubleshooting
macsec	Gather information for macsec troubleshooting

Command Mode

- /exec

show tech-support macsec detail

show tech-support macsec detail [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
macsec	macsec debug info
detail	All info related to MACsec
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support mdns

show tech-support mdns

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mdns	mDNS

Command Mode

- /exec

show tech-support memory

show tech-support memory

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
memory	Gather detailed information of memory for Kernal debugging

Command Mode

- /exec

show tech-support mfwd

show tech-support mfwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mfwd	Display MCASTFWD status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mmode

show tech-support mmode

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mmode	Gather information for troubleshooting mmode

Command Mode

- /exec

show tech-support module

show tech-support module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
module	Gather info related to a module
<i>module</i>	Enter module number

Command Mode

- /exec

show tech-support module all

show tech-support module all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
module	Gather info related to a module
all	Gather info related to all modules in the system

Command Mode

- /exec

show tech-support monitor

show tech-support monitor

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitor	Gather detailed information for monitor troubleshooting

Command Mode

- /exec

show tech-support monitor erspan

show tech-support monitor erspan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitor	Gather detailed information for monitor troubleshooting
erspan	Gather detailed information for erspan session troubleshooting

Command Mode

- /exec

show tech-support monitorc-all

show tech-support monitorc-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitorc-all	Gather detailed information for LC MONITORC troubleshooting

Command Mode

- /exec

show tech-support mpls manager

```
{ show tech-support mpls manager }
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	MPLS
manager	MPLS-Mgr

Command Mode

- /exec

show tech-support mpls oam

show tech-support mpls oam

Syntax Description

show	Show running system information
tech-support	Gather MPLS OAM information
mpls	Display MPLS status and configuration
oam	Gather MPLS OAM information

Command Mode

- /exec

show tech-support mpls static

show tech-support mpls static [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	Display MPLS status and configuration
static	Display STATIC configuration and status for troubleshooting
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mpls strip

show tech-support mpls strip

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
mpls	MPLS
strip	Gather MPLS label strip troubleshooting info

Command Mode

- /exec

show tech-support mpls switching

show tech-support mpls switching

Syntax Description

show	Show running system information
tech-support	Gather MPLS switching information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database

Command Mode

- /exec

show tech-support mpls fwd

show tech-support mpls fwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mplsfwd	Display MPLS forwarding information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support multicast-vxlan-evpn

show tech-support multicast-vxlan-evpn

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
multicast-vxlan-evpn	Multicast VxLAN EVPN feature

Command Mode

- /exec

show tech-support multicast

show tech-support [ip | ipv4] multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information

Command Mode

- /exec

show tech-support mvpn

show tech-support mvpn [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mvpn	Display Multicast VPN information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support nat

show tech-support nat

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nat	Gather information for troubleshooting NAT

Command Mode

- /exec

show tech-support nbm

show tech-support nbm [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
nbm	Non Blocking Multicast
brief	(Optional) Minimal information

Command Mode

- /exec

show tech-support nbm group

show tech-support nbm group <grp> [source <src>] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
nbm	Non Blocking Multicast
group	Multicast group
<i>grp</i>	Multicast group address
source	(Optional) Source IP address
<i>src</i>	(Optional) Source unicast IP address
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

show tech-support netflow

show tech-support netflow [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
netflow	Show NetFlow tech-support information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support netstack

show tech-support netstack

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting

Command Mode

- /exec

show tech-support netstack detail

show tech-support netstack detail

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting
detail	Gather detailed information for NETSTACK troubleshooting

Command Mode

- /exec

show tech-support nexus9000v

show tech-support nexus9000v

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
nexus9000v	Gather information for Nexus 9000v virtualization infrastructure trouble shooting

Command Mode

- /exec

show tech-support ngoam

show tech-support ngoam

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
ngoam	ngoam

Command Mode

- /exec

show tech-support npacl

show tech-support npacl [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npacl	Display npacl information
brief	(Optional) Brief npacl information

Command Mode

- /exec

show tech-support npv

show tech-support npv

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npv	Show information for NPV technical support staff

Command Mode

- /exec

show tech-support ns

show tech-support ns

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ns	Gather detailed information for northstar asic

Command Mode

- /exec

show tech-support ntp

show tech-support ntp

Syntax Description

show	show running system information
tech-support	Gather information for trouble shooting
ntp	Gather information for NTP trouble shooting

Command Mode

- /exec

show tech-support nve

show tech-support nve

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
nve	Display NVE information

Command Mode

- /exec

show tech-support nxapi

show tech-support nxapi

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxapi	Gather detailed information for nxapi troubleshooting

Command Mode

- /exec

show tech-support nxsdk

show tech-support nxsdk

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxsdk	NXOS SDK

Command Mode

- /exec

show tech-support object-store

show tech-support object-store

Syntax Description

show	Show Object Store
tech-support	Gather information for troubleshooting
object-store	Gather information from object store for Controller troubleshooting

Command Mode

- /exec

show tech-support ofm

show tech-support ofm [server-only] [flow-interface] [all]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
server-only	(Optional) Dump the tech-support information only from Overlay Flow Manager server only
flow-interface	(Optional) Dump the tech-support info for OFM ELTM IFTMC and SDK components
all	(Optional) Dump the tech-support information OFM plus brief summary of system

Command Mode

- /exec

show tech-support ofm

show tech-support ofm [vni-interface]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ofm	Overlay Flow Manager
vni-interface	(Optional) Dump the tech-support info for OFM vni-intf

Command Mode

- /exec

show tech-support openconfig

show tech-support openconfig

Syntax Description

show	Show
tech-support	Gathering information for troubleshooting openconfig
openconfig	OpenConfig Model Service App

Command Mode

- /exec

show tech-support openflow

show tech-support openflow [brief | detailed]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
openflow	Show tech support for OpenFlow
brief	(Optional) Brief information
detailed	(Optional) Detailed information

Command Mode

- /exec

show tech-support openflow platform

show tech-support openflow platform

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
openflow	openflow component
platform	openflow platform components

Command Mode

- /exec

show tech-support ospf

show tech-support ospf [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ospf	Display OSPF status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ospfv3

show tech-support ospfv3 [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ospfv3	Display OSPFv3 status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support otv isis

show tech-support otv isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
otv	IS-IS events
isis	IS-IS events
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support page

show tech-support page [time-optimized] [forced]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
page	Page through the output
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
forced	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support patch

show tech-support patch

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
patch	Gather detailed information for patch troubleshooting

Command Mode

- /exec

show tech-support pbr

{ show tech-support pbr }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pbr	Display Policy Based Routing (PBR) information

Command Mode

- /exec

show tech-support pfstat

show tech-support pfstat

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pfstat	Gather detailed information for pfstat troubleshooting

Command Mode

- /exec

show tech-support pie

show tech-support pie

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pie	Gather detailed information of feature pie debugging

Command Mode

- /exec

show tech-support pixm-all

show tech-support pixm-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixm-all	Gather detailed information for PIXM troubleshooting

Command Mode

- /exec

show tech-support pixm

show tech-support pixm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixm	Gather detailed information for vdc-local-PIXM troubleshooting

Command Mode

- /exec

show tech-support pixmc-all

show tech-support pixmc-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixmc-all	Gather detailed information for LC PIXMC troubleshooting

Command Mode

- /exec

show tech-support pktmgr

show tech-support pktmgr [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pktmgr	Display Packet Manager information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support platform-sdk

show tech-support platform-sdk

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
platform-sdk	Gather detailed information for platform-sdk troubleshooting

Command Mode

- /exec

show tech-support platform

show tech-support platform

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
platform	Get platform related information

Command Mode

- /exec

show tech-support plcmgr

show tech-support plcmgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
plcmgr	Policy Manager
detail	(Optional) Print more details (e.g. messages,etc)

Command Mode

- /exec

show tech-support pltfm-config

show tech-support pltfm-config

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pltfm-config	Gather detailed information for pltfm-config troubleshooting

Command Mode

- /exec

show tech-support pnp

show tech-support pnp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pnp	Show Technical support for Plug and Play

Command Mode

- /exec

show tech-support poap

show tech-support poap

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
poap	Gather detailed information for poap troubleshooting

Command Mode

- /exec

show tech-support poe

show tech-support poe

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
poe	Gather information for PoE trouble shooting

Command Mode

- /exec

show tech-support port-channel

show tech-support port-channel

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-channel	Gather detailed information for port channel troubleshooting

Command Mode

- /exec

show tech-support port-client-all

show tech-support port-client-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-client-all	Gather detailed information for LC port client troubleshooting

Command Mode

- /exec

show tech-support port-security

show tech-support port-security

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
port-security	Port security related command

Command Mode

- /exec

show tech-support port

show tech-support { port-profile | config-profile }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-profile	Gather information for troubleshooting port-profiles
config-profile	Gather information for troubleshooting config-profiles

Command Mode

- /exec

show tech-support port

show tech-support port

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port	Gather detailed information for port manager troubleshooting

Command Mode

- /exec

show tech-support private-vlan

show tech-support private-vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
private-vlan	Gather detailed information for private-vlan troubleshooting

Command Mode

- /exec

show tech-support pss

show tech-support pss

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pss	Gather detailed information for PSS troubleshooting

Command Mode

- /exec

show tech-support ptp

show tech-support ptp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ptp	Gather detailed information for PTP troubleshooting

Command Mode

- /exec

show tech-support radius

show tech-support radius

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
radius	Display radius information

Command Mode

- /exec

show tech-support rib

show tech-support rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rib	Gather detailed information for rib troubleshooting

Command Mode

- /exec

show tech-support rip

show tech-support rip [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rip	Display RIP routing protocol status
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing

show tech-support routing [ip | ipv4] [unicast] [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing ipv6

show tech-support routing ipv6 [unicast] [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing ipv6 multicast

show tech-support routing ipv6 multicast [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display V6 Multicast information
brief	(Optional) Display brief information

Command Mode

- /exec

show tech-support routing multicast

show tech-support routing [ip | ipv4] multicast [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information
brief	(Optional) Display brief information

Command Mode

- /exec

show tech-support rpm

```
{ show tech-support rpm }
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rpm	Display Route Policy Manager (RPM) information

Command Mode

- /exec

show tech-support rscn

show tech-support rscn [vsan <i0>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vsan	(Optional) Show technical support information for a specified vsan
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show tech-support sal

show tech-support sal

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sal	Show SAL tech-support information

Command Mode

- /exec

show tech-support san-port-channel

show tech-support san-port-channel

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san-port-channel	Gather detailed information for san port channel troubleshooting

Command Mode

- /exec

show tech-support san

show tech-support san

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san	Gather information for SAN trouble shooting

Command Mode

- /exec

show tech-support satmgr

show tech-support satmgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
satmgr	Gather detailed information for satmgr troubleshooting

Command Mode

- /exec

show tech-support security

show tech-support security

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
security	show tech support information for security

Command Mode

- /exec

show tech-support segment-routing

show tech-support segment-routing

Syntax Description

show	Show running system information
tech-support	Gather tech-support information
segment-routing	Segment-routing tech-support

Command Mode

- /exec

show tech-support services

show tech-support services [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
services	Services
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support session-mgr

show tech-support session-mgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
session-mgr	Gather information for troubleshooting session manager

Command Mode

- /exec

show tech-support sflow

show tech-support sflow

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sflow	Gather detailed information for sflow feature

Command Mode

- /exec

show tech-support single-jericho

show tech-support single-jericho

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
single-jericho	Gather detailed information for single-jericho troubleshooting

Command Mode

- /exec

show tech-support sksd

show tech-support sksd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sksd	show tech support information for sksd

Command Mode

- /exec

show tech-support sla responder

show tech-support sla responder [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
responder	Configure sla-responder tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support sla sender

show tech-support sla sender [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
sender	Configure sla-sender tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support sla twamp-server

show tech-support sla twamp-server [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
twamp-server	Configure sla-twamp-server tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support slowdrain

show tech-support slowdrain [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
slowdrain	Gather detailed information for slowdrain troubleshooting
commands	(Optional) Show commands executed as part of show tech-support slowdrain command

Command Mode

- /exec

show tech-support smm

show tech-support smm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
smm	Shared memory

Command Mode

- /exec

show tech-support snmp

show tech-support snmp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
snmp	Gather info related to snmp

Command Mode

- /exec

show tech-support sockets

show tech-support sockets [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sockets	Display sockets status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support spm

show tech-support spm [<application>] [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
spm	Service Policy Manager
<i>application</i>	(Optional) Specify an application
detail	(Optional) Print more details (e.g. messages,etc)

Command Mode

- /exec

show tech-support srte

show tech-support srte

Syntax Description

show	Show running system information
tech-support	Gather SRTE information
srte	Segment-Routing Traffic Eng

Command Mode

- /exec

show tech-support statsclient

show tech-support statsclient [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
statsclient	Gather statsclient tech-support
module	(Optional) Gather info related to one module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show tech-support stp

show tech-support stp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
stp	Gather detailed information for STP troubleshooting

Command Mode

- /exec

show tech-support sup-filesys

show tech-support sup-filesys

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sup-filesys	File-sys related issue

Command Mode

- /exec

show tech-support super-bridging

show tech-support super-bridging

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
super-bridging	Gather detailed information for super-bridging troubleshooting

Command Mode

- /exec

show tech-support sysmgr

show tech-support sysmgr [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sysmgr	Gather detailed information for sysmgr troubleshooting
commands	(Optional) Show commands executed as part of show tech-support sysmgr

Command Mode

- /exec

show tech-support tacacs

show tech-support tacacs +

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting

Command Mode

- /exec

show tech-support telemetry

show tech-support telemetry

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
telemetry	Gather information for telemetry troubleshooting

Command Mode

- /exec

show tech-support track

show tech-support track

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
track	Show track tech-support information

Command Mode

- /exec

show tech-support trm-pd

show tech-support trm-pd [detail]

Syntax Description

show	Show tech-support
tech-support	Gather information for troubleshooting
trm-pd	TRM platform components
detail	(Optional) Display detailed TRM PD

Command Mode

- /exec

show tech-support trm

show tech-support trm [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
trm	Tenant Routed Multicast information
detail	(Optional) Detailed tech-support for all components

Command Mode

- /exec

show tech-support tunnel-encryption

show tech-support tunnel-encryption [detail]

Syntax Description

tech-support	Gather information for troubleshooting
tunnel-encryption	Gather information for Tunnel-Encryption troubleshooting
detail	(Optional) Detailed information

Command Mode

- /exec

show tech-support tunnel

```
show tech-support tunnel [ { commands | detail [ commands1 ] } ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
tunnel	Gather detailed information for tunnel troubleshooting
commands	(Optional) Lists commands under 'show tunnel tech-support' command
detail	(Optional) Gather detailed information for tunnel troubleshooting
commands1	(Optional) Lists commands under 'Show tech-support tunnel detail' commands

Command Mode

- /exec

show tech-support u2rib

show tech-support u2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
u2rib	Gather detailed information for U2RIB troubleshooting

Command Mode

- /exec

show tech-support udd

show tech-support udd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
udd	Gather detailed information for udd troubleshooting

Command Mode

- /exec

show tech-support usd-all

show tech-support usd-all [time-optimized]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
usd-all	Gather detailed information for LC USD troubleshooting
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space

Command Mode

- /exec

show tech-support vdc

show tech-support vdc

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vdc	Gather detailed information for VDC troubleshooting

Command Mode

- /exec

show tech-support virtual-service

show tech-support virtual-service

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
virtual-service	Gather information for virtualization services trouble shooting

Command Mode

- /exec

show tech-support vlan

show tech-support vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vlan	Gather detailed information for VLAN troubleshooting

Command Mode

- /exec

show tech-support vmtracker

show tech-support vmtracker

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vmtracker	VMTRACKER commands

Command Mode

- /exec

show tech-support vpc

show tech-support vpc

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vpc	Gather detailed information for VPC troubleshooting

Command Mode

- /exec

show tech-support vrrp

show tech-support vrrp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vrrp	Show information for vrrp technical support

Command Mode

- /exec

show tech-support vrrp brief

show tech-support vrrp brief

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vrrp	Show information for vrrp technical support
brief	Show information for vrrp technical support in brief

Command Mode

- /exec

show tech-support vrrpv3

show tech-support vrrpv3 [detail]

Syntax Description

vrrpv3	VRRPv3 configuration commands
show	Show running system information
tech-support	Gather information for trouble shooting
detail	(Optional) Detailed output

Command Mode

- /exec

show tech-support vsan

show tech-support vsan [<i0> | commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vsan	Gather detailed information for vsan troubleshooting
<i>i0</i>	(Optional) VSAN id range
commands	(Optional) Show commands run as part of vsan technical support

Command Mode

- /exec

show tech-support vshd

show tech-support vshd

Syntax Description

show	Show running system information
tech-support	Show information for technical support
vshd	Show vshd information for technical support

Command Mode

- /exec

show tech-support vtp

show tech-support vtp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vtp	Gather detailed information for vtp troubleshooting

Command Mode

- /exec

show tech-support vvlan

show tech-support vvlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vvlan	Gather detailed information for Voice VLAN troubleshooting

Command Mode

- /exec

show tech-support vxlan-evpn

show tech-support vxlan-evpn

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
vxlan-evpn	VxLAN evpn feature

Command Mode

- /exec

show tech-support vxlan

show tech-support vxlan

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
vxlan	VxLAN feature

Command Mode

- /exec

show tech-support vxlan platform

show tech-support vxlan platform

Syntax Description

show	Show tech-support
tech-support	Gather information for troubleshooting
vxlan	VxLAN components
platform	VxLAN platform components

Command Mode

- /exec

show tech-support xbar

show tech-support xbar

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
xbar	Show xbar tech-support information

Command Mode

- /exec

show tech-support xml

show tech-support xml

Syntax Description

show	show running system information
tech-support	Gather information for trouble shooting
xml	Gather information for xml trouble shooting

Command Mode

- /exec

show tech-support xos

show tech-support xos [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
xos	Cross-OS Library Information and Traces
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support zone

show tech-support zone [[commands] [vsan <i0>]]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
zone	Show information for zoneserver technical support
vsan	(Optional) Show technical support information for a specified vsan
commands	(Optional) Show tech-support commands for zoneserver
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show telemetry config errors

```
show telemetry config errors [ __readonly__ [ { TABLE_error_list <list_row_idx> <path_name> <snr_grp_id>
<error> } ] ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
config	config errors information
errors	show telemetry configuration errors information
__readonly__	(Optional)
TABLE_error_list	(Optional) config error list
<i>list_row_idx</i>	(Optional) row index
<i>path_name</i>	(Optional) path name
<i>snr_grp_id</i>	(Optional) sensor group id
<i>error</i>	(Optional) error

Command Mode

- /exec

show telemetry control database

```

show telemetry control { database [ subscriptions | destination-groups | destinations | [ { [ sensor-paths |
sensor-groups ] [ detail ] } ] ] | stats } [ __readonly__ [ <subscription_db_size> ] [ { TABLE_subscriptions
<subscription_id> <data_collector_type> } ] [ <sensor_grp_db_size> ] [ { TABLE_sensor_grp
<snsr_grp_row_idx> <snsr_grp_id> <snsr_grp_type> <snsr_grp_collector_type> <snsr_grp_timer_interval>
<snsr_grp_timer_status> <snsr_grp_sub_count> <snsr_grp_sub_id> <snsr_grp_dc_cur_time>
<snsr_grp_dc_min_time> <snsr_grp_dc_max_time> <snsr_grp_enc_cur_time> <snsr_grp_enc_min_time>
<snsr_grp_enc_max_time> <snsr_grp_trans_cur_time> <snsr_grp_trans_min_time>
<snsr_grp_trans_max_time> <snsr_grp_stream_cur_time> <snsr_grp_stream_min_time>
<snsr_grp_stream_max_time> <snsr_grp_stream_col_id_drop> <snsr_grp_stream_last_col_id_drop>
<snsr_grp_stream_col_drop> } ] [ <sensor_path_db_size> ] [ { TABLE_sensor_path <path_row_idx>
<path_subscribed> <path_group_count> <path_secondary_group_count> <path_level> <path_name>
<path_grp_id> <path_query_condition> <path_filter_condition> <path_gpb_cur_enc_size>
<path_gpb_min_enc_size> <path_gpb_max_enc_size> <path_json_cur_enc_size> <path_json_min_enc_size>
<path_json_max_enc_size> <path_cgpb_cur_enc_size> <path_cgpb_min_enc_size>
<path_cgpb_max_enc_size> <path_dc_cur_time> <path_dc_min_time> <path_dc_max_time>
<path_enc_cur_time> <path_enc_min_time> <path_enc_max_time> <path_trans_cur_time>
<path_trans_min_time> <path_trans_max_time> <path_stream_cur_time> <path_stream_min_time>
<path_stream_max_time> <path_sub_id> } ] [ <destination_group_db_size> ] [ { TABLE_destination_group
<destination_group_id> <destination_group_refcount> <destination_group_use_vrf>
<destination_group_filter_filename> <destination_group_filter_md5hash> <destination_group_md5_checksum>
<destination_group_file_modified> <destination_group_file_synced> } ] [ <destination_db_size> ] [ {
TABLE_destinations <destination_ip> <destination_port> <destination_encoding> <destination_transport>
<destination_refcount> } ] [ db_statistics <chunk_alloc_fail> <sensor_path_chunk_create_fail>
<sensor_group_chunk_create_fail> <destination_chunk_create_fail> <destination_group_chunk_create_fail>
<subscription_chunk_create_fail> <sensor_path_db_create_fail> <sensor_group_db_create_fail>
<destination_db_create_fail> <destination_group_db_create_fail> <subscription_db_create_fail>
<sensor_path_db_insert_fail> <sensor_group_db_insert_fail> <destination_db_insert_fail>
<destination_group_db_insert_fail> <subscription_db_insert_fail> <sensor_path_db_delete_fail>
<sensor_group_db_delete_fail> <destination_db_delete_fail> <destination_group_db_delete_fail>
<subscription_db_delete_fail> <sensor_path_delete_in_use> <sensor_group_delete_in_use>
<destination_delete_in_use> <destination_group_delete_in_use> <delete_destination_in_use_fail>
<sensor_path_sensor_group_list_create_fail> <sensor_path_prop_list_create_fail>
<sensor_path_secondary_sensor_path_list_create_fail> <sensor_path_secondary_sensor_group_list_create_fail>
<sensor_group_sensor_path_list_create_fail> <sensor_group_subscription_list_create_fail>
<destination_group_subscription_list_create_fail> <destination_group_destination_list_create_fail>
<destination_destination_group_list_create_fail> <subscription_sensor_group_list_create_fail>
<subscription_destination_group_list_create_fail> <sensor_group_sensor_path_list_delete_fail>
<sensor_group_subscription_list_delete_fail> <sensor_group_subscription_unsupported_data_source_fail>
<destination_group_subscription_list_delete_fail> <destination_group_destination_list_delete_fail>
<subscription_sensor_group_list_delete_fail> <subscription_destination_group_list_delete_fail>
<destination_destination_group_list_delete_fail> <destination_delete_from_destination_group_fail>
<destination_group_delete_from_subscription_fail> <sensor_group_delete_from_subscription_fail>
<sensor_path_delete_from_sensor_group_fail> <get_encode_cb_fail> <get_transport_cb_fail> ] ]

```

Syntax Description

show	Show running system information
telemetry	Show telemetry info

control	Show telemetry control
database	Show database
subscriptions	(Optional) Show subscriptions
destination-groups	(Optional) Show destination-groups
destinations	(Optional) Show destinations
sensor-paths	(Optional) Show sensor-paths
sensor-groups	(Optional) Show sensor-groups
detail	(Optional) Show completed id
stats	Show stats
__readonly__	(Optional)
TABLE_sensor_grp	(Optional) Sensor group table
<i>sensor_grp_db_size</i>	(Optional) Sensor group DB size
<i>snsr_grp_row_idx</i>	(Optional) Sensor Group Row Idx
<i>snsr_grp_id</i>	(Optional) Sensor Group Id
<i>snsr_grp_type</i>	(Optional) Sensor Group Type
<i>snsr_grp_collector_type</i>	(Optional) Sensor Group Collector Type
<i>snsr_grp_timer_interval</i>	(Optional) Sensor Group Timer Interval in ms
<i>snsr_grp_timer_status</i>	(Optional) Sensor Group Timer Status
<i>snsr_grp_sub_count</i>	(Optional) Sensor Group Sub Count
<i>snsr_grp_sub_id</i>	(Optional) Sensor Group Sub Id
<i>snsr_grp_dc_cur_time</i>	(Optional) Sensor Group Data collection Current Time
<i>snsr_grp_dc_min_time</i>	(Optional) Sensor Group Data collection Minimum Time
<i>snsr_grp_dc_max_time</i>	(Optional) Sensor Group Data collection Maximum Time
<i>snsr_grp_enc_cur_time</i>	(Optional) Sensor Group Encoding Current Time
<i>snsr_grp_enc_min_time</i>	(Optional) Sensor Group Encoding Minimum Time
<i>snsr_grp_enc_max_time</i>	(Optional) Sensor Group Encoding Maximum Time
<i>snsr_grp_trans_cur_time</i>	(Optional) Sensor Group Transport Current Time
<i>snsr_grp_trans_min_time</i>	(Optional) Sensor Group Transport Minimum Time
<i>snsr_grp_trans_max_time</i>	(Optional) Sensor Group Transport Maximum Time

<i>snsr_grp_stream_cur_time</i>	(Optional) Sensor Group Streaming Current Time
<i>snsr_grp_stream_min_time</i>	(Optional) Sensor Group Streaming Minimum Time
<i>snsr_grp_stream_max_time</i>	(Optional) Sensor Group Streaming Maximum Time
<i>snsr_grp_stream_col_id_drop</i>	(Optional) Sensor Group Stream collection id Drop
<i>snsr_grp_stream_last_col_id_drop</i>	(Optional) Sensor Group Stream last collection id Drop
<i>snsr_grp_stream_col_drop</i>	(Optional) Sensor Group Stream number of collections dropped
TABLE_sensor_path	(Optional) Sensor path table
<i>sensor_path_db_size</i>	(Optional) Sensor path DB size
<i>path_row_idx</i>	(Optional) Sensor Path row index
<i>path_subscribed</i>	(Optional) Sensor path subscribed to events
<i>path_group_count</i>	(Optional) Sensor path group subscriptions
<i>path_secondary_group_count</i>	(Optional) Sensor path secondary group subscriptions
<i>path_level</i>	(Optional) Sensor path level
<i>path_name</i>	(Optional) Sensor path name
<i>path_grp_id</i>	(Optional) Sensor path group ID
<i>path_query_condition</i>	(Optional) Sensor path query condition
<i>path_filter_condition</i>	(Optional) Sensor path filter condition
<i>path_gpb_cur_enc_size</i>	(Optional) Sensor path gpb current encoded size
<i>path_gpb_min_enc_size</i>	(Optional) Sensor path gpb min encoded size
<i>path_gpb_max_enc_size</i>	(Optional) Sensor path gpb max encoded size
<i>path_json_cur_enc_size</i>	(Optional) Sensor path json current encoded size
<i>path_json_min_enc_size</i>	(Optional) Sensor path json min encoded size
<i>path_json_max_enc_size</i>	(Optional) Sensor path json max encoded size
<i>path_cgpb_cur_enc_size</i>	(Optional) Sensor path cgpb current encoded size
<i>path_cgpb_min_enc_size</i>	(Optional) Sensor path cgpb min encoded size
<i>path_cgpb_max_enc_size</i>	(Optional) Sensor path cgpb max encoded size
<i>path_dc_cur_time</i>	(Optional) sensor path last collection time
<i>path_dc_min_time</i>	(Optional) sensor path min collection time
<i>path_dc_max_time</i>	(Optional) sensor path max collection time

<i>path_enc_cur_time</i>	(Optional) sensor path last encode time
<i>path_enc_min_time</i>	(Optional) sensor path min encode time
<i>path_enc_max_time</i>	(Optional) sensor path max encode time
<i>path_trans_cur_time</i>	(Optional) sensor path last transport time
<i>path_trans_min_time</i>	(Optional) sensor path min transport time
<i>path_trans_max_time</i>	(Optional) sensor path min transport time
<i>path_stream_cur_time</i>	(Optional) sensor path last stream time
<i>path_stream_min_time</i>	(Optional) sensor path min stream time
<i>path_stream_max_time</i>	(Optional) sensor path max stream time
<i>path_sub_id</i>	(Optional) Sensor path Sub Id
TABLE_destination_group	(Optional) Destination group table
<i>destination_group_id</i>	(Optional) Destination group ID
<i>destination_group_db_size</i>	(Optional) Destination group DB size
<i>destination_group_use_vrf</i>	(Optional) Destination group vrf
<i>destination_group_refcount</i>	(Optional) Destination group subscription count
<i>destination_group_filter_filename</i>	(Optional) Destination group filter file name
<i>destination_group_filter_md5hash</i>	(Optional) Destination group filter file original md5 hash
<i>destination_group_md5_checksum</i>	(Optional) Destination group filter file current md5 hash
<i>destination_group_file_modified</i>	(Optional) Destination group filter file modified locally
<i>destination_group_file_synced</i>	(Optional) Destination group filter file sync status with standby
TABLE_destinations	(Optional) Destination table
<i>destination_db_size</i>	(Optional) Destination DB size
<i>destination_ip</i>	(Optional) Destination IP address
<i>destination_port</i>	(Optional) Destination IP port
<i>destination_encoding</i>	(Optional) Destination encoding
<i>destination_transport</i>	(Optional) Destination transport
<i>destination_refcount</i>	(Optional) Destination subscription count
TABLE_subscriptions	(Optional) Subscription table
<i>subscription_id</i>	(Optional) Subscription ID

<i>subscription_db_size</i>	(Optional) Subscription DB size
<i>data_collector_type</i>	(Optional) Data collector type
<i>db_statistics</i>	(Optional) DB Statistics
<i>chunk_alloc_fail</i>	(Optional) Chunk Alloc Fail
<i>sensor_path_chunk_create_fail</i>	(Optional) Sensor Path Chunk Create Fail
<i>sensor_group_chunk_create_fail</i>	(Optional) Sensor Group Chunk Create Fail
<i>destination_chunk_create_fail</i>	(Optional) Destination Chunk Create Fail
<i>destination_group_chunk_create_fail</i>	(Optional) Destination Group Chunk Create Fail
<i>subscription_chunk_create_fail</i>	(Optional) Subscription Chunk Create Fail
<i>sensor_path_db_create_fail</i>	(Optional) Sensor Path Db Create Fail
<i>sensor_group_db_create_fail</i>	(Optional) Sensor Group Db Create Fail
<i>destination_db_create_fail</i>	(Optional) Destination Db Create Fail
<i>destination_group_db_create_fail</i>	(Optional) Destination Group Db Create Fail
<i>subscription_db_create_fail</i>	(Optional) Subscription Db Create Fail
<i>sensor_path_db_insert_fail</i>	(Optional) Sensor Path Db Insert Fail
<i>sensor_group_db_insert_fail</i>	(Optional) Sensor Group Db Insert Fail
<i>destination_db_insert_fail</i>	(Optional) Destination Db Insert Fail
<i>destination_group_db_insert_fail</i>	(Optional) Destination Group Db Insert Fail
<i>subscription_db_insert_fail</i>	(Optional) Subscription Db Insert Fail
<i>sensor_path_db_delete_fail</i>	(Optional) Sensor Path Db Delete Fail
<i>sensor_group_db_delete_fail</i>	(Optional) Sensor Group Db Delete Fail
<i>destination_db_delete_fail</i>	(Optional) Destination Db Delete Fail
<i>destination_group_db_delete_fail</i>	(Optional) Destination Group Db Delete Fail
<i>subscription_db_delete_fail</i>	(Optional) Subscription Db Delete Fail
<i>sensor_path_delete_in_use</i>	(Optional) Sensor Path Delete In Use
<i>sensor_group_delete_in_use</i>	(Optional) Sensor Group Delete In Use
<i>destination_delete_in_use</i>	(Optional) Destination Delete In Use
<i>destination_group_delete_in_use</i>	(Optional) Destination Group Delete In Use
<i>delete_destination_in_use_fail</i>	(Optional) Delete Destination In Use Fail

<i>sensor_path_sensor_group_list_create_fail</i>	(Optional) Sensor Path Sensor Group List Create Fail
<i>sensor_path_prop_list_create_fail</i>	(Optional) Sensor Path Prop List Create Fail
<i>sensor_path_secondary_sensor_path_list_create_fail</i>	(Optional) Sensor Path Secondary Sensor Path List Create Fail
<i>sensor_path_secondary_sensor_group_list_create_fail</i>	(Optional) Sensor Path Secondary Sensor Group List Create Fail
<i>sensor_group_sensor_path_list_create_fail</i>	(Optional) Sensor Group Sensor Path List Create Fail
<i>sensor_group_subscription_list_create_fail</i>	(Optional) Sensor Group Subscription List Create Fail
<i>destination_group_subscription_list_create_fail</i>	(Optional) Destination Group Subscription List Create Fail
<i>destination_group_destination_list_create_fail</i>	(Optional) Destination Group Destination List Create Fail
<i>destination_destination_group_list_create_fail</i>	(Optional) Destination Destination Group List Create Fail
<i>subscription_sensor_group_list_create_fail</i>	(Optional) Subscription Sensor Group List Create Fail
<i>subscription_destination_group_list_create_fail</i>	(Optional) Subscription Destination Group List Create Fail
<i>sensor_group_sensor_path_list_delete_fail</i>	(Optional) Sensor Group Sensor Path List Delete Fail
<i>sensor_group_subscription_list_delete_fail</i>	(Optional) Sensor Group Subscription List Delete Fail
<i>sensor_group_subscription_unsupported_data_source_fail</i>	(Optional) Sensor Group Subscription Unsupported Data Source Fail
<i>destination_group_subscription_list_delete_fail</i>	(Optional) Destination Group Subscription List Delete Fail
<i>destination_group_destination_list_delete_fail</i>	(Optional) Destination Group Destination List Delete Fail
<i>subscription_sensor_group_list_delete_fail</i>	(Optional) Subscription Sensor Group List Delete Fail
<i>subscription_destination_group_list_delete_fail</i>	(Optional) Subscription Destination Group List Delete Fail
<i>destination_destination_group_list_delete_fail</i>	(Optional) Destination Destination Group List Delete Fail
<i>destination_delete_from_destination_group_fail</i>	(Optional) Destination Delete From Destination Group Fail
<i>destination_group_delete_from_subscription_fail</i>	(Optional) Destination Group Delete From Subscription Fail
<i>sensor_group_delete_from_subscription_fail</i>	(Optional) Sensor Group Delete From Subscription Fail
<i>sensor_path_delete_from_sensor_group_fail</i>	(Optional) Sensor Path Delete From Sensor Group Fail
<i>get_encode_cb_fail</i>	(Optional) Get Encode Cb Fail
<i>get_transport_cb_fail</i>	(Optional) Get Transport Cb Fail

Command Mode

- /exec

show telemetry data collector brief

```
show telemetry data collector { brief | details } [ __readonly__ [ { TABLE_data_collector_brief <dcb_row_idx>
<dcb_collector_type> <dcb_success_count> <dcb_fail_count> <dcb_skip_count> } ] [ {
TABLE_data_collector_details <dcd_row_idx> <dcd_success_count> <dcd_fail_count> <dcd_skip_count>
<dcd_path_name> <dcd_grp_id> } ] ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
data	Show telemetry data info
collector	Show telemetry data collector info
brief	Show component level data collection stats
details	Show path level data collection stats
__readonly__	(Optional)
TABLE_data_collector_brief	(Optional) Data collector brief
<i>dcb_row_idx</i>	(Optional) Data collector brief index
<i>dcb_collector_type</i>	(Optional) Data collector type
<i>dcb_success_count</i>	(Optional) Data collector success count
<i>dcb_fail_count</i>	(Optional) Data collector fail count
<i>dcb_skip_count</i>	(Optional) Data collector skip count
TABLE_data_collector_details	(Optional) Data collector details
<i>dcd_row_idx</i>	(Optional) Data collector row index
<i>dcd_success_count</i>	(Optional) Data collector success count
<i>dcd_fail_count</i>	(Optional) Data collector fail count
<i>dcd_skip_count</i>	(Optional) Data collector skip count
<i>dcd_path_name</i>	(Optional) Data collector path name
<i>dcd_grp_id</i>	(Optional) Data collector group ID

Command Mode

- /exec

show telemetry dynamic configuration

```
show telemetry dynamic configuration [ __readonly__ [ <subscription_id> ] [ { TABLE_destination_groups
<dst_grp_row_idx> <dst_grp_id> } ] [ { TABLE_sensor_groups <snsr_grp_row_idx> <snsr_grp_id>
<snsr_grp_sample_interval> } ] [ <destination_group_id> ] [ { TABLE_destinations <destination_ip>
<destination_port> <destination_encoding> <destination_transport> } ] [ <snsr_grp_id> ] [ {
TABLE_sensor_path <path_row_idx> <path_name> } ] ]
```

Syntax Description

show	Show information
telemetry	Show telemetry info
dynamic	Show telemetry dynamic configuration
configuration	Show telemetry dynamic configuration
<i>__readonly__</i>	(Optional)
<i>subscription_id</i>	(Optional) Subscription ID
TABLE_destination_groups	(Optional) Destination group table
<i>dst_grp_row_idx</i>	(Optional) Destination group row index
<i>dst_grp_id</i>	(Optional) Destination group ID
TABLE_sensor_groups	(Optional) Sensor group table
<i>snsr_grp_row_idx</i>	(Optional) Sensor group row index
<i>snsr_grp_id</i>	(Optional) Sensor group ID
<i>snsr_grp_sample_interval</i>	(Optional) Sample interval
<i>destination_group_id</i>	(Optional) Destination group ID
TABLE_destinations	(Optional) Destination table
<i>destination_ip</i>	(Optional) Destination IP address
<i>destination_port</i>	(Optional) Destination IP port
<i>destination_encoding</i>	(Optional) Destination encoding
<i>destination_transport</i>	(Optional) Destination transport
<i>snsr_grp_id</i>	(Optional) Sensor Group Id
TABLE_sensor_path	(Optional) Sensor path table
<i>path_row_idx</i>	(Optional) Sensor Path row index
<i>path_name</i>	(Optional) Sensor path name

Command Mode

- /exec

show telemetry event collector stats

```
show telemetry event collector { stats | errors } [ __readonly__ [ { TABLE_event_collector_stats <ec_row_idx>
<ec_collection_count> <ec_last_collection_ts> <ec_sensor_path> <ec_sensor_grp_id> } ] [ {
event_collector_errors <event_sub_init_fail> <event_data_enq_fail> <event_sub_fail>
<pending_sub_list_create_fail> <sub_hash_table_create_fail> <sub_hash_table_destroy_fail>
<sub_hash_table_insert_fail> <sub_hash_table_remove_fail> } ] ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
event	Show telemetry event info
collector	Show telemetry event collector info
stats	Show all tm stat info
errors	Show all tm error info
<i>__readonly__</i>	(Optional)
<i>event_collector_errors</i>	(Optional) Event collection failure
<i>event_sub_init_fail</i>	(Optional) Event Sub Init Fail
<i>event_data_enq_fail</i>	(Optional) Event Data Enqueue Fail
<i>event_sub_fail</i>	(Optional) Event Subscription Fail
<i>pending_sub_list_create_fail</i>	(Optional) Pending Subscription List Create Fail
<i>sub_hash_table_create_fail</i>	(Optional) Subscription Hash Table Create Fail
<i>sub_hash_table_destroy_fail</i>	(Optional) Subscription Hash Table Destroy Fail
<i>sub_hash_table_insert_fail</i>	(Optional) Subscription Hash Table Insert Fail
<i>sub_hash_table_remove_fail</i>	(Optional) Subscription Hash Table Remove Fail
<i>TABLE_event_collector_stats</i>	(Optional) Event collector stats table
<i>ec_row_idx</i>	(Optional) Event collector row index
<i>ec_collection_count</i>	(Optional) Event collection count
<i>ec_last_collection_ts</i>	(Optional) Last event collection timestamp
<i>ec_sensor_path</i>	(Optional) Event collection sensor path
<i>ec_sensor_grp_id</i>	(Optional) Event collection group ID

Command Mode

- /exec

show telemetry pipeline stats

```
show telemetry pipeline stats [ __readonly__ { main_statistics { timers <start_fail> } { data_collector
<dnode_create_fail> } { event_collector <enode_create_fail> <node_add_fail> <invalid_data> } { memory
<allowed_limit> <occupied_mem> } } { queue_statistics { TABLE_queue <queue_name> <actual_size>
<current_size> <max_size> <full_count> <enqueue_error> <dequeue_error> } } ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
pipeline	Show telemetry pipeline info
stats	Show all telemetry pipeline stats
<i>__readonly__</i>	(Optional)
<i>main_statistics</i>	(Optional) Main Statistics
<i>timers</i>	(Optional) Timers Statistics
<i>start_fail</i>	(Optional) Timers start failure
<i>data_collector</i>	(Optional) Data collector Statistics
<i>dnode_create_fail</i>	(Optional) Data Node creation failure
<i>event_collector</i>	(Optional) Event collector Statistics
<i>enode_create_fail</i>	(Optional) Event Node creation failure
<i>node_add_fail</i>	(Optional) Node add failure
<i>invalid_data</i>	(Optional) Invalid data
<i>memory</i>	(Optional) Memory Statistics
<i>allowed_limit</i>	(Optional) Allowed memory limit
<i>occupied_mem</i>	(Optional) Occupied memory
<i>queue_statistics</i>	(Optional) Queue Statistics
<i>TABLE_queue</i>	(Optional) Queue table
<i>queue_name</i>	(Optional) Queue name
<i>actual_size</i>	(Optional) Actual size
<i>current_size</i>	(Optional) Current size
<i>max_size</i>	(Optional) Maximum size

<i>full_count</i>	(Optional) Full count
<i>enqueue_error</i>	(Optional) Enqueue error
<i>dequeue_error</i>	(Optional) Dequeue error

Command Mode

- /exec

show telemetry port-counters

```
show telemetry port-counters [ interface <if_name> ] [ __readonly__ [ { TABLE_port_counters <if_name>
<portPacketInIpv4> <portInIpv4> <portPacketOutIpv4> <portOutIpv4> <portPacketInIpv4Pps>
<portInIpv4Bps> <portPacketOutIpv4Pps> <portOutIpv4Bps> <portPacketInIpv6> <portInIpv6>
<portPacketOutIpv6> <portOutIpv6> <portPacketInIpv6Pps> <portInIpv6Bps> <portPacketOutIpv6Pps>
<portOutIpv6Bps> <portTx0Pfc> <portTx1Pfc> <portTx2Pfc> <portTx3Pfc> <portTx4Pfc> <portTx5Pfc>
<portTx6Pfc> <portTx7Pfc> <portRx0Pfc> <portRx1Pfc> <portRx2Pfc> <portRx3Pfc> <portRx4Pfc>
<portRx5Pfc> <portRx6Pfc> <portRx7Pfc> } ] ]
```

Syntax Description

show	Show information
telemetry	Show telemetry info
port-counters	Show telemetry port-counters
interface	(Optional) Show telemetry port-counters interface
<i>if_name</i>	(Optional) Physical interface
<i>__readonly__</i>	(Optional)
<i>if_name</i>	(Optional) Interface index
TABLE_port_counters	(Optional) port-counters table
<i>portPacketInIpv4</i>	(Optional) counter portPacketInIpv4
<i>portInIpv4</i>	(Optional) counter portInIpv4
<i>portPacketOutIpv4</i>	(Optional) counter portPacketOutIpv4
<i>portOutIpv4</i>	(Optional) counter portOutIpv4
<i>portPacketInIpv4Pps</i>	(Optional) counter portPacketInIpv4Pps
<i>portInIpv4Bps</i>	(Optional) counter portInIpv4Bps
<i>portPacketOutIpv4Pps</i>	(Optional) counter portPacketOutIpv4Pps
<i>portOutIpv4Bps</i>	(Optional) counter portOutIpv4Bps
<i>portPacketInIpv6</i>	(Optional) counter portPacketInIpv6
<i>portInIpv6</i>	(Optional) counter portInIpv6
<i>portPacketOutIpv6</i>	(Optional) counter portPacketOutIpv6
<i>portOutIpv6</i>	(Optional) counter portOutIpv6
<i>portPacketInIpv6Pps</i>	(Optional) counter portPacketInIpv6Pps
<i>portInIpv6Bps</i>	(Optional) counter portInIpv6Bps

<i>portPacketOutIpv6Pps</i>	(Optional) counter portPacketOutIpv6Pps
<i>portOutIpv6Bps</i>	(Optional) counter portOutIpv6Bps
<i>portTx0Pfc</i>	(Optional) counter portTx0Pfc
<i>portTx1Pfc</i>	(Optional) counter portTx1Pfc
<i>portTx2Pfc</i>	(Optional) counter portTx2Pfc
<i>portTx3Pfc</i>	(Optional) counter portTx3Pfc
<i>portTx4Pfc</i>	(Optional) counter portTx4Pfc
<i>portTx5Pfc</i>	(Optional) counter portTx5Pfc
<i>portTx6Pfc</i>	(Optional) counter portTx6Pfc
<i>portTx7Pfc</i>	(Optional) counter portTx7Pfc
<i>portRx0Pfc</i>	(Optional) counter portRx0Pfc
<i>portRx1Pfc</i>	(Optional) counter portRx1Pfc
<i>portRx2Pfc</i>	(Optional) counter portRx2Pfc
<i>portRx3Pfc</i>	(Optional) counter portRx3Pfc
<i>portRx4Pfc</i>	(Optional) counter portRx4Pfc
<i>portRx5Pfc</i>	(Optional) counter portRx5Pfc
<i>portRx6Pfc</i>	(Optional) counter portRx6Pfc
<i>portRx7Pfc</i>	(Optional) counter portRx7Pfc

Command Mode

- /exec

show telemetry syslog-filter

```
show telemetry syslog-filter [ __readonly__ [ { TABLE_syslog_filter_table <syslog_filter_row_idx>
<syslog_filter_path> } ] ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
syslog-filter	syslog filter information
<i>__readonly__</i>	(Optional)
<i>TABLE_syslog_filter_table</i>	(Optional) syslog filter table
<i>syslog_filter_row_idx</i>	(Optional) row index
<i>syslog_filter_path</i>	(Optional) syslog filter path

Command Mode

- /exec

<i>retries_dropped</i>	(Optional) Number of retries dropped
<i>retry_buffer_size</i>	(Optional) Retry buffer size
TABLE_transport_session	(Optional) Transport session information
<i>session_idx</i>	(Optional) Session Id
<i>dstgrp_idx</i>	(Optional) Destination group Id
<i>ip_addr</i>	(Optional) Transport IP address
<i>port_no</i>	(Optional) Transport port
<i>dest_info</i>	(Optional) Destination information
<i>transport_security_cert_fname</i>	(Optional) Transport security file name
<i>transport_last_connected</i>	(Optional) Transport last connected
<i>transport_last_disconnected</i>	(Optional) Transport last disconnected
<i>transport_errors_count</i>	(Optional) Transport errors count
<i>transport_last_tx_error</i>	(Optional) Transport last tx error
<i>proxy_server_port</i>	(Optional) Proxy server and port
<i>proxy_username</i>	(Optional) Proxy username
TABLE_transport_stats	(Optional) Transport sessions' stats info
<i>t_stats_id</i>	(Optional) Transport Session id
<i>t_stats_dstgrp_id</i>	(Optional) Transport Session DstGrp id
transport_statistics	(Optional) Transport statistics
connect_statistics	(Optional) Connection statistics
<i>connect_count</i>	(Optional) Connection count
<i>last_connected</i>	(Optional) Last connected timestamp
<i>disconnect_count</i>	(Optional) Disconnect count
<i>last_disconnected</i>	(Optional) Last disconnected timestamp
trans_statistics	(Optional) Transport statistics
<i>compression</i>	(Optional) Compression status
<i>source_interface_name</i>	(Optional) Source interface name
<i>source_interface_ip</i>	(Optional) Source interface ip
<i>transmit_count</i>	(Optional) Transmission count

<i>last_tx_time</i>	(Optional) Last Transmission time
<i>min_tx_time</i>	(Optional) Minimum transmission time
<i>max_tx_time</i>	(Optional) Maximum transmission time
<i>avg_tx_time</i>	(Optional) Average transmission time
<i>cur_tx_time</i>	(Optional) Current transmission time
TABLE_transport_errors	(Optional) Transport sessions' error info
<i>t_errors_id</i>	(Optional) Transport Session id
<i>t_errors_dstgrp_id</i>	(Optional) Transport Session DstGrp id
connect_errors	(Optional) Connection errors
<i>connect_errors_count</i>	(Optional) Connection error count
trans_errors	(Optional) Transport errors
<i>trans_errors_count</i>	(Optional) Transport error count
<i>last_tx_error</i>	(Optional) Last transport error
<i>last_tx_return_code</i>	(Optional) Last transport return code

Command Mode

- /exec

show telemetry transport

```
show telemetry transport [ { <session_id> [ { stats | errors | kafka-info } ] | kafka } ] [ __readonly__ [ {
TABLE_transport_info <session_idx> [ <dstgrp_idx> ] [ <ip_address> ] [ <port> ] [ <dest_info> ] [
<encoding_type> ] <transport_type> <transport_status> [ <transport_security_cert_fname> ] [
<transport_last_connected> ] [ <transport_last_disconnected> ] [ <transport_errors_count> ] [
<transport_last_tx_error> ] [ <proxy_server_port> ] [ <proxy_username> } ] ] [ <t_session_id> ] [ {
transport_statistics [ { connect_statistics <connect_count> <last_connected> <disconnect_count>
<last_disconnected> } ] { trans_statistics <compression> <source_interface_name> <source_interface_ip>
<transmit_count> <last_tx_time> <min_tx_time> <max_tx_time> <avg_tx_time> <cur_tx_time> } } ] [ {
transport_errors { connect_errors <connect_errors_count> } { trans_errors <trans_errors_count> <last_tx_error>
[ <last_tx_return_code> } ] } ] [ TABLE_transport_kafka <row_idx> [ <broker> ] [ <topic> ] [
<kafka_msg_count> } ] ] [ <kafka_producer_name> ] [ <kafka_producer_request_size> ] [
<kafka_producer_request_timeout> ] [ <kafka_lib_version> ] [ { transport_retry_stats <ts_event_retry_bytes>
<ts_event_retry_size> <ts_timer_retry_bytes> <ts_timer_retry_size> <ts_retries_sent> <ts_retries_dropped>
} ] [ <retry_buffer_size> ] [ <event_retry_bytes> ] [ <timer_retry_bytes> ] [ <retries_sent> ] [ <retries_dropped>
] [ { TABLE_transport_kafka_all <k_ss_idx> [ <kafka_broker> ] [ <kafka_producer> ] [ <kafka_encoding>
] [ <kafka_topic> ] [ <kafka_status> } ] } ] ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
transport	Show telemetry transport info
<i>session_id</i>	(Optional) Session id
stats	(Optional) Show all tm stat info
errors	(Optional) Show all tm error info
kafka	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
kafka-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_transport_info	(Optional) Transport information
TABLE_transport_kafka	(Optional) Transport Kafka information
TABLE_transport_kafka_all	(Optional) Transport Kafka information
<i>session_idx</i>	(Optional) Session Id
<i>row_idx</i>	(Optional) Session Id
<i>k_ss_idx</i>	(Optional) Session Id
<i>broker</i>	(Optional) Kafka broker name
<i>topic</i>	(Optional) Kafka topic name

<i>kafka_msg_count</i>	(Optional) Transport Kafka msgs
<i>kafka_broker</i>	(Optional) Kafka broker name
<i>kafka_producer</i>	(Optional) Kafka producer name
<i>kafka_encoding</i>	(Optional) Kafka encoding type
<i>kafka_topic</i>	(Optional) Kafka topic
<i>kafka_status</i>	(Optional) Kafka connection status
<i>dstgrp_idx</i>	(Optional) Destination group Id
<i>ip_address</i>	(Optional) Transport IP address
<i>port</i>	(Optional) Transport port
<i>dest_info</i>	(Optional) Destination information
<i>encoding_type</i>	(Optional) Encoding type
<i>transport_type</i>	(Optional) Transport type
<i>transport_status</i>	(Optional) Transport status
<i>transport_security_cert_fname</i>	(Optional) Transport security file name
<i>transport_last_connected</i>	(Optional) Transport last connected
<i>transport_last_disconnected</i>	(Optional) Transport last disconnected
<i>transport_errors_count</i>	(Optional) Transport errors count
<i>transport_last_tx_error</i>	(Optional) Transport last tx error
<i>proxy_server_port</i>	(Optional) Proxy server and port
<i>proxy_username</i>	(Optional) Proxy username
<i>transport_statistics</i>	(Optional) Transport statistics
<i>t_session_id</i>	(Optional) Transport Session id
<i>connect_statistics</i>	(Optional) Connection statistics
<i>connect_count</i>	(Optional) Connection count
<i>last_connected</i>	(Optional) Last connected timestamp
<i>disconnect_count</i>	(Optional) Disconnect count
<i>last_disconnected</i>	(Optional) Last disconnected timestamp
<i>trans_statistics</i>	(Optional) Transport statistics
<i>compression</i>	(Optional) Compression status

<i>source_interface_name</i>	(Optional) Source interface name
<i>source_interface_ip</i>	(Optional) Source interface ip
<i>transmit_count</i>	(Optional) Transmission count
<i>last_tx_time</i>	(Optional) Last Transmission time
<i>min_tx_time</i>	(Optional) Minimum transmission time
<i>max_tx_time</i>	(Optional) Maximum transmission time
<i>avg_tx_time</i>	(Optional) Average transmission time
<i>cur_tx_time</i>	(Optional) Current transmission time
transport_errors	(Optional) Transport errors
connect_errors	(Optional) Connection errors
<i>connect_errors_count</i>	(Optional) Connection error count
trans_errors	(Optional) Transport errors
<i>trans_errors_count</i>	(Optional) Transport error count
<i>last_tx_error</i>	(Optional) Last transport error
<i>last_tx_return_code</i>	(Optional) Last transport return code
transport_retry_stats	(Optional) Retry Statistics
<i>ts_event_retry_bytes</i>	(Optional) Event Retry buffer size
<i>ts_timer_retry_bytes</i>	(Optional) Timer Retry buffer size
<i>ts_event_retry_size</i>	(Optional) Event Retry number of messages
<i>ts_timer_retry_size</i>	(Optional) Timer Retry number of messages
<i>ts_retries_sent</i>	(Optional) Number of retries sent
<i>ts_retries_dropped</i>	(Optional) Number of retries dropped
<i>event_retry_bytes</i>	(Optional) Event Retry buffer size
<i>timer_retry_bytes</i>	(Optional) Timer Retry buffer size
<i>retries_sent</i>	(Optional) Number of retries sent
<i>retries_dropped</i>	(Optional) Number of retries dropped
<i>retry_buffer_size</i>	(Optional) Retry buffer size
<i>kafka_producer_name</i>	(Optional) Kafka producer name
<i>kafka_producer_request_size</i>	(Optional) Kafka producer request size(bytes)

<i>kafka_producer_request_timeout</i>	(Optional) Kafka producer request timeout(ms)
<i>kafka_lib_version</i>	(Optional) Kafka library version

Command Mode

- /exec

show telemetry usability

```
show telemetry usability { all | environment | interface | vxlan | resources } [ __readonly__ [ {
TABLE_path_labels <label_row_idx> <label_name> <label_path_name> <label_query_type>
<label_query_condition> } ] ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
usability	Usability path information
all	show all the usability path query information
environment	show environment query information
interface	show interface query information
vxlan	show vxlan query information
resources	show system resources query information
__readonly__	(Optional)
TABLE_path_labels	(Optional) Ease of use path table
<i>label_row_idx</i>	(Optional) row index
<i>label_name</i>	(Optional) label name
<i>label_path_name</i>	(Optional) actual path configured
<i>label_query_type</i>	(Optional) query type
<i>label_query_condition</i>	(Optional) actual query condition

Command Mode

- /exec

show telemetry yang direct-path cisco-nxos-device

```
show telemetry yang direct-path cisco-nxos-device [ __readonly__ [ { TABLE_path_list <list_row_idx>
<path_name> } ] ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
yang	yang direct path information
direct-path	yang direct path information
cisco-nxos-device	show cisco nxos device direct path information
<i>__readonly__</i>	(Optional)
<i>TABLE_path_list</i>	(Optional) direct path list
<i>list_row_idx</i>	(Optional) direct path row index
<i>path_name</i>	(Optional) direct path name

Command Mode

- /exec

show telnet server

show telnet server [*__readonly__* { operation_status <*o_status*> }]

Syntax Description

show	Show running system information
telnet	Show telnet server configuration
server	Show telnet server configuration
<i>__readonly__</i>	(Optional)
operation_status	(Optional) run-time information about telnet
<i>o_status</i>	(Optional) operational status of telnet server

Command Mode

- /exec

show terminal

```
show terminal [ __readonly__ { <terminal_tty> } { <terminal_type> } { <terminal_length> } {
<terminal_width> } { <session_timeout> } { <evnt_mgr_cli_evnt_bypass> } { <redirection_mode> } {
<acc_log_all_commands> } [ <vlan_mutex_value> ] { <vlan_batch_mode> } [ <log_format> ] ]
```

Syntax Description

show	Show running system information
terminal	Display terminal configuration parameters
<i>__readonly__</i>	(Optional)
<i>terminal_tty</i>	(Optional)
<i>terminal_type</i>	(Optional)
<i>terminal_length</i>	(Optional)
<i>terminal_width</i>	(Optional)
<i>session_timeout</i>	(Optional)
<i>evnt_mgr_cli_evnt_bypass</i>	(Optional)
<i>redirection_mode</i>	(Optional)
<i>acc_log_all_commands</i>	(Optional)
<i>vlan_mutex_value</i>	(Optional)
<i>vlan_batch_mode</i>	(Optional)
<i>log_format</i>	(Optional)

Command Mode

- /exec

show terminal lock

```
show terminal lock [ __readonly__ <owner_pid> <user_name> <session> <state> [ <reason> ] [ <mdp_lock>
] <lock_acqrd_time> <lock_expiry_timeout> ]
```

Syntax Description

show	Show running system information
terminal	Display terminal configuration parameters
lock	Display the session holding the terminal lock
<i>__readonly__</i>	(Optional)
<i>owner_pid</i>	(Optional) PID of the process holding the lock
<i>user_name</i>	(Optional) User holding the lock
<i>session</i>	(Optional) Terminal holding the lock
<i>state</i>	(Optional) Status of the lock
<i>reason</i>	(Optional) Reason for the lock
<i>mdp_lock</i>	(Optional) Status of the DME lock
<i>lock_acqrd_time</i>	(Optional) Time when the lock got acquired
<i>lock_expiry_timeout</i>	(Optional) Lock expiry timeout

Command Mode

- /exec

show terminal output xml version

```
show terminal output xml version [ __readonly__ { xml_version <version> } ]
```

Syntax Description

show	Show running system information
terminal	Display
output	Display
xml	Display
version	Display
<i>__readonly__</i>	(Optional)
<i>xml_version</i>	(Optional) xml version
<i>version</i>	(Optional) version

Command Mode

- /exec

show time-range

```
show time-range [ <name> ] [ __readonly__ TABLE_timerange <timerange_name> <active> [ TABLE_seqno
<seqno> { { absolute [ <start_abs_h> <start_abs_m> <start_abs_s> <start_abs_d> <start_abs_mon>
<start_abs_y> ] [ <end_abs_h> <end_abs_m> <end_abs_s> <end_abs_d> <end_abs_mon> <end_abs_y> ]
} | { periodic { Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday | daily | weekdays |
weekend } + <start_per_h> <start_per_m> <start_per_s> [ <eday> ] <end_per_h> <end_per_m> <end_per_s>
} | { <remark> } } ] ] ]
```

Syntax Description

show	Show running system information
time-range	Define time range entries
<i>name</i>	(Optional) Time range name
<i>__readonly__</i>	(Optional)
TABLE_timerange	(Optional)
<i>timerange_name</i>	(Optional)
<i>active</i>	(Optional) active
TABLE_seqno	(Optional)
<i>seqno</i>	(Optional) Sequence number
absolute	(Optional)
periodic	(Optional)
<i>remark</i>	(Optional)
<i>start_abs_h</i>	(Optional)
<i>start_abs_m</i>	(Optional)
<i>start_abs_s</i>	(Optional)
<i>start_abs_d</i>	(Optional)
<i>start_abs_mon</i>	(Optional)
<i>start_abs_y</i>	(Optional)
<i>end_abs_h</i>	(Optional)
<i>end_abs_m</i>	(Optional)
<i>end_abs_s</i>	(Optional)
<i>end_abs_d</i>	(Optional)

<i>end_abs_mon</i>	(Optional)
<i>end_abs_y</i>	(Optional)
Monday	(Optional) Monday
Tuesday	(Optional) Tuesday
Wednesday	(Optional) Wednesday
Thursday	(Optional) Thursday
Friday	(Optional) Friday
Saturday	(Optional) Saturday
Sunday	(Optional) Sunday
daily	(Optional) Every day of the week
weekdays	(Optional) Monday thru Friday
weekend	(Optional) Saturday and Sunday
<i>start_per_h</i>	(Optional)
<i>start_per_m</i>	(Optional)
<i>start_per_s</i>	(Optional)
<i>eday</i>	(Optional) Day of the week
<i>end_per_h</i>	(Optional)
<i>end_per_m</i>	(Optional)
<i>end_per_s</i>	(Optional)

Command Mode

- /exec

show time-stamp running-config last-changed

show time-stamp running-config last-changed [*__readonly__* <*run_config_change_time*>]

Syntax Description

show	Show running system information
time-stamp	Time running-config last changed
running-config	Current operating configuration
last-changed	Running configuration last changed
<i>__readonly__</i>	(Optional) Read only
<i>run_config_change_time</i>	(Optional) Running-cfg last change timestamp

Command Mode

- /exec

show topology

show topology [vsan <i0>]

Syntax Description

show	Show running system information
topology	Show information of connected switches
vsan	(Optional) Enter VSAN
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show topology isl

show topology isl [[san-port-channel <i1>] [detail]]

Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
san-port-channel	(Optional) Specify the san-port-channel
<i>i1</i>	(Optional) san-port-channel number
detail	(Optional) Gives detailed information on isl

Command Mode

- /exec

show topology isl

```
show topology isl [ [ vsan <i0> ] [ detail ] ]
```

Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id range
detail	(Optional) Gives detailed information on isl

Command Mode

- /exec

show topology isl

show topology isl [detail]

Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
detail	(Optional) Gives detailed information on isl

Command Mode

- /exec

show trace callhome

show trace callhome

Syntax Description

show	Show XOS trace information
trace	Show logging configuration and contents of logfile
callhome	Show callhome logging configuration

Command Mode

- /exec

show track

```
show track { [ <object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list
threshold weight | list threshold percentage ] } [ dynamic ] [ __readonly__ { <show_track_start> {
TABLE_track_detail <st_obj_id> <st_obj_ms_up> <st_obj_ms_down> <st_obj_type> [ <st_obj_instance>
] <st_obj_param> <st_obj_timer_value> [ <st_obj_state> ] [ <st_obj_chg_cnt> ] [ <st_last_chg_time> ] [
<st_threshold_info> ] [ <st_track_list_obj> ] + [ <st_vrf> ] [ <st_ipsla_rcode> ] [ <st_ipsla_rtt> ] [
<show_track_clnt_hdr> ] [ <show_track_clnt_start> ] [ { TABLE_track_clnt_info <st_client_name> [
<st_client_iface> ] [ <st_client_group_id> ] [ <st_client_detail> } ] ] [ <show_track_clnt_end> ] [
<st_track_list_info> ] + <st_obj_up_delay> <st_obj_down_delay> } <show_track_end> } ]
```

Syntax Description

show	Negate a command or set its defaults
track	Tracking information
dynamic	(Optional) Entry created by client through API
<i>object-id</i>	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage
__readonly__	(Optional) Read only
<i>show_track_start</i>	(Optional) Show track start
TABLE_track_detail	(Optional) Track table detail
<i>st_obj_id</i>	(Optional) Object id

<i>st_obj_type</i>	(Optional) Object Type
<i>st_obj_ms_up</i>	(Optional) Is MS UP
<i>st_obj_ms_down</i>	(Optional) Is MS DOWN
<i>st_obj_instance</i>	(Optional) Object instance
<i>st_obj_param</i>	(Optional) Object parameter
<i>st_obj_timer_value</i>	(Optional) Current value of timer
<i>st_obj_state</i>	(Optional) Object status
<i>st_obj_chg_cnt</i>	(Optional) Count of Object state changes
<i>st_last_chg_time</i>	(Optional) Timestamp of last change
<i>st_threshold_info</i>	(Optional) Threshold Parameters
<i>st_track_list_obj</i>	(Optional) Objects part of this list
<i>st_vrf</i>	(Optional) VRF
<i>st_ipsla_rcode</i>	(Optional) IP SLA Return Code
<i>st_ipsla_rtt</i>	(Optional) IP SLA RTT
<i>show_track_clnt_hdr</i>	(Optional) Tracked by:
<i>show_track_clnt_start</i>	(Optional) Show track client start
TABLE_track_clnt_info	(Optional) Track client info
<i>st_client_name</i>	(Optional) Tracking client name
<i>st_client_iface</i>	(Optional) Tracking client interface
<i>st_client_group_id</i>	(Optional) Client group id
<i>st_client_detail</i>	(Optional) Tracking client detail
<i>show_track_clnt_end</i>	(Optional) End of track client
<i>st_track_list_info</i>	(Optional) Track list info
<i>st_obj_up_delay</i>	(Optional) Delay up notification
<i>st_obj_down_delay</i>	(Optional) Delay down notification
<i>show_track_end</i>	(Optional) End of Track

Command Mode

- /exec

show track brief

```
show track { [ <object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list
threshold weight | list threshold percentage ] } [ dynamic ] brief [ __readonly__ { <show_track_brf_start>
<show_track_brf_all_begin> { TABLE_track_brief<st_brf_obj_id><st_brf_obj_type><st_brf_obj_instance>
<st_brf_obj_param><st_brf_obj_state><st_brf_last_chg_time> } <show_track_brf_end> } ]
```

Syntax Description

show	Negate a command or set its defaults
track	Tracking information
dynamic	(Optional) Entry created by client through API
<i>object-id</i>	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage
brief	Brief output
<i>__readonly__</i>	(Optional) Read only
<i>show_track_brf_start</i>	(Optional) Show track brief start
<i>show_track_brf_all_begin</i>	(Optional) Start of all brief
TABLE_track_brief	(Optional) Track table brief
<i>st_brf_obj_id</i>	(Optional) Object id

<i>st_brf_obj_type</i>	(Optional) Object Type
<i>st_brf_obj_instance</i>	(Optional) Object instance
<i>st_brf_obj_param</i>	(Optional) Object parameter
<i>st_brf_obj_state</i>	(Optional) Object status
<i>st_brf_last_chg_time</i>	(Optional) Timestamp of last change
<i>show_track_brf_end</i>	(Optional) End of Group

Command Mode

- /exec

show troubleshoot l2 mac vlan

show troubleshoot l2 mac <mac-addr> vlan <vlan-id> [detail]

Syntax Description

show	Show running system information
troubleshoot	Display troubleshoot data dump
l2	Display l2 information
mac	MAC address
<i>mac-addr</i>	address
vlan	Vlan ID
<i>vlan-id</i>	vlan number
detail	(Optional) Print detailed debugging info for mac/interface

Command Mode

- /exec

show troubleshoot l2 port-channel

```
show troubleshoot l2 port-channel [ interface <ch-id> ]
```

Syntax Description

show	Show running system information
troubleshoot	Display troubleshoot data dump
l2	Display l2 information
port-channel	Switched Port Channel
interface	(Optional) Interface
<i>ch-id</i>	(Optional) Port-Channel name

Command Mode

- /exec

show troubleshoot l3 vrf

```
show troubleshoot l3 { ipv4 { <dip4-prefix> | <ip-prefix> } [ src-ip <sip4-prefix> ] | ipv6 { <dip6-prefix> | <ip6-prefix> } [ src-ip <sip6-prefix> ] } vrf <vrf-name>
```

Syntax Description

show	
troubleshoot	Display troubleshoot data dump
l3	Display l3 information
ipv4	Choose IPv4 address
ipv6	Choose IPv6 address
<i>dip4-prefix</i>	Display single exact match route for Destination IP
<i>ip-prefix</i>	Display single exact match route, specify prefix/mask
vrf	check routes for a specific VRF
<i>vrf-name</i>	vrf name
src-ip	(Optional) Source IP for routing hash CLI
<i>sip4-prefix</i>	(Optional) Source IPv4 address

Command Mode

- /exec

show trunk protocol

show trunk protocol [*__readonly__* <trunk_protocol_status>]

Syntax Description

show	Show running system information
trunk	Show trunk information
protocol	Show trunk protocol information
<i>__readonly__</i>	(Optional)
<i>trunk_protocol_status</i>	(Optional) trunk protocol status

Command Mode

- /exec

show ttag brief

```
show ttag brief [ __readonly__ [ TABLE_ttag <ttag-ifindex> <state> ] <ttag-end> ]
```

Syntax Description

<code>ttag</code>	enable ingress packet with ttag on this interface
<code>brief</code>	ttag port in brief list
<code>__readonly__</code>	(Optional) Read Only
<code>TABLE_ttag</code>	(Optional) ttag table
<code>ttag-ifindex</code>	(Optional) ttag ifindex
<code>state</code>	(Optional) TTAG state
<code>ttag-end</code>	(Optional) End of table

Command Mode

- /exec

show ttag brief

```
show ttag brief [ __readonly__ { TABLE_ttag <ttag-ifindex> <state> } <ttag-end> ]
```

Syntax Description

<code>ttag</code>	enable ingress packet with ttag on this interface
<code>brief</code>	ttag port in brief list
<code>__readonly__</code>	(Optional) Read Only
<code>TABLE_ttag</code>	(Optional) ttag table
<code>ttag-ifindex</code>	(Optional) ttag ifindex
<code>ttag-end</code>	(Optional) End of table
<code>state</code>	(Optional) TTAG state

Command Mode

- /exec

show tunnel-encryption info global

```
show tunnel-encryption info global [ __readonly__ { TABLE_tem_info_global <policy_mode> <sci_list>
<num_active_peers> } ]
```

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-encryption manager information
info	Show information
global	Show tunnel global information
<i>__readonly__</i>	(Optional)
<i>TABLE_tem_info_global</i>	(Optional)
<i>policy_mode</i>	(Optional) Global Policy Mode
<i>sci_list</i>	(Optional) SCI List
<i>num_active_peers</i>	(Optional) Numbers of Active Peers

Command Mode

- /exec

show tunnel-encryption policy

```
show tunnel-encryption policy [ <policy_name> ] [ __readonly__ { TABLE_tun_enc_policy <name>
<cipher_suite> <window_size> <sak-expiry-time> } ]
```

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-encryption manager information
policy	Show Tunnel-Encryption policy information
<i>policy_name</i>	(Optional) Name of Tunnel-encryption Policy
<i>__readonly__</i>	(Optional)
TABLE_tun_enc_policy	(Optional)
<i>name</i>	(Optional) Tunnel-Encryption Policy Name
<i>cipher_suite</i>	(Optional) Cipher Suite
<i>window_size</i>	(Optional) Window Size
<i>sak-expiry-time</i>	(Optional) SAK expiry on time interval

Command Mode

- /exec

show tunnel-encryption session

```
show tunnel-encryption session [ peer-ip <peer_ipaddress_v4> ] [ detail ] [ __readonly__ [ TABLE_tem_session
{ <PeerAddr> <PolicyName> <KCName> <RxStatus> <TxStatus> [ <CKN> <peersci> <rxsa_latest_an>
<rxsa_old_an> <rxsa_cs> <rxsa_winsize> <txsa_an> <txsa_cs> <txsa_ckn> <last_rx_flap> <last_tx_flap>
} ] ] ]
```

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-Encryption Manager information
session	Show session information
peer-ip	(Optional) Specify peer-address
<i>peer_ipaddress_v4</i>	(Optional) IP Address in format A.B.C.D
detail	(Optional) Show sessions detailed information
<i>__readonly__</i>	(Optional)
TABLE_tem_session	(Optional)
<i>PeerAddr</i>	(Optional) Peer-address
<i>PolicyName</i>	(Optional) Policy name for Peer
<i>KCName</i>	(Optional) KeyChain name for Peer
<i>CKN</i>	(Optional) Active CKN
<i>RxStatus</i>	(Optional) Rx Session status for Peer
<i>TxStatus</i>	(Optional) Tx Session status for Peer
<i>peersci</i>	(Optional) Peer SCI list
<i>rxsa_latest_an</i>	(Optional) RxSA Latest AN
<i>rxsa_old_an</i>	(Optional) RxSA Old AN
<i>rxsa_cs</i>	(Optional) RxSA Cipher-suite
<i>rxsa_winsize</i>	(Optional) RxSA Replay Window-size
<i>txsa_an</i>	(Optional) TxSA AN
<i>txsa_cs</i>	(Optional) TxSA Cipher-Suite
<i>txsa_ckn</i>	(Optional) TxSA CKN
<i>last_rx_flap</i>	(Optional) Last Rx session flap time

<i>last_tx_flap</i>	(Optional) Last Tx session flap time
---------------------	--------------------------------------

Command Mode

- /exec

show tunnel-encryption statistics

```
show tunnel-encryption statistics [ peer-ip <peer_ipaddress_v4> ] [ __readonly__ [ TABLE_statistics
<PeerAddr> [ TABLE_rx_sa_an <rx_sa_an> [ <in_pkts_unchecked> ] [ <in_pkts_delayed> ] [ <in_pkts_late>
] [ <in_pkts_ok> ] [ <in_pkts_invalid> ] [ <in_pkts_not_valid> ] [ <in_pkts_not_using_sa> ] [
<in_pkts_unused_sa> ] [ <in_pkts_decrypted> ] [ <in_octets_decrypted> ] [ <in_octets_validated> ] ] [
TABLE_tx_sa_an <tx_sa_an> [ <out_pkts_encrypted_protected> ] [ <out_pkts_too_long> ] [
<out_pkts_untagged> ] [ <out_octets_encrypted_protected> ] ] ] ]
```

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-Encryption Manager information
statistics	Show Tunnel-Encryption statistics
peer-ip	(Optional) Specify peer-address
<i>peer_ipaddress_v4</i>	(Optional) IP Address in format A.B.C.D
<i>__readonly__</i>	(Optional)
TABLE_statistics	(Optional) Tunnel-Encryption secy statistics
<i>PeerAddr</i>	(Optional) Peer-address
TABLE_rx_sa_an	(Optional) Tunnel-Encryption RxSA statistics
<i>rx_sa_an</i>	(Optional) Rx SA AN
<i>in_pkts_unchecked</i>	(Optional) In Pkts Unchecked
<i>in_pkts_delayed</i>	(Optional) In Pkts Delayed
<i>in_pkts_late</i>	(Optional) In Pkts Late
<i>in_pkts_ok</i>	(Optional) In Pkts OK
<i>in_pkts_invalid</i>	(Optional) In Pkts Invalid
<i>in_pkts_not_valid</i>	(Optional) In Pkts not Valid
<i>in_pkts_not_using_sa</i>	(Optional) In Pkts not using SA
<i>in_pkts_unused_sa</i>	(Optional) In Pkts Unused SA
<i>in_pkts_decrypted</i>	(Optional) In Pkts Decrypted
<i>in_octets_decrypted</i>	(Optional) In Octets Decrypted
<i>in_octets_validated</i>	(Optional) In Octets Validated
TABLE_tx_sa_an	(Optional) Tunnel-Encryption TxSA statistics

<i>tx_sa_an</i>	(Optional) Tx SA AN
<i>out_pkts_encrypted_protected</i>	(Optional) Out Pkts Encrypted Protected
<i>out_pkts_too_long</i>	(Optional) Out Pkts too Long
<i>out_pkts_untagged</i>	(Optional) Out Pkts SA not in use
<i>out_octets_encrypted_protected</i>	(Optional) Out octets Encrypted Protected

Command Mode

- /exec

show tunnel-profile

```
show tunnel-profile [ <profile-name> ] [ __readonly__ [ TABLE_tunnel <profile-name> <encap-type> <status>
[ <num_of_routes> <num_of_err_routes> <num_of_policies> <src-vtep> <src-intf> ] [ [ <destination> ] [
<erspan-sess-all> ] [ <erspan-sess-id> ] <num_of_terminate_intf> <terminate_intf> ] ] ]
```

Syntax Description

show	Show running system information
tunnel-profile	Tunnel Profile
<i>profile-name</i>	(Optional) Name of the Tunnel Profile
<i>__readonly__</i>	(Optional)
TABLE_tunnel	(Optional) Tunnel profile Table
<i>profile-name</i>	(Optional) Tunnel profile name
<i>num_of_routes</i>	(Optional) number of static routes
<i>num_of_err_routes</i>	(Optional) number of tunnel routes in error
<i>encap-type</i>	(Optional) Encap type of the profile
<i>status</i>	(Optional) Tunnel profile status
<i>num_of_policies</i>	(Optional) number of flow policies
<i>src-vtep</i>	(Optional) Source VTEP IP
<i>src-intf</i>	(Optional) Source Interface
<i>destination</i>	(Optional) Destination
<i>erspan-sess-all</i>	(Optional) ERSPAN Session ID all
<i>erspan-sess-id</i>	(Optional) ERSPAN Session ID
<i>num_of_terminate_intf</i>	(Optional) number of terminate interfaces
<i>terminate_intf</i>	(Optional) terminate interfaces

Command Mode

- /exec



U Show Commands

- [show uddl, on page 3474](#)
- [show uddl global, on page 3476](#)
- [show uddl neighbors, on page 3477](#)
- [show upgrade history, on page 3478](#)
- [show upgrade history details, on page 3479](#)
- [show user-account, on page 3480](#)
- [show username keypair, on page 3481](#)
- [show username passphrase timevalues, on page 3482](#)
- [show userpassphrase, on page 3483](#)
- [show userpassphrase, on page 3484](#)
- [show userpassphrase sequence alphabet length, on page 3485](#)
- [show userpassphrase sequence keyboard length, on page 3486](#)
- [show users, on page 3487](#)

show uddld

```
show uddld [ <if0> ] [ __readonly__ TABLE_interface <interface> <mib-port-status> <mib-oper-status>
<mib-aggressive-mode> <admin-port-mode> <operational-port-mode> <current-bidirectional-state>
<current-operational-state> <no-multiple-neighbor-detected> <message-interval> <timeout-interval>
TABLE_entry [ <entry-number> ] [ <expiration-time> ] [ <device-id> ] [ <neighbor-state> ] [ <device-name>
] [ <port-id> ] [ <neighbor-echo-device-number> ] [ <neighbor-echo-device-name> ] [
<neighbor-echo-port-number> ] [ <neighbor-echo-port-id> ] [ <neighbor-message-interval> ] [
<neighbor-timeout-interval> ] [ <cdp-device-name> ] [ <pkt-xmt-rec-time> ] + [ <pc-index> ] ]
```

Syntax Description

show	Show running system information
uddld	UDLD status and configuration on one or all interfaces
<i>if0</i>	(Optional) Enter an interface name if only one single interface status is desired
<i>__readonly__</i>	(Optional)
TABLE_interface	(Optional)
<i>interface</i>	(Optional) Interface ID
<i>mib-port-status</i>	(Optional) Port MIB enable status
<i>mib-oper-status</i>	(Optional) Port MIB Operational status
<i>mib-aggressive-mode</i>	(Optional) Port MIB aggressive mode
<i>admin-port-mode</i>	(Optional) Port enable administration configuration setting
<i>operational-port-mode</i>	(Optional) Port enable operational state
<i>current-bidirectional-state</i>	(Optional) Current bidirectional state
<i>current-operational-state</i>	(Optional) Current operational state
<i>no-multiple-neighbor-detected</i>	(Optional) No multiple neighbor detected
<i>message-interval</i>	(Optional) UDLD probe message interval
<i>timeout-interval</i>	(Optional) UDLD detection timeout interval
TABLE_entry	(Optional) Neighbor entry info
<i>entry-number</i>	(Optional) Neighbor entry number
<i>expiration-time</i>	(Optional) Expiration time
<i>device-id</i>	(Optional) Device ID
<i>neighbor-state</i>	(Optional) Current neighbor state

<i>device-name</i>	(Optional) Device name
<i>port-id</i>	(Optional) Port ID
<i>neighbor-echo-device-number</i>	(Optional) Echo device number
<i>neighbor-echo-device-name</i>	(Optional) Echo device name
<i>neighbor-echo-port-number</i>	(Optional) Echo port number
<i>neighbor-echo-port-id</i>	(Optional) Echo port ID
<i>neighbor-message-interval</i>	(Optional) UDLD probe message interval
<i>neighbor-timeout-interval</i>	(Optional) UDLD detection timeout interval
<i>cdp-device-name</i>	(Optional) CDP Device name
<i>pkt-xmt-rec-time</i>	(Optional) Last UDLD packet send/recv time
<i>pc-index</i>	(Optional) Port channel index

Command Mode

- /exec

show udd global

show udd global [__readonly__ <udd-global-mode> <message-interval>]

Syntax Description

show	Show running system information
udd	UDLD protocol
global	UDLD global status and configuration on all interfaces
__readonly__	(Optional)
<i>udd-global-mode</i>	(Optional) UDLD global configuration setting
<i>message-interval</i>	(Optional) UDLD probe message interval

Command Mode

- /exec

show udd neighbors

show udd neighbors [*__readonly__* *TABLE_entry* <local-port-id> <neighbor-echo-device-name> <device-id> <neighbor-echo-port-id> <neighbor-state>]

Syntax Description

show	Show running system information
udd	UDLD protocol
neighbors	UDLD neighbor interfaces
<i>__readonly__</i>	(Optional)
<i>TABLE_entry</i>	(Optional)
<i>local-port-id</i>	(Optional) Local port ID
<i>neighbor-echo-device-name</i>	(Optional) Echo device name
<i>device-id</i>	(Optional) Device ID
<i>neighbor-echo-port-id</i>	(Optional) Echo port ID
<i>neighbor-state</i>	(Optional) Current neighbor state

Command Mode

- /exec

show upgrade history

```
show upgrade history [ __readonly__ { [ TABLE_installHistory <installHistoryStr> ] } ]
```

Syntax Description

show	Show running system information
upgrade	Show the upgrade history
history	Show the upgrade history of software and firmware
__readonly__	(Optional)
TABLE_installHistory	(Optional) Upgrade History table
<i>installHistoryStr</i>	(Optional)

Command Mode

- /exec

show upgrade history details

```
show upgrade history details [ __readonly__ { [ TABLE_installHistoryDetails <installHistoryDetailsStr> ] } ]
```

Syntax Description

show	Show running system information
upgrade	Show the upgrade history
history	Show the upgrade history of software and firmware
details	Show the upgrade history details
__readonly__	(Optional)
TABLE_installHistoryDetails	(Optional) Upgrade History Details Table
<i>installHistoryDetailsStr</i>	(Optional)

Command Mode

- /exec

show user-account

```
show user-account [ <s0> ] [ __readonly__ TABLE_template <usr_name> [ <expire_date> ] { TABLE_role
<role> } [ <remote_login> ] [ <sshkey_info> ] { [ TABLE_keys <ssh_keys> ] } ]
```

Syntax Description

show	Show running system information
TABLE_template	(Optional)
TABLE_role	(Optional)
TABLE_keys	(Optional)
__readonly__	(Optional)
<i>usr_name</i>	(Optional) Name of the user
<i>expire_date</i>	(Optional) Expiry date for this user account(in YYYY-MM-DD format)
<i>role</i>	(Optional) role/s which the user is to be assigned to
<i>remote_login</i>	(Optional) Remote account information for a remote user
<i>sshkey_info</i>	(Optional) SSH key information of user
<i>ssh_keys</i>	(Optional) SSH key pairs of the user
user-account	Show user information
<i>s0</i>	(Optional) User name

Command Mode

- /exec

show username keypair

```
show username <s0> keypair [ __readonly__ { TABLE_sessions <t_type> <t_time> <t_keys> <t_bitcount>
<t_fingerprint> } ]
```

Syntax Description

show	Show running system information
username	Show user information.
keypair	Show SSH keypairs
<i>s0</i>	user name
__readonly__	(Optional)
TABLE_sessions	(Optional) username keypair
<i>t_type</i>	(Optional) keys type
<i>t_time</i>	(Optional) timestamp
<i>t_keys</i>	(Optional) ssh key
<i>t_bitcount</i>	(Optional) bitcount
<i>t_fingerprint</i>	(Optional) fingerprint

Command Mode

- /exec

show username passphrase timevalues

```
show username <username> passphrase timevalues [ __readonly__ [ [ <tvalue> ] ] [ <last_passphrase_change> ] [ <def_ltime> ] [ <def_wrrtime> ] [ <def_gtime> ] ]
```

Syntax Description

show	Show running system information
username	Configure user information.
<i>username</i>	user name
passphrase	user passphrase
timevalues	passphrase lifetime, warningtime and gracetime
<i>__readonly__</i>	(Optional)
<i>tvalue</i>	(Optional) Absolute time values of the Passphrase
<i>last_passphrase_change</i>	(Optional) absolute last passphrase change date
<i>def_ltime</i>	(Optional) Absolute life time value of the passphrase
<i>def_wrrtime</i>	(Optional) Absolute warning time value of the Passphrase
<i>def_gtime</i>	(Optional) Absolute Grace time value of the Passphrase

Command Mode

- /exec

show userpassphrase

```
show userpassphrase { default-lifetime | default-warntime | default-gracetime | timevalues } [ __readonly__
[ <def_wrntime> ] [ <def_gtime> ] [ <def_ltime> ] ]
```

Syntax Description

show	Show running system information
userpassphrase	user passphrase
default-lifetime	passphrase default lifetime
default-warntime	passphrase default warningtime
default-gracetime	passphrase default gracetime
timevalues	passphrase lifetime, warning time and gracetime
__readonly__	(Optional)
<i>def_wrntime</i>	(Optional) Absolute warning time value of the Passphrase
<i>def_gtime</i>	(Optional) Absolute Grace time value of the Passphrase
<i>def_ltime</i>	(Optional) Absolute life time value of the passphrase

Command Mode

- /exec

show userpassphrase

```
show userpassphrase { min-length | max-length | length } [ __readonly__ [ <min_length> ] [ <max_length> ] ]
```

Syntax Description

show	Show running system information
userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
length	passphrase min and max length
<i>__readonly__</i>	(Optional)
<i>min_length</i>	(Optional) Absolute value of the Minimum length
<i>max_length</i>	(Optional) Absolute value of max length

Command Mode

- /exec

show userpassphrase sequence alphabet length

show userpassphrase sequence alphabet length [*__readonly__* [*<max_alphabet_length>*]]

Syntax Description

show	Show running system information
userpassphrase	user passphrase
sequence	Control character sequences in passphrases
alphabet	Control runs of sequential alphabetical characters
length	Maximum number of sequential characters
<i>__readonly__</i>	(Optional)
<i>max_alphabet_length</i>	(Optional) Absolute value of alphabetic sequence

Command Mode

- /exec

show userpassphrase sequence keyboard length

show userpassphrase sequence keyboard length [*__readonly__* [*<max_keyboard_length>*]]

Syntax Description

show	Show running system information
userpassphrase	user passphrase
sequence	Control character sequences in passphrases
keyboard	Control runs of sequential keyboard characters
length	passphrase min and max length
<i>__readonly__</i>	(Optional)
<i>max_keyboard_length</i>	(Optional) Absolute value of keyboard sequence

Command Mode

- /exec

show users

```
show users [ __readonly__ { TABLE_sessions <u_name> <t_terminal> <t_time> <t_idle> <p_pid>
<c_comment> } ]
```

Syntax Description

show	Show running system information
users	Show the current users logged in the system
__readonly__	(Optional)
TABLE_sessions	(Optional) users table
<i>u_name</i>	(Optional) user name
<i>t_terminal</i>	(Optional) terminal
<i>t_time</i>	(Optional) time
<i>t_idle</i>	(Optional) idle
<i>p_pid</i>	(Optional) pid
<i>c_comment</i>	(Optional) comment

Command Mode

- /exec



V Show Commands

- [show vdc](#), on page 3491
- [show vdc current-vdc](#), on page 3493
- [show vdc fcoe-vlan-range](#), on page 3494
- [show vdc resource](#), on page 3495
- [show vdc resource](#), on page 3496
- [show vdc resource template](#), on page 3497
- [show version](#), on page 3498
- [show version epld](#), on page 3501
- [show version image](#), on page 3502
- [show version module](#), on page 3503
- [show version module epld](#), on page 3504
- [show virtual-service](#), on page 3506
- [show virtual-service storage pool list](#), on page 3509
- [show virtual-service tech-support](#), on page 3510
- [show virtual-service utilization name](#), on page 3511
- [show virtual-service version](#), on page 3512
- [show vlan](#), on page 3513
- [show vlan access-list](#), on page 3515
- [show vlan access-map](#), on page 3519
- [show vlan all-ports](#), on page 3520
- [show vlan counters](#), on page 3521
- [show vlan dot1Q tag native](#), on page 3522
- [show vlan fcoe](#), on page 3523
- [show vlan filter](#), on page 3524
- [show vlan id](#), on page 3525
- [show vlan id counters](#), on page 3527
- [show vlan id vn-segment](#), on page 3529
- [show vlan name](#), on page 3530
- [show vlan private-vlan](#), on page 3532
- [show vlan private-vlan type](#), on page 3533
- [show vlan xbrief](#), on page 3534
- [show vlan xsummary](#), on page 3535
- [show vmtracker](#), on page 3536

- [show vmtracker certificate](#), on page 3538
- [show vmtracker fabric auto-config](#), on page 3539
- [show vmtracker status](#), on page 3540
- [show vpc](#), on page 3541
- [show vpc](#), on page 3544
- [show vpc consistency-parameters](#), on page 3545
- [show vpc consistency-parameters vlans](#), on page 3546
- [show vpc fabric-ports](#), on page 3547
- [show vpc orphan-ports](#), on page 3548
- [show vpc peer-keepalive](#), on page 3549
- [show vpc role](#), on page 3550
- [show vpc statistics peer-keepalive](#), on page 3551
- [show vpc statistics vpc](#), on page 3552
- [show vpc virtual-peerlink dest reachable](#), on page 3553
- [show vpc virtual-peerlink vlan consistency](#), on page 3554
- [show vrf](#), on page 3555
- [show vrf](#), on page 3556
- [show vrrp](#), on page 3558
- [show vrrp bfd-sessions](#), on page 3561
- [show vrrpv3](#), on page 3562
- [show vrrs client](#), on page 3566
- [show vrrs pathway](#), on page 3567
- [show vrrs server](#), on page 3568
- [show vrrs tag](#), on page 3569
- [show vsan](#), on page 3570
- [show vsan membership](#), on page 3571
- [show vsan membership interface](#), on page 3572
- [show vsan usage](#), on page 3573
- [show vtp counters](#), on page 3574
- [show vtp interface](#), on page 3575
- [show vtp password](#), on page 3576
- [show vtp status](#), on page 3577

show vdc

```
{ show vdc [ <e-vdc2> ] [ feature-set | detail | membership [ all | status | module <module> ] | shared membership
] [ __readonly__ [ detail2 ] [ <swmode> ] { TABLE_vdc <vdc_id> <vdc_name> <state> <mac> <hap> <sw>
<boot_order> [ <prio> <prio_per> ] [ <create_time> ] [ <reload_count> ] [ <restart_count> ] [ <restart_time>
] [ <restart_reason> ] <vtype> <lc-support> [ TABLE_fs <fs_id> <fs_name> ] [ TABLE_port <port-list> ]
} ] }
```

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
<i>e-vdc2</i>	(Optional) Enter Virtual Device Context <vdc-id>
detail	(Optional) Show detailed vdc information
membership	(Optional) Show vdc interface membership information
shared	(Optional) Show the shared interfaces in a vdc
membership	(Optional) Show the shared interfaces in a vdc
module	(Optional) Show vdc interface membership information for a specific module only
<i>module</i>	(Optional) Show vdc interface membership information for a specific module only
status	(Optional) Show vdc related port-status
feature-set	(Optional) Show vdc feature-set information
all	(Optional) Show offline modules as well
<u>__readonly__</u>	(Optional) Read Only
detail2	(Optional)
<i>swmode</i>	(Optional)
TABLE_vdc	(Optional)
<i>vdc_id</i>	(Optional) vdc-id
TABLE_port	(Optional)
<i>port-list</i>	(Optional) port membership for VDC
<i>vdc_name</i>	(Optional) vdc-name
<i>state</i>	(Optional) state
<i>mac</i>	(Optional) mac address for VDC

<i>hap</i>	(Optional) hap policy
<i>sw</i>	(Optional) sw policy
<i>vtype</i>	(Optional)
<i>lc-support</i>	(Optional)
<i>create_time</i>	(Optional)
<i>reload_count</i>	(Optional)
<i>restart_count</i>	(Optional)
<i>restart_time</i>	(Optional)
<i>restart_reason</i>	(Optional)
TABLE_fs	(Optional)
<i>fs_id</i>	(Optional) fs id
<i>fs_name</i>	(Optional)
<i>boot_order</i>	(Optional)
<i>prio</i>	(Optional)
<i>prio_per</i>	(Optional)

Command Mode

- /exec

show vdc current-vdc

show vdc current-vdc [__readonly__ <mode> <name>]

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
current-vdc	Show which vdc you are currently in
__readonly__	(Optional) Read Only
<i>mode</i>	(Optional) cli mode
<i>name</i>	(Optional) vdc name

Command Mode

- /exec

show vdc fcoe-vlan-range

```
show vdc fcoe-vlan-range [ __readonly__ <fcoe-vdc> [ <fcoe-vlans> ] [ <sharing-vdcs> ] ]
```

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
fcoe-vlan-range	vlans reserved for FCoE
__readonly__	(Optional) Read Only
<i>fcoe-vdc</i>	(Optional)
<i>sharing-vdcs</i>	(Optional)
<i>fcoe-vlans</i>	(Optional)

Command Mode

- /exec

show vdc resource

```
show vdc <id> resource [ <res-mgr-res-known-name> ] [ __readonly__ { TABLE_vdc_resource_single_vdc
<res_name> <min> <max> <used> <unused> <free> } ]
```

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
<i>id</i>	Enter Virtual Device Context <vdc-id>
resource	Show resource configuration for VDC
<i>res-mgr-res-known-name</i>	(Optional) Resource name
<i>__readonly__</i>	(Optional) Read Only
<i>res_name</i>	(Optional) Resource Name
<i>min</i>	(Optional) Resource min configuration
<i>max</i>	(Optional) Resource max configuration
<i>used</i>	(Optional) Resource current usage for this VDC
<i>unused</i>	(Optional) Resource reserved for this VDC but currently not used
<i>free</i>	(Optional) Resource current free for this VDC
TABLE_vdc_resource_single_vdc	(Optional)

Command Mode

- /exec

show vdc resource

```
show vdc resource [ <res-mgr-res-known-name> ] [ detail | hidden-too | with-flags ] + [ __readonly__ {
TABLE_resource <resource_name> <total_used> <total_unused> <total_free> <total_avail> <total> [
TABLE_vdc_resource_across_vdcs <vdc_name> <min> <max> <used> <unused> <free> } } ]
```

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
resource	Show resource configuration across VDCs
<i>res-mgr-res-known-name</i>	(Optional) Resource name
detail	(Optional) Show detail resource configuration
hidden-too	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
with-flags	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional) Read Only
TABLE_resource	(Optional)
<i>resource_name</i>	(Optional) Resource Name
<i>total_used</i>	(Optional) Resource current usage for all VDC
<i>total_unused</i>	(Optional) Resources currently reserved but not used across all VDC
<i>total_free</i>	(Optional) Resource current free for all VDC
<i>total_avail</i>	(Optional) Resource current available across all VDC
<i>total</i>	(Optional) Resources grand total
TABLE_vdc_resource_across_vdcs	(Optional)
<i>vdc_name</i>	(Optional) VDC name
<i>min</i>	(Optional) Resource min configuration
<i>max</i>	(Optional) Resource max configuration
<i>used</i>	(Optional) Resource current usage for this VDC
<i>unused</i>	(Optional) Resource reserved for this VDC but currently not used
<i>free</i>	(Optional) Resource current free for this VDC

Command Mode

- /exec

show vdc resource template

```
show vdc resource template [ <res-mgr-template-known-name-all> ] [ __readonly__ TABLE_template
<template_name> { TABLE_resource <resource_name> <min> <max> } ]
```

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
resource	Show resource configuration for VDC
template	Resource template configuration
<i>res-mgr-template-known-name-all</i>	(Optional) Resource template name
<i>__readonly__</i>	(Optional) Read Only
TABLE_template	(Optional)
<i>template_name</i>	(Optional) Resource Template Name
TABLE_resource	(Optional)
<i>resource_name</i>	(Optional) Resource Name
<i>min</i>	(Optional) Resource min configuration
<i>max</i>	(Optional) Resource max configuration

Command Mode

- /exec

show version

```
show version [ __readonly__ <header_str> <bios_ver_str> [ <epld_ver_str> ] [ <loader_ver_str> ]
<kickstart_ver_str> <release_type> <nxos_ver_str> [ <host_nxos_ver_str> ] [ <sys_ver_str> ]
<bios_cmpl_time> <kick_file_name> <nxos_file_name> <kick_cmpl_time> <nxos_cmpl_time>
<kick_tmstamp> <nxos_tmstamp> [ <isan_file_name> ] [ <isan_cmpl_time> ] [ <isan_tmstamp> ] [
<boot_lxc_mode> ] <chassis_id> [ <module_id> ] <cpu_name> <memory> <mem_type> <proc_board_id>
<host_name> <bootflash_size> [ <slot0_size> ] [ <slot1_size> ] <kern_uptm_days> <kern_uptm_hrs>
<kern_uptm_mins> <kern_uptm_secs> [ <rr_usec> ] [ <rr_ctime> ] <rr_reason> <rr_sys_ver> <rr_service>
<plugins> <manufacturer> [ TABLE_smu_list <install_smu_id> + ] [ TABLE_package_list <package_id>
+ ] ]
```

Syntax Description

show	
version	Show the software version
<i>__readonly__</i>	(Optional)
<i>header_str</i>	(Optional)
<i>bios_ver_str</i>	(Optional)
<i>epld_ver_str</i>	(Optional)
<i>loader_ver_str</i>	(Optional)
<i>kickstart_ver_str</i>	(Optional)
<i>nxos_ver_str</i>	(Optional)
<i>host_nxos_ver_str</i>	(Optional)
<i>release_type</i>	(Optional)
<i>sys_ver_str</i>	(Optional)
<i>bios_cmpl_time</i>	(Optional)
<i>kick_file_name</i>	(Optional)
<i>nxos_file_name</i>	(Optional)
<i>kick_cmpl_time</i>	(Optional)
<i>nxos_cmpl_time</i>	(Optional)
<i>kick_tmstamp</i>	(Optional)
<i>nxos_tmstamp</i>	(Optional)
<i>isan_file_name</i>	(Optional)

<i>isan_cmpl_time</i>	(Optional)
<i>isan_tmstamp</i>	(Optional)
<i>boot_lxc_mode</i>	(Optional)
<i>chassis_id</i>	(Optional)
<i>module_id</i>	(Optional)
<i>cpu_name</i>	(Optional)
<i>memory</i>	(Optional)
<i>mem_type</i>	(Optional)
<i>proc_board_id</i>	(Optional)
<i>host_name</i>	(Optional)
<i>bootflash_size</i>	(Optional)
<i>slot0_size</i>	(Optional)
<i>slot1_size</i>	(Optional)
<i>kern_uptm_days</i>	(Optional)
<i>kern_uptm_hrs</i>	(Optional)
<i>kern_uptm_mins</i>	(Optional)
<i>kern_uptm_secs</i>	(Optional)
<i>rr_usecs</i>	(Optional)
<i>rr_ctime</i>	(Optional)
<i>rr_reason</i>	(Optional)
<i>rr_sys_ver</i>	(Optional)
<i>rr_service</i>	(Optional)
<i>plugins</i>	(Optional)
<i>manufacturer</i>	(Optional)
TABLE_smu_list	(Optional)
<i>install_smu_id</i>	(Optional)
TABLE_package_list	(Optional)
<i>package_id</i>	(Optional) Package name

Command Mode

- /exec

show version epld

```
show version epld <uri0> [ __readonly__ <image-info> [ { TABLE_module_info <module-type> <model>
<epld-device> <version> } ] ]
```

Syntax Description

show	Show running system information
version	Show the software version
epld	Show EPLD versions available in EPLD image
<i>uri0</i>	Local URI containing EPLD Image
<i>__readonly__</i>	(Optional)
<i>image-info</i>	(Optional) image file info
TABLE_module_info	(Optional)
<i>module-type</i>	(Optional) module type
<i>model</i>	(Optional) model
<i>epld-device</i>	(Optional) epld device
<i>version</i>	(Optional) version

Command Mode

- /exec

show version image

```
show version image <uri0> [ __readonly__ <md5_str> <img_file_name> [ <bios_ver_str> ] <sys_ver_str>
<img_cmpl_time> [ <img_tmstamp> ] ]
```

Syntax Description

show	Show running system information
version	Show the software version
image	Show the software version of a given image
<i>uri0</i>	Enter URI
<i>__readonly__</i>	(Optional)
<i>md5_str</i>	(Optional)
<i>img_file_name</i>	(Optional)
<i>bios_ver_str</i>	(Optional)
<i>sys_ver_str</i>	(Optional)
<i>img_cmpl_time</i>	(Optional)
<i>img_tmstamp</i>	(Optional)

Command Mode

- /exec

show version module

```
show version module <module> [ __readonly__ { TABLE_version <slot> <type> <sw> <interim> <bios> } ]
```

Syntax Description

<code>show</code>	Show running system information
<code>version</code>	Show the software version
<code>module</code>	Show the software version of a Module
<i>module</i>	Enter module number
<code>__readonly__</code>	(Optional)
<code>TABLE_version</code>	(Optional) Show version info
<i>slot</i>	(Optional) Slot
<i>type</i>	(Optional) image type
<i>sw</i>	(Optional) SW version
<i>interim</i>	(Optional) SW interim version
<i>bios</i>	(Optional) BIOS version

Command Mode

- /exec

show version module epld

```
show version module <module> epld [ __readonly__ { [ <header_info> ] [ <module> ] [ <mi_iofpga> <version> ] [ <io_fpga> <version> ] [ <mi_iofpga2> <version> ] [ <mi_iofpga3> <version> ] [ <mi_iofpga4> <version> ] [ <mi_iofpga5> <version> ] [ <mi_iofpga6> <version> ] [ <mi_iofpga7> <version> ] [ <mi_iofpga8> <version> ] [ <mi_iofpga9> <version> ] [ <mi_iofpga10> <version> ] [ <cpu_iofpga> <version> ] [ <db_fpga> <version> ] } ]
```

Syntax Description

show	Show running system information
version	Show the software version
module	Show the software version of a Module
<i>module</i>	Enter module number
epld	Show a module's current EPLD versions
<u>__readonly__</u>	(Optional)
<i>header_info</i>	(Optional)
<i>module</i>	(Optional)
<i>mi_iofpga</i>	(Optional)
<i>io_fpga</i>	(Optional)
<i>mi_iofpga2</i>	(Optional)
<i>mi_iofpga3</i>	(Optional)
<i>mi_iofpga4</i>	(Optional)
<i>mi_iofpga5</i>	(Optional)
<i>mi_iofpga6</i>	(Optional)
<i>mi_iofpga7</i>	(Optional)
<i>mi_iofpga8</i>	(Optional)
<i>mi_iofpga9</i>	(Optional)
<i>mi_iofpga10</i>	(Optional)
<i>cpu_iofpga</i>	(Optional)
<i>db_fpga</i>	(Optional)
<i>version</i>	(Optional)

Command Mode

- /exec

show virtual-service

```
show virtual-service [ { list } | { global } | { detail [ name <virt_serv_name> ] } | { core [ name
<virt_serv_name_core> ] } ] [ __readonly__ [ <infrastructure_major_version> <infrastructure_minor_version>
<total_virtual_services_installed> <total_virtual_services_activated> <machine_types_supported>
<machine_types_disabled> <maximum_vcpus_per_virtual_service> TABLE_resource_limits <media_name>
<quota> <committed> <available> ] [ TABLE_list <name> <status> <package_name> ] [ TABLE_detail
<name> <state> <package_name> <ova_path> <application_name> <application_version>
<application_description> <key_type> <signing_method> <licensing_name> <licensing_version>
<disk_reservation> <memory_reservation> <cpu_reservation> TABLE_attached_devices <type> <name>
<alias> ] [ TABLE_core <name> <name_core> ] ]
```

Syntax Description

show	Show running system information
virtual-service	Display virtualization service information
global	(Optional) Virtual service global information
list	(Optional) List virtual services
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
core	(Optional) Core information
name	(Optional) Information for a specific virtual service
<i>virt_serv_name</i>	(Optional) Name of a virtual service
<i>virt_serv_name_core</i>	(Optional) Name of a virtual service
<i>__readonly__</i>	(Optional) Read Only
<i>infrastructure_major_version</i>	(Optional) Infrastructure major version
<i>infrastructure_minor_version</i>	(Optional) Infrastructure minor version
<i>total_virtual_services_installed</i>	(Optional) Total virtual services installed
<i>total_virtual_services_activated</i>	(Optional) Total virtual services activated
<i>maximum_vcpus_per_virtual_service</i>	(Optional) Maximum VCPUs per virtual service
<i>machine_types_supported</i>	(Optional) Machine types supported
<i>machine_types_disabled</i>	(Optional) Machine types disabled
TABLE_resource_limits	(Optional) Virtual service global resource limits
<i>media_name</i>	(Optional) Resource name
<i>quota</i>	(Optional) Resource Virtualization quota

<i>committed</i>	(Optional) Resource Virtualization committed
<i>available</i>	(Optional) Resource Virtualization available
TABLE_list	(Optional) Virtual service list table
<i>name</i>	(Optional) Virtual service name
<i>status</i>	(Optional) Virtual service status
<i>package_name</i>	(Optional) Virtual service package name
TABLE_detail	(Optional) Virtual service detail table
<i>name</i>	(Optional) Virtual service name
<i>package_name</i>	(Optional) Virtual service package name
<i>application_name</i>	(Optional) Name of the application
<i>application_version</i>	(Optional) Version of the application
<i>application_description</i>	(Optional) Description of the application
<i>key_type</i>	(Optional) Virtual service key type
<i>signing_method</i>	(Optional) Method used to sign the package
<i>licensing_name</i>	(Optional) Name of the license
<i>licensing_version</i>	(Optional) Version of the license
<i>ova_path</i>	(Optional) Virtual service OVA path
<i>state</i>	(Optional) Virtual service state
<i>disk_reservation</i>	(Optional) Virtual service disk reservation
<i>memory_reservation</i>	(Optional) Virtual service memory reservation
<i>cpu_reservation</i>	(Optional) Virtual service CPU reservation
TABLE_attached_devices	(Optional) Attached devices table
<i>type</i>	(Optional) Type of the attached device
<i>name</i>	(Optional) Name of the attached device
<i>alias</i>	(Optional) Alias for the attached device
TABLE_core	(Optional) Virtual service core table
<i>name</i>	(Optional) Virtual service name
<i>name_core</i>	(Optional) Name of core

Command Mode

- /exec

show virtual-service storage pool list

```
show virtual-service storage pool list [ __readonly__ [ TABLE_storage <pool_name> <pool_type> <pool_path> ] ]
```

Syntax Description

show	Show running system information
virtual-service	Display virtualization service storage pool information
storage	Storage information about virtual service
pool	Storage pool information about virtual service
list	List storage pool for virtual service
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_storage</i>	(Optional) Virtual service storage pool list table
<i>pool_name</i>	(Optional) Virtual service storage pool name
<i>pool_type</i>	(Optional) Virtual service storage pool type
<i>pool_path</i>	(Optional) Virtual service storage pool path

Command Mode

- /exec

show virtual-service tech-support

show virtual-service tech-support

Syntax Description

show	Show running system information
virtual-service	Gather information for virtualization services trouble shooting
tech-support	Gather information for trouble shooting

Command Mode

- /exec

show virtual-service utilization name

```
show virtual-service utilization name <virt_serv_name> [ __readonly__ [ TABLE_cpu <request> <actual>
<state> ] [ TABLE_memory <allocation> <used> ] [ TABLE_storage <name> <alias> <capacity> <used>
<available> <usage> ] ]
```

Syntax Description

show	Show running system information
virtual-service	Display virtualization service utilization information
utilization	Utilization information about virtual service
name	Utilization of a virtual service
<i>virt_serv_name</i>	Name of a virtual service
<i>__readonly__</i>	(Optional) Read Only
TABLE_storage	(Optional) Virtual service storage utilization
<i>name</i>	(Optional) storage device name
<i>alias</i>	(Optional) storage device alias
<i>capacity</i>	(Optional) Capacity 1k blocks
<i>used</i>	(Optional) Used 1k blocks
<i>available</i>	(Optional) Available 1k blocks
<i>usage</i>	(Optional) Usage
TABLE_memory	(Optional) Virtual service memory utilization
<i>allocation</i>	(Optional) Memory allocation
<i>used</i>	(Optional) Memory used
TABLE_cpu	(Optional) Virtual service cpu utilization
<i>request</i>	(Optional) Requested Application Utilization
<i>actual</i>	(Optional) Actual Application Utilization
<i>state</i>	(Optional) CPU state

Command Mode

- /exec

show virtual-service version

```
show virtual-service version { { installed } | { name <virt_serv_name> installed } } [ __readonly__
<virt_service_name> <application_name> <application_version> ]
```

Syntax Description

show	Show running system information
virtual-service	Display virtualization service version information
version	Version information about virtual service
installed	Installed version
name	Version of a virtual service
<i>virt_serv_name</i>	Name of a virtual service
<i>__readonly__</i>	(Optional) Read Only
<i>virt_service_name</i>	(Optional) Virtual service name
<i>application_name</i>	(Optional) Application name
<i>application_version</i>	(Optional) Application version

Command Mode

- /exec

show vlan

```
show vlan [ controller ] [ __readonly__ <vlanshowbr-hdr> { TABLE_vlanbrief <vlanshowbr-vlanid>
<vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate> <vlanshowbr-shutstate> [
<vlanshowplist-ifidx> + ] } <vlanshowinfo-mtu-hdr> { TABLE_mtuintfo <vlanshowinfo-vlanid>
<vlanshowinfo-media-type> <vlanshowinfo-vlanmode> } [ <vlanshowrspan-hdr1> ] [
<vlanshowrspan-vlantype> ] [ <vlanshowrspan-hdr2> ] [ <vlanshowrspan-vlanbitmap> ] [ <pvlan-hdr> ] [
<pvlan-section> ] [ <pvlan-stby> ] <show-end> [ <true-end> ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional) Read Only
TABLE_vlanbrief	(Optional) VLAN brief table format
TABLE_mtuintfo	(Optional) MTU information table format
<i>vlanshowbr-hdr</i>	(Optional) VLAN brief header
<i>vlanshowbr-vlanid</i>	(Optional) VLAN brief VLAN ID
<i>vlanshowbr-vlanid-utf</i>	(Optional) VLAN brief VLAN ID
<i>vlanshowbr-vlanname</i>	(Optional) VLAN brief VLAN name
<i>vlanshowbr-vlanstate</i>	(Optional) VLAN brief VLAN state
<i>vlanshowbr-shutstate</i>	(Optional) VLAN brief shutdown state
<i>vlanshowplist-ifidx</i>	(Optional) Port list ifindex
<i>vlanshowinfo-mtu-hdr</i>	(Optional) Vlan info mtu header
<i>vlanshowinfo-vlanid</i>	(Optional) Vlan info VLAN ID
<i>vlanshowinfo-media-type</i>	(Optional) Select media type
<i>vlanshowinfo-vlanmode</i>	(Optional) VLAN brief VLAN mode
<i>vlanshowrspan-hdr1</i>	(Optional) RSPAN VLAN header for one VLAN
<i>vlanshowrspan-hdr2</i>	(Optional) RSPAN VLAN header for multiple VLANs
<i>vlanshowrspan-vlantype</i>	(Optional) RSPAN VLAN one VLAN rspan or non-rspan
<i>vlanshowrspan-vlanbitmap</i>	(Optional) RSPAN VLAN multiple VLANs
<i>show-end</i>	(Optional) Show vlan end marker

<i>true-end</i>	(Optional) Show vlan end marker
<i>pvlan-hdr</i>	(Optional) private vlan section
<i>pvlan-section</i>	(Optional) private vlan section
<i>pvlan-stby</i>	(Optional) private vlan section on standby

Command Mode

- /exec

show vlan access-list

```
show vlan access-list <name> [ <inp_seqno> ] [ __readonly__ TABLE_vacl <vacl_name> [ <vacl_seqno> ]
[ TABLE_list <ip_ipv6_mac> <acl_name> [ TABLE_seqno <seqno> { <permitdeny> [ <proto_str> | <proto>
| <ip> | <ipv6> ] } <src_any> | <src_ip_prefix> | <src_ip_addr> <src_ip_mask> | <src_ipv6_prefix> |
<src_ipv6_addr> <src_ipv6_mask> | <mac_src> <mac_src_wild> | <src_addrgrp> } [ <src_port_op> [
<src_port1_str> ] { <src_port1_num> } [ <src_port2_str> | <src_port2_num> ] | <src_portgrp> ] { <dest_any>
| <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> | <dest_ipv6_prefix> | <dest_ipv6_addr>
<dest_ipv6_mask> | <mac_dest> <mac_dest_wild> | <dest_addrgrp> } [ <dest_port_op> [ <dest_port1_str>
] { <dest_port1_num> } [ <dest_port2_str> | <dest_port2_num> ] | <dest_portgrp> ] [ { <icmp_type> [
<icmp_code> ] | <icmp_str> } | { <icmpv6_type> [ <icmpv6_code> ] | <icmpv6_str> } ] [ <igmp_type> |
<igmp_type_str> ] [ [ <precedence> | <precedence_str> ] [ <tos> | <tos_str> ] ] [ <dscp> [ <dscp_mask> ] |
<dscp_str> ] ] [ <ttl> ] ] [ <log> ] [ <telemetry_queue> ] [ <telemetry_path> ] [ <udfs> ] [ <capture_session>
] [ <fragments> ] [ <plen_op> <plen1> [ <plen2> ] ] [ <urg> ] [ <ack> ] [ <psh> ] [ <rst> ] [ <syn> ] [ <fin>
] [ <established> ] [ <http-method> | <http_opt_str> ] [ <tcp-option-length> ] [ <tcp-flags-mask> ] [
<flow_label> ] [ <timerange> ] [ <eth_proto> | <eth_proto_str> ] [ <vlan> ] [ <cos> ] [ <match_count> ] [ [
TABLE_match <module> <module_match_count> ] ] [ <nve_vni> ] [ <nve_vni> ] [ <label1> [ <label2>
<label3> <label4> ] ] <remark> } ] [ <action> <actionid> ] ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
access-list	Vlan access list
<i>name</i>	List name
<i>inp_seqno</i>	(Optional) Sequence number
<i>vacl_name</i>	(Optional) List name
<i>__readonly__</i>	(Optional)
<i>vacl_seqno</i>	(Optional) Sequence number
TABLE_vacl	(Optional)
TABLE_list	(Optional)
<i>ip_ipv6_mac</i>	(Optional) IP/iPV6/MAC
<i>acl_name</i>	(Optional) Access list name
<i>seqno</i>	(Optional) Sequence number
<i>permitdeny</i>	(Optional) Permit/deny
<i>proto</i>	(Optional) A protocol number
TABLE_seqno	(Optional)
<i>proto_str</i>	(Optional) Protocol name

<i>ip</i>	(Optional) IP
<i>ipv6</i>	(Optional) IPV6
<i>src_any</i>	(Optional) SRCAny
<i>dest_any</i>	(Optional) DESTAny
<i>src_ip_prefix</i>	(Optional) Source IP prefix
<i>src_ip_addr</i>	(Optional) Source IP address
<i>src_ip_mask</i>	(Optional) Source IP mask
<i>mac_src</i>	(Optional) Source MAC address
<i>mac_src_wild</i>	(Optional) Source MAC mask
<i>dest_ip_prefix</i>	(Optional) Destination IP prefix
<i>dest_ip_addr</i>	(Optional) Destination IP address
<i>dest_ip_mask</i>	(Optional) Destination IP mask
<i>mac_dest</i>	(Optional) Destination MAC address
<i>mac_dest_wild</i>	(Optional) Destination MAC mask
<i>src_port_op</i>	(Optional) Source Port operator
<i>dest_port_op</i>	(Optional) Destination Port operator
<i>src_port1_str</i>	(Optional) Source port name
<i>src_port1_num</i>	(Optional) Source port number
<i>src_port2_str</i>	(Optional) Source port name
<i>src_port2_num</i>	(Optional) Source port number
<i>dest_port1_str</i>	(Optional) Destination port name
<i>dest_port1_num</i>	(Optional) Destination port number
<i>dest_port2_str</i>	(Optional) Destination port name
<i>dest_port2_num</i>	(Optional) Destination port number
<i>icmp_type</i>	(Optional) ICMP type
<i>icmp_code</i>	(Optional) ICMP code
<i>icmp_str</i>	(Optional) ICMP message
<i>icmpv6_type</i>	(Optional) ICMP type
<i>icmpv6_code</i>	(Optional) ICMP code

<i>icmpv6_str</i>	(Optional) ICMP message
<i>igmp_type</i>	(Optional) IGMP type
<i>igmp_type_str</i>	(Optional) IGMP type String
<i>precedence</i>	(Optional) precedence
<i>precedence_str</i>	(Optional) precedence string
<i>tos</i>	(Optional) tos
<i>tos_str</i>	(Optional) tos string
<i>dscp</i>	(Optional) dscp
<i>dscp_mask</i>	(Optional) dscp mask
<i>dscp_str</i>	(Optional) dscp string
<i>udfs</i>	(Optional) udfs string
<i>ttl</i>	(Optional) ttl
<i>capture_session</i>	(Optional) capture session
<i>log</i>	(Optional) Log
<i>telemetry_queue</i>	(Optional) telemetry_queue
<i>telemetry_path</i>	(Optional) telemetry_path
<i>fragments</i>	(Optional) Fragments
<i>urg</i>	(Optional) URG
<i>ack</i>	(Optional) ACK
<i>psh</i>	(Optional) PSH
<i>rst</i>	(Optional) RST
<i>syn</i>	(Optional) SYN
<i>fin</i>	(Optional) FIN
<i>established</i>	(Optional) ESTABLISHED
<i>http-method</i>	(Optional) http-method
<i>http_opt_str</i>	(Optional) http_option string
<i>tcp-option-length</i>	(Optional) TCP Option size
<i>tcp-flags-mask</i>	(Optional) TCP Flags mask
<i>flow_label</i>	(Optional) IPv6 flow label

<i>timerange</i>	(Optional) Time-range
<i>eth_proto</i>	(Optional) MAC protocol number
<i>eth_proto_str</i>	(Optional) MAC protocol name
<i>vlan</i>	(Optional) VLAN number
<i>cos</i>	(Optional) CoS value
<i>match_count</i>	(Optional) Number of packets matching the ACL
TABLE_match	(Optional)
<i>module</i>	(Optional) Module name
<i>module_match_count</i>	(Optional) Number of packets matching the ACL
<i>nve_vni</i>	(Optional) nve vni
<i>remark</i>	(Optional) Remark String
<i>src_addrgrp</i>	(Optional) Source address group
<i>dest_addrgrp</i>	(Optional) Destination address group
<i>src_portgrp</i>	(Optional) Source port group
<i>dest_portgrp</i>	(Optional) Destination port group
<i>plen_op</i>	(Optional) Source Port operator
<i>plen1</i>	(Optional) Packet length minimum
<i>plen2</i>	(Optional) packet length maximum
<i>label1</i>	(Optional) mpls label one
<i>label2</i>	(Optional) mpls label two
<i>label3</i>	(Optional) mpls label three
<i>label4</i>	(Optional) mpls label four
<i>action</i>	(Optional) Action
<i>actionid</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1

Command Mode

- /exec

show vlan access-map

```
show vlan access-map [ <name> ] [ __readonly__ [ TABLE_vacl <vacl_name> [ TABLE_seqno [ <seqno>
] [ <ip_ipv6_mac> { <match_name> } + [ <action_drop> ] [ <action_log> ] [ <action_telemetry_queue> ] [
<action_telemetry_path> ] [ <action_fwd> ] [ <action_capture> ] [ <action_redirect> <intf> ] ] [ <statistics>
] ] ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
access-map	List VLAN access maps
<i>name</i>	(Optional) List name
<i>vacl_name</i>	(Optional) List name
<i>__readonly__</i>	(Optional)
<i>seqno</i>	(Optional) Sequence number
TABLE_vacl	(Optional)
TABLE_seqno	(Optional)
<i>ip_ipv6_mac</i>	(Optional) IP/iPV6/MAC
<i>match_name</i>	(Optional) Access list name
<i>action_drop</i>	(Optional) DROP
<i>action_log</i>	(Optional) LOG
<i>action_telemetry_queue</i>	(Optional) telemetry_queue
<i>action_telemetry_path</i>	(Optional) telemetry_path
<i>action_fwd</i>	(Optional) FWD
<i>action_capture</i>	(Optional) CAPTURE
<i>action_redirect</i>	(Optional) REDIRECT
<i>intf</i>	(Optional) Interface traffic is redirected to
<i>statistics</i>	(Optional) STATISTICS

Command Mode

- /exec

show vlan all-ports

```
show vlan all-ports [ __readonly__ <vlanshowbr-hdr> { TABLE_vlanbriefallports <vlanshowbr-vlanid>
<vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate> <vlanshowbr-shutstate> [
<vlanshowplist-ifidx> + ] } <show-end> [ <true-end> ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
all-ports	Show all ports on VLAN
__readonly__	(Optional) Read Only
TABLE_vlanbriefallports	(Optional) VLAN brief table format
<i>vlanshowbr-hdr</i>	(Optional) VLAN brief header
<i>vlanshowbr-vlanid</i>	(Optional) VLAN brief VLAN ID
<i>vlanshowbr-vlanid-utf</i>	(Optional) VLAN brief VLAN ID
<i>vlanshowbr-vlanname</i>	(Optional) VLAN brief VLAN name
<i>vlanshowbr-vlanstate</i>	(Optional) VLAN brief VLAN state
<i>vlanshowbr-shutstate</i>	(Optional) VLAN brief shutdown state
<i>vlanshowplist-ifidx</i>	(Optional) Port list ifindex
<i>show-end</i>	(Optional) Show vlan end marker
<i>true-end</i>	(Optional) Show vlan end marker

Command Mode

- /exec

show vlan counters

```
show vlan counters [ __readonly__ { TABLE_vlancounters <vlanshowbr-vlanid> [ <l2_ing_ucast_b> ] [
<l2_ing_ucast_p> ] [ <l2_ing_mcast_b> ] [ <l2_ing_mcast_p> ] [ <l2_ing_bcast_b> ] [ <l2_ing_bcast_p> ]
[ <l2_egr_ucast_b> ] [ <l2_egr_ucast_p> ] [ <l3_ucast_rcv_b> ] [ <l3_ucast_rcv_p> ] [ <total_rcv_b> ] [
<total_rcv_p> ] [ <total_sent_b> ] [ <total_sent_p> ] } ]
```

Syntax Description

show	Show running system information
vlan	Vlan commands
counters	display counters
__readonly__	(Optional) Read Only
TABLE_vlancounters	(Optional) vlan counters table format
<i>vlanshowbr-vlanid</i>	(Optional) VLAN brief VLAN ID
<i>l2_ing_ucast_b</i>	(Optional) L2 Ingress unicast octets
<i>l2_ing_ucast_p</i>	(Optional) L2 Ingress unicast packets
<i>l2_ing_mcast_b</i>	(Optional) L2 Ingress multicast octets
<i>l2_ing_mcast_p</i>	(Optional) L2 Ingress multicast packets
<i>l2_ing_bcast_b</i>	(Optional) L2 Ingress broadcast octets
<i>l2_ing_bcast_p</i>	(Optional) L2 Ingress broadcast packets
<i>l2_egr_ucast_b</i>	(Optional) L2 Egress unicast octets
<i>l2_egr_ucast_p</i>	(Optional) L2 Egress unicast packets
<i>l3_ucast_rcv_b</i>	(Optional) L3 unicast octets in
<i>l3_ucast_rcv_p</i>	(Optional) L3 unicast packets in
<i>total_rcv_b</i>	(Optional) Total octets in
<i>total_rcv_p</i>	(Optional) Total packets in
<i>total_sent_b</i>	(Optional) Total octets out
<i>total_sent_p</i>	(Optional) Total packets out

Command Mode

- /exec

show vlan dot1Q tag native

show vlan dot1Q tag native [*__readonly__* <*tag_native_mode*>]

Syntax Description

show	Show running system information
vlan	VTP VLAN status
dot1Q	Display dot1q parameters
tag	Display tag parameters
native	Display native vlan tagging
<i>__readonly__</i>	(Optional) Read Only
<i>tag_native_mode</i>	(Optional) Native vlan tagging mode

Command Mode

- /exec

show vlan fcoe

```
show vlan fcoe [ <vlan-id> ] [ __readonly__ { TABLE_assoc <orig-id> <tran-id> <assoc-state> } ]
```

Syntax Description

show	Show running system information
fcoe	FCOE Congiguration
vlan	Original VLAN Status
__readonly__	(Optional) Read Only
TABLE_assoc	(Optional) Association Table Format
<i>vlan-id</i>	(Optional) VLAN ID <1-4094>
<i>orig-id</i>	(Optional) Enter original VLAN-ID being associated with translated ID
<i>tran-id</i>	(Optional) Enter VSAN-ID being associated with VLAN-ID
<i>assoc-state</i>	(Optional) Show Association Status

Command Mode

- /exec

show vlan filter

```
show vlan filter [ access-map <name> | vlan <vlan> ] [ __readonly__ TABLE_vlan_filter <vacl_name>
<configured_vlans> ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
filter	Information about VLAN filters
access-map	(Optional) Show the VLANs where an access-map is applied
<i>name</i>	(Optional) List name
vlan	(Optional) Show the access-map applied to a VLAN
<i>vlan</i>	(Optional) VLAN number
<i>__readonly__</i>	(Optional)
TABLE_vlan_filter	(Optional)
<i>vacl_name</i>	(Optional) List name
<i>configured_vlans</i>	(Optional) VLAN numbers

Command Mode

- /exec

show vlan id

```
show vlan id <vlan-id> [ __readonly__ <vlanshowbr-hdr> { TABLE_vlanbriefid <vlanshowbr-vlanid>
<vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate> <vlanshowbr-shutstate> [
<vlanshowplist-ifidx> + ] } <vlanshowinfo-mtu-hdr> { TABLE_mtuinfoid <vlanshowinfo-vlanid>
<vlanshowinfo-media-type> <vlanshowinfo-vlanmode> } [ <vlanshow-vlanerrbitmap> ] [
<vlanshowrspan-hdr1> ] [ <vlanshowrspan-vlantype> ] [ <vlanshowrspan-hdr2> ] [
<vlanshowrspan-vlanbitmap> ] [ <pvlan-hdr> ] [ <pvlan-id-section> ] [ <pvlan-stby> ] [ <is-vtp-manageable>
] [ <is-internal> ] [ <is-reserved> ] [ <is-rspan> ] [ <is-dynamic-gvrp> ] <show-end> [ <true-end> ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
id	VLAN status by VLAN id
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
<i>__readonly__</i>	(Optional) Read Only
TABLE_vlanbriefid	(Optional) VLAN brief table format
TABLE_mtuinfoid	(Optional) MTU information table format
<i>vlanshowbr-hdr</i>	(Optional) VLAN brief header
<i>vlanshowbr-vlanid</i>	(Optional) VLAN brief VLAN ID
<i>vlanshowbr-vlanid-utf</i>	(Optional) VLAN brief VLAN ID
<i>vlanshowbr-vlanname</i>	(Optional) VLAN brief VLAN name
<i>vlanshowbr-vlanstate</i>	(Optional) VLAN brief VLAN state
<i>vlanshowbr-shutstate</i>	(Optional) VLAN brief shutdown state
<i>vlanshowplist-ifidx</i>	(Optional) Port list ifindex
<i>vlanshowinfo-mtu-hdr</i>	(Optional) Vlan info mtu header
<i>vlanshowinfo-vlanid</i>	(Optional) Vlan info VLAN ID
<i>vlanshowinfo-media-type</i>	(Optional) Select media type
<i>vlanshowinfo-vlanmode</i>	(Optional) VLAN brief VLAN mode
<i>vlanshow-vlanerrbitmap</i>	(Optional) VLAN error bitmap
<i>vlanshowrspan-hdr1</i>	(Optional) RSPAN VLAN header for one VLAN
<i>vlanshowrspan-hdr2</i>	(Optional) RSPAN VLAN header for multiple VLANs
<i>vlanshowrspan-vlantype</i>	(Optional) RSPAN VLAN one VLAN rspan or non-rspan

<i>vlanshowrspan-vlanbitmap</i>	(Optional) RSPAN VLAN multiple VLANs
<i>show-end</i>	(Optional) Show vlan end marker
<i>true-end</i>	(Optional) Show vlan end marker
<i>pvlan-hdr</i>	(Optional) private vlan section
<i>pvlan-id-section</i>	(Optional) private id vlan section
<i>pvlan-stby</i>	(Optional) private vlan section on standby
<i>is-vtp-manageable</i>	(Optional) VTP Manageable VLAN flag
<i>is-internal</i>	(Optional) Internal VLAN flag
<i>is-reserved</i>	(Optional) Reserved VLAN flag
<i>is-rspan</i>	(Optional) RSPAN VLAN flag
<i>is-dynamic-gvrp</i>	(Optional) Dynamic GVRP VLAN flag

Command Mode

- /exec

show vlan id counters

```
show vlan id <vlan-id> counters [ __readonly__ { TABLE_vlancounters <vlanshowbr-vlanid> [
<l2_ing_ucast_b> ] [ <l2_ing_ucast_p> ] [ <l2_ing_mcast_b> ] [ <l2_ing_mcast_p> ] [ <l2_ing_bcast_b> ]
[ <l2_ing_bcast_p> ] [ <l2_egr_ucast_b> ] [ <l2_egr_ucast_p> ] [ <l3_ucast_rcv_b> ] [ <l3_ucast_rcv_p> ]
[ <total_rcv_b> ] [ <total_rcv_p> ] [ <total_sent_b> ] [ <total_sent_p> ] } ]
```

Syntax Description

show	Show running system information
vlan	Vlan commands
id	VLAN status by VLAN id
counters	display counters
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
<u>__readonly__</u>	(Optional) Read Only
TABLE_vlancounters	(Optional) vlan counters table format
<i>vlanshowbr-vlanid</i>	(Optional) VLAN brief VLAN ID
<i>l2_ing_ucast_b</i>	(Optional) L2 Ingress unicast octets
<i>l2_ing_ucast_p</i>	(Optional) L2 Ingress unicast packets
<i>l2_ing_mcast_b</i>	(Optional) L2 Ingress multicast octets
<i>l2_ing_mcast_p</i>	(Optional) L2 Ingress multicast packets
<i>l2_ing_bcast_b</i>	(Optional) L2 Ingress broadcast octets
<i>l2_ing_bcast_p</i>	(Optional) L2 Ingress broadcast packets
<i>l2_egr_ucast_b</i>	(Optional) L2 Egress unicast octets
<i>l2_egr_ucast_p</i>	(Optional) L2 Egress unicast packets
<i>l3_ucast_rcv_b</i>	(Optional) L3 unicast octets in
<i>l3_ucast_rcv_p</i>	(Optional) L3 unicast packets in
<i>total_rcv_b</i>	(Optional) Total octets in
<i>total_rcv_p</i>	(Optional) Total packets in
<i>total_sent_b</i>	(Optional) Total octets out
<i>total_sent_p</i>	(Optional) Total packets out

Command Mode

- /exec

show vlan id vn-segment

```
show vlan id <vlan-id> vn-segment [ __readonly__ <vlanshowinfo-segid-hdr> { TABLE_seginfoid
<vlanshowinfo-seg-vlanid> <vlanshowinfo-segment-id> } <show-end> [ <true-end> ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
id	VLAN status by VLAN id
vn-segment	Show vn-segment mapping
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_seginfoid</i>	(Optional) Segment id information table format
<i>vlanshowinfo-segid-hdr</i>	(Optional) Vlan info segment id header
<i>vlanshowinfo-seg-vlanid</i>	(Optional) Vlan info VLAN ID
<i>vlanshowinfo-segment-id</i>	(Optional) Vlan info SEGMENT ID
<i>show-end</i>	(Optional) Show vlan end marker
<i>true-end</i>	(Optional) Show vlan end marker

Command Mode

- /exec

show vlan name

```
show vlan name <vname> [ __readonly__ <vlanshowbr-hdr> { TABLE_vlanbriefname <vlanshowbr-vlanid>
<vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate> <vlanshowbr-shutstate> [
<vlanshowplist-ifidx> + ] } <vlanshowinfo-mtu-hdr> { TABLE_mtuinfofname <vlanshowinfo-vlanid>
<vlanshowinfo-media-type> <vlanshowinfo-vlanmode> } [ <vlanshowrspan-hdr1> ] [
<vlanshowrspan-vlantype> ] [ <vlanshowrspan-hdr2> ] [ <vlanshowrspan-vlanbitmap> ] <show-end> [
<true-end> ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
name	VLAN status by VLAN name
vname	A vlan name with size 32 (128 if long vlan name enabled)
__readonly__	(Optional) Read Only
TABLE_vlanbriefname	(Optional) VLAN brief table format
TABLE_mtuinfofname	(Optional) MTU information table format
vlanshowbr-hdr	(Optional) VLAN brief header
vlanshowbr-vlanid	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanid-utf	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanname	(Optional) VLAN brief VLAN name
vlanshowbr-vlanstate	(Optional) VLAN brief VLAN state
vlanshowbr-shutstate	(Optional) VLAN brief shutdown state
vlanshowplist-ifidx	(Optional) Port list ifindex
vlanshowinfo-mtu-hdr	(Optional) Vlan info mtu header
vlanshowinfo-vlanid	(Optional) Vlan info VLAN ID
vlanshowinfo-media-type	(Optional) Select media type
vlanshowinfo-vlanmode	(Optional) VLAN brief VLAN mode
vlanshowrspan-hdr1	(Optional) RSPAN VLAN header for one VLAN
vlanshowrspan-hdr2	(Optional) RSPAN VLAN header for multiple VLANs
vlanshowrspan-vlantype	(Optional) RSPAN VLAN one VLAN rspan or non-rspan
vlanshowrspan-vlanbitmap	(Optional) RSPAN VLAN multiple VLANs

<i>show-end</i>	(Optional) Show vlan end marker
<i>true-end</i>	(Optional) Show vlan end marker

Command Mode

- /exec

show vlan private-vlan

```
show vlan [ id <vlan-id> ] private-vlan [ __readonly__ [ { TABLE_pvlan_primary <vlan-key> [ <primary>
] [ <secondary> ] <pvlan-type> [ <ports> + ] } ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
<i>vlan-id</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information
<i>__readonly__</i>	(Optional) Read Only
TABLE_pvlan_primary	(Optional) Pvlan primary vlan table
<i>vlan-key</i>	(Optional) Vlan key
<i>primary</i>	(Optional) Primary VLAN
<i>secondary</i>	(Optional) Secondary VLAN
<i>pvlan-type</i>	(Optional) PVLAN Type
<i>ports</i>	(Optional) Port list

Command Mode

- /exec

show vlan private-vlan type

```
show vlan [ id <vlan-id> ] private-vlan type [ __readonly__ [ { TABLE_pvlantype <vlan-num> <pvlan-type> } ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
<i>vlan-id</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information
type	Private VLAN type information
__readonly__	(Optional) Read Only
TABLE_pvlantype	(Optional) Pvlan type table
<i>vlan-num</i>	(Optional) vlan
<i>pvlan-type</i>	(Optional) PVLAN Type

Command Mode

- /exec

show vlan xbrief

```
show vlan xbrief [ controller | cli ] [ __readonly__ <vlanshowbr-hdr> { TABLE_vlanbriefxbrief
<vlanshowbr-vlanid> <vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate>
<vlanshowbr-shutstate> [ <vlanshowplist-ifidx> + ] } <show-end> [ <true-end> ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
xbrief	All VLAN status in brief
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
cli	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional) Read Only
TABLE_vlanbriefxbrief	(Optional) VLAN brief table format
<i>vlanshowbr-hdr</i>	(Optional) VLAN brief header
<i>vlanshowbr-vlanid</i>	(Optional) VLAN brief VLAN ID
<i>vlanshowbr-vlanid-utf</i>	(Optional) VLAN brief VLAN ID
<i>vlanshowbr-vlanname</i>	(Optional) VLAN brief VLAN name
<i>vlanshowbr-vlanstate</i>	(Optional) VLAN brief VLAN state
<i>vlanshowbr-shutstate</i>	(Optional) VLAN brief shutdown state
<i>vlanshowplist-ifidx</i>	(Optional) Port list ifindex
<i>show-end</i>	(Optional) Show vlan end marker
<i>true-end</i>	(Optional) Show vlan end marker

Command Mode

- /exec

show vlan xsummary

```
show vlan xsummary [ __readonly__ <vlansum-all-vlan> <vlansum-vtp-vlan> <vlansum-ext-vlan>
<vlansum-max-supported-vlan> <vlansum-carved-vlan> <show-end> [ <true-end> ] ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
xsummary	VLAN summary information
<i>__readonly__</i>	(Optional) Read Only
<i>vlansum-all-vlan</i>	(Optional) Show vlan summary Total
<i>vlansum-vtp-vlan</i>	(Optional) Show vlan summary Number of normal vlans
<i>vlansum-ext-vlan</i>	(Optional) Show vlan summary Number of extended vlans
<i>vlansum-max-supported-vlan</i>	(Optional) Show vlan summary Max supported vlans
<i>vlansum-carved-vlan</i>	(Optional) Show vlan summary Number of carved sdn vlans
<i>show-end</i>	(Optional) Show vlan end marker
<i>true-end</i>	(Optional) Show vlan end marker

Command Mode

- /exec

show vmtracker

```
show vmtracker [ connection <conn_name> ] { { info { { [ interface <intf_id> ] { summary | detail | host |
vm | port-group } } | { vxlan-segment | vxlan-vms } } } | event-history } [ __readonly__ [ TABLE_info
<intf_name> <host_or_ip> <vmnic> <vm_name> <vm_state> <port_group> <pg_type> <vlan_range>
<virt_wire_name> <multicast_ip> <vdn_id> <vtep_ip> <event_time> <event_msg> ] [ TABLE_evt <event_id>
<event_time> <event_msg> ] ] ]
```

Syntax Description

<code>__readonly__</code>	(Optional)
<code>TABLE_info</code>	(Optional)
<code>intf_name</code>	(Optional)
<code>host_or_ip</code>	(Optional)
<code>vmnic</code>	(Optional)
<code>vm_name</code>	(Optional)
<code>vm_state</code>	(Optional)
<code>port_group</code>	(Optional)
<code>pg_type</code>	(Optional)
<code>vlan_range</code>	(Optional)
<code>virt_wire_name</code>	(Optional)
<code>multicast_ip</code>	(Optional)
<code>vdn_id</code>	(Optional)
<code>vtep_ip</code>	(Optional)
<code>event_time</code>	(Optional)
<code>event_msg</code>	(Optional)
<code>TABLE_evt</code>	(Optional)
<code>event_id</code>	(Optional)
<code>event_time</code>	(Optional)
<code>event_msg</code>	(Optional)
<code>show</code>	Show running system information
<code>vmtracker</code>	Show vmtracker info
<code>connection</code>	(Optional) Show vmtracker configured connections

<i>conn_name</i>	(Optional) Show vmtracker Connection name
info	Display vmtracker information
interface	(Optional) Display vmtracker interface information
<i>intf_id</i>	(Optional) Interface name to display
summary	Display a summary of vmtracker information
detail	Display vmtracker information details
host	Display vmtracker host information
vm	Display vmtracker related Virtual Machine information
port-group	Display vmtracker related port-group information
vxlan-segment	Print all segment info
vxlan-vm	Print all vm info
event-history	Display vmtracker related event-history

Command Mode

- /exec

show vmtracker certificate

show vmtracker certificate [__readonly__ TABLE_cert <certificate>]

Syntax Description

__readonly__	(Optional)
TABLE_cert	(Optional) The entire certificate, line by line
<i>certificate</i>	(Optional) A line of the certificate in xml
show	Show running system information
vmtracker	VMTRACKER commands
certificate	Show the default certificate used

Command Mode

- /exec

show vmtracker fabric auto-config

```
show vmtracker fabric auto-config [ interface <intf_id> ] [ vlan <vlan_id> ] [ status { success | pending |
failure | skipped } ] [ __readonly__ { <oper_status> } ] [ TABLE_autoconfig <interface_name>
<port_group_name> <vlan_range> <config_status> ] ]
```

Syntax Description

<i>__readonly__</i>	(Optional)
<i>oper_status</i>	(Optional) fabric auto-config enabled or disabled
TABLE_autoconfig	(Optional)
<i>interface_name</i>	(Optional) interface to the UCS
<i>port_group_name</i>	(Optional) port-channel of this interface
<i>vlan_range</i>	(Optional) vlans learned
<i>config_status</i>	(Optional) status of auto-config over this interface
show	Show running system information
vmtracker	VMTRACKER commands
fabric	VM Tracker Fabric paramters
auto-config	VM Tracker Fabric AutoConfiguration
interface	(Optional) Display vmtracker interface information
<i>intf_id</i>	(Optional) Interface name to display
vlan	(Optional) vlan to display
<i>vlan_id</i>	(Optional) VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
status	(Optional) Auto-config status
success	(Optional) Success
pending	(Optional) Pending
failure	(Optional) Failure
skipped	(Optional) Skipped

Command Mode

- /exec

show vmtracker status

```
show vmtracker [ connection <conn_name> ] status [ __readonly__ { TABLE_connection <name> <host_or_ip>
<conn_status> } ]
```

Syntax Description

<i>__readonly__</i>	(Optional)
TABLE_connection	(Optional)
<i>name</i>	(Optional)
<i>host_or_ip</i>	(Optional)
<i>conn_status</i>	(Optional)
show	Show running system information
vmtracker	Show vmtracker info
connection	(Optional) Show vmtracker configured connections
<i>conn_name</i>	(Optional) Show vmtracker Connection name
status	Show vmtracker connection status

Command Mode

- /exec

show vpc

```
show vpc [ brief ] [ __readonly__ <vpc-domain-id> [ <vpc-l2mp-switch-id> ] <vpc-peer-status>
<vpc-peer-status-reason> <vpc-peer-keepalive-status> [ <vpc-peer-l2mp-status> ] <vpc-peer-consistency> {
[ <vpc-peer-consistency-reason> ] [ <vpc-per-vlan-peer-consistency> ] <vpc-peer-consistency-status> }
<vpc-type-2-consistency> { [ <vpc-type-2-consistency-reason> ] <vpc-type-2-consistency-status> } <vpc-role>
<num-of-vpcs> [ <track-obj> ] [ <peer-gateway> ] [ <peer-gateway-excluded-vlans> ]
<dual-active-excluded-vlans> <vpc-graceful-consistency-check-status> [ <vpc-auto-recovery-status> ] [
<vpc-delay-restore-status> ] [ <vpc-delay-restore-svi-status> ] [ <vpc-delay-restore-orphan-port-status> ] [
<vpc-delay-peer-link-status> ] <operational-l3-peer> [ <vpc-scale-high-status> ] [
<fp-enhanced-load-balancing> ] [ <vpc-per-vlan-peer-consistency> ] [ <virtual-peerlink> ] [
<vpc-peer-link-hdr> [ { TABLE_peerlink <peer-link-id> <peerlink-ifindex> <peer-link-port-state>
<peer-up-vlan-bitset> } ] <vpc-end> ] [ <vpc-hdr> [ <vpc-is-es> ] [ <vpc-not-es> ] [ { TABLE_vpc <vpc-id>
<vpc-ifindex> <vpc-port-state> <phy-port-if-removed><vpc-thru-peerlink> <vpc-consistency> { [
<vpc-consistency-reason> ] [ <vpc-consistency-status> ] } <up-vlan-bitset> <es-attr> } ] <vpc-end> ] ]
```

Syntax Description

vpc	Virtual Port Channel configuration
brief	(Optional) Brief display of vPC status
__readonly__	(Optional) Read Only
TABLE_peerlink	(Optional) vPC peerlink table
TABLE_vpc	(Optional) vPC table
vpc-domain-id	(Optional) vPC domain id
vpc-l2mp-switch-id	(Optional) vPC+ switch ID
vpc-peer-status	(Optional) vPC peer status
vpc-peer-status-reason	(Optional) vPC peer status reason
vpc-peer-keepalive-status	(Optional) vpc peer keepalive status
vpc-peer-l2mp-status	(Optional) vPC fabricpath status
vpc-role	(Optional) vPC role
peer-gateway	(Optional) Peer gateway status
peer-gateway-excluded-vlans	(Optional) peer-gateway excluded VLANs
dual-active-excluded-vlans	(Optional) dual-active excluded VLANs
fp-enhanced-load-balancing	(Optional) Fabricpath enhanced load balancing status
num-of-vpcs	(Optional) Number of vPCs configured
track-obj	(Optional) Track object for vPC

<i>vpc-graceful-consistency-check-status</i>	(Optional) vPC graceful consistency check
<i>vpc-consistency</i>	(Optional) vPC global configuration consistency
<i>vpc-consistency-reason</i>	(Optional) vPC consistency reason
<i>vpc-consistency-status</i>	(Optional) vPC consistency reason
<i>vpc-peer-consistency</i>	(Optional) vPC global configuration consistency
<i>vpc-peer-consistency-reason</i>	(Optional) vPC consistency reason
<i>vpc-peer-consistency-status</i>	(Optional) vPC consistency reason
<i>vpc-per-vlan-peer-consistency</i>	(Optional) vPC per-vlan global configuration consistency
<i>vpc-type-2-consistency</i>	(Optional) vPC type-2 configuration consistency status
<i>vpc-type-2-consistency-reason</i>	(Optional) vPC type-2 configuration consistency reason
<i>vpc-type-2-consistency-status</i>	(Optional) vPC type-2 configuration consistency status
<i>operational-l3-peer</i>	(Optional) Operational Layer 3 peer status
<i>virtual-peerlink</i>	(Optional) Virtual peerlink status
<i>vpc-scale-high-status</i>	(Optional) vPC scale high status
<i>vpc-hdr</i>	(Optional) Start of vPC table
<i>vpc-is-es</i>	(Optional) Flag to indicate vPC+ complex
<i>vpc-not-es</i>	(Optional) Flag to indicate vPC complex
<i>vpc-peer-link-hdr</i>	(Optional) Start of vPC peer-link table
<i>vpc-port-state</i>	(Optional) vPC port state
<i>vpc-end</i>	(Optional) End of table
<i>vpc-id</i>	(Optional) vPC id
<i>vpc-ifindex</i>	(Optional) vPC ifindex
<i>peer-link-id</i>	(Optional) peer link id
<i>peerlink-ifindex</i>	(Optional) peer link ifindex
<i>peer-link-port-state</i>	(Optional) peer-link port state
<i>peer-up-vlan-bitset</i>	(Optional) peer link UP VLAN bitset
<i>up-vlan-bitset</i>	(Optional) vPC UP VLAN bitset
<i>es-attr</i>	(Optional) vPC+ attributes
<i>vpc-auto-recovery-status</i>	(Optional) Auto-recovery status

<i>vpc-delay-restore-status</i>	(Optional) Delay-resotre status
<i>vpc-delay-restore-svi-status</i>	(Optional) Delay-restore-svi status
<i>vpc-delay-restore-orphan-port-status</i>	(Optional) Delay-restore-orphan-port status
<i>vpc-delay-peer-link-status</i>	(Optional) Delay-peer-link status

Command Mode

- /exec

show vpc

```
show vpc { <vpc-number> | brief vpc <vpc-number> } [ __readonly__ [ <vpc-hdr> ] [ <vpc-is-es> ] [ <vpc-not-es> ] [ TABLE_vpc <vpc-id> <vpc-ifindex> <vpc-port-state> <phy-port-if-removed><vpc-thru-peerlink> <vpc-consistency> { [ <vpc-consistency-reason> ] [ <vpc-consistency-status> ] } <up-vlan-bitset> <es-attr> ] <vpc-end> ]
```

Syntax Description

vpc	Virtual Port Channel configuration
brief	Brief display of vPC status
<i>vpc-number</i>	Enter a Virtual Port Channel number
<i>__readonly__</i>	(Optional) Read Only
<i>vpc-hdr</i>	(Optional) Start of vPC table
<i>vpc-is-es</i>	(Optional) Flag to indicate vPC+ complex
<i>vpc-not-es</i>	(Optional) Flag to indicate vPC complex
TABLE_vpc	(Optional) vPC table
<i>vpc-id</i>	(Optional) vPC id
<i>vpc-ifindex</i>	(Optional) vPC ifindex
<i>vpc-port-state</i>	(Optional) vPC port state
<i>vpc-consistency</i>	(Optional) vPC global configuration consistency
<i>vpc-consistency-reason</i>	(Optional) vPC consistency reason
<i>vpc-consistency-status</i>	(Optional) vPC consistency reason
<i>up-vlan-bitset</i>	(Optional) vPC UP VLAN bitset
<i>es-attr</i>	(Optional) vPC+ attributes
<i>vpc-end</i>	(Optional) End of table

Command Mode

- /exec

show vpc consistency-parameters

```
show vpc consistency-parameters { global | vni | interface <if> | vpc <vpc-num> } [ __readonly__
TABLE_vpc_consistency <vpc-param-name> <vpc-param-type> <vpc-param-local-val> <vpc-param-peer-val>
]
```

Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
global	Global Parameters
vni	Show vPC Consistency Parameters vni
<i>if</i>	
<i>vpc-num</i>	Enter a Virtual Port Channel number
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_vpc_consistency</i>	(Optional) vPC table
<i>vpc-param-name</i>	(Optional)
<i>vpc-param-type</i>	(Optional)
<i>vpc-param-local-val</i>	(Optional)
<i>vpc-param-peer-val</i>	(Optional)

Command Mode

- /exec

show vpc consistency-parameters vlans

```
show vpc consistency-parameters vlans [ vnseg ] [ __readonly__ TABLE_vpc_consistency <vpc-param-name>
<vpc-param-type> [ <reason_code> ] [ <syserr> ] <vpc-pass-vlans> [ <reason_code> ] ]
```

Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
vlans	vlans
vnseg	(Optional) Display vlan to vn-segment map
__readonly__	(Optional) Read Only
TABLE_vpc_consistency	(Optional) vPC table
<i>vpc-param-name</i>	(Optional)
<i>vpc-param-type</i>	(Optional)
<i>vpc-pass-vlans</i>	(Optional)
<i>syserr</i>	(Optional) vPC consistency reason
<i>reason_code</i>	(Optional) vPC consistency reason

Command Mode

- /exec

show vpc fabric-ports

```
show vpc fabric-ports [ __readonly__ [ { TABLE_fabric_ports <vpc-fabric-ports> } ] ]
```

Syntax Description

vpc	Virtual Port Channel configuration
fabric-ports	Show ports that are part of uplink virtual-peerlink
__readonly__	(Optional) Read Only
TABLE_fabric_ports	(Optional) vPC fabric ports table
<i>vpc-fabric-ports</i>	(Optional) description of the port

Command Mode

- /exec

show vpc orphan-ports

```
show vpc orphan-ports [ __readonly__ [ { TABLE_orphan_ports <vpc-vlan> <vpc-orphan-ports> } ] ]
```

Syntax Description

vpc	Virtual Port Channel configuration
orphan-ports	Show ports that are not part of vPC but have common VLANs
__readonly__	(Optional) Read Only
TABLE_orphan_ports	(Optional) vPC orphan ports table
vpc-vlan	(Optional) port vlan
vpc-orphan-ports	(Optional) description of the port

Command Mode

- /exec

show vpc peer-keepalive

```
show vpc peer-keepalive [ __readonly__ <vpc-peer-keepalive-status> <vpc-keepalive-dest>
<vpc-keepalive-send-interface> <vpc-keepalive-receive-interface> <vpc-keepalive-send-tstamp>
<vpc-keepalive-receive-tstamp> <vpc-peer-keepalive-up-time> <vpc-keepalive-send-status>
<vpc-keepalive-receive-status> <vpc-keepalive-lastupdate> [ <vpc-keepalive-dest> ] <vpc-keepalive-interval>
<vpc-keepalive-timeout> <vpc-keepalive-hold-timeout> <vpc-keepalive-vrf> <vpc-keepalive-udp-port>
<vpc-keepalive-tos> ]
```

Syntax Description

vpc	Virtual Port Channel configuration
peer-keepalive	vPC keepalive status
__readonly__	(Optional) Read Only
<i>vpc-peer-keepalive-status</i>	(Optional) vpc peer keepalive status
<i>vpc-keepalive-dest</i>	(Optional) vPC keepalive destination ip address
<i>vpc-keepalive-send-status</i>	(Optional) vPC keepalive send status
<i>vpc-keepalive-receive-status</i>	(Optional) vPC keepalive receive status
<i>vpc-peer-keepalive-up-time</i>	(Optional) keepalive- alive time
<i>vpc-keepalive-send-tstamp</i>	(Optional) vPC keepalive last send timestamp
<i>vpc-keepalive-send-interface</i>	(Optional) vPC keepalive send interface
<i>vpc-keepalive-receive-tstamp</i>	(Optional) vPC keepalive last receive timestamp
<i>vpc-keepalive-receive-interface</i>	(Optional) vPC keepalive receive interface
<i>vpc-keepalive-lastupdate</i>	(Optional) vPC keepalive last update from peer
<i>vpc-keepalive-interval</i>	(Optional) vPC keepalive timeout
<i>vpc-keepalive-timeout</i>	(Optional) vPC keepalive interval
<i>vpc-keepalive-hold-timeout</i>	(Optional) hold timeout
<i>vpc-keepalive-vrf</i>	(Optional) vrf name
<i>vpc-keepalive-udp-port</i>	(Optional) udp port
<i>vpc-keepalive-tos</i>	(Optional) tos value

Command Mode

- /exec

show vpc role

```
show vpc role [ __readonly__ <vpc-peer-status> <vpc-peer-status-reason> [ <vpc-current-role> ] [
<vpc-es-current-role> ] <dual-active-detected> <vpc-system-mac> <vpc-system-prio> <vpc-local-system-mac>
<vpc-local-system-prio><vpc-local-role-prio> <vpc-peer-system-mac>
<vpc-peer-system-prio><vpc-peer-role-prio> ]
```

Syntax Description

vpc	Virtual Port Channel configuration
role	vPC role status
__readonly__	(Optional) Read Only
<i>vpc-peer-status</i>	(Optional) vPC peer status
<i>vpc-peer-status-reason</i>	(Optional) vPC peer status reason
<i>vpc-current-role</i>	(Optional) vPC role
<i>vpc-es-current-role</i>	(Optional) vPC role
<i>dual-active-detected</i>	(Optional) Dual active detection status
<i>vpc-system-mac</i>	(Optional) vPC system mac
<i>vpc-local-system-mac</i>	(Optional) vPC local system mac
<i>vpc-peer-system-mac</i>	(Optional) vPC peer system mac
<i>vpc-system-prio</i>	(Optional) vPC system priority

Command Mode

- /exec

show vpc statistics peer-keepalive

```
show vpc statistics peer-keepalive [ __readonly__ <vpc-peer-keepalive-status> <vpc-keepalive-counters-tx>
<vpc-keepalive-counters-rx> <vpc-keepalive-avg-rx-interval> <vpc-keepalive-peer-state-changes> ]
```

Syntax Description

vpc	Virtual Port Channel configuration
statistics	Statistics
peer-keepalive	peer keepalive module related statistics
__readonly__	(Optional) Read Only
<i>vpc-peer-keepalive-status</i>	(Optional) vpc peer keepalive status
<i>vpc-keepalive-counters-tx</i>	(Optional) tx counters
<i>vpc-keepalive-counters-rx</i>	(Optional) rx counters
<i>vpc-keepalive-avg-rx-interval</i>	(Optional) avg rx interval in ms
<i>vpc-keepalive-peer-state-changes</i>	(Optional) peer state changes

Command Mode

- /exec

show vpc statistics vpc

show vpc statistics { vpc <vpc_num> | peer-link }

Syntax Description

vpc	Virtual Port Channel configuration
statistics	Statistics
<i>vpc_num</i>	Virtual Port Channel number
peer-link	stats for peer-link

Command Mode

- /exec

show vpc virtual-peerlink dest reachable

show vpc virtual-peerlink dest reachable

Syntax Description

show	Show running system information
vpc	vPC related information
virtual-peerlink	virtual-peerlink Related show commands
dest	dest info
reachable	dest reachability

Command Mode

- /exec

show vpc virtual-peerlink vlan consistency

show vpc virtual-peerlink vlan consistency

Syntax Description

show	Show running system information
vpc	vPC related information
virtual-peerlink	virtual-peerlink Related show commands
vlan	vlan info for vPC
consistency	vlan vni consistency

Command Mode

- /exec

show vrf

show vrf [<vrf-name> | <vrf-known-name> | all]

Syntax Description

show	Show running system information
vrf	Display VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display VRF information for all VRFs

Command Mode

- /exec

<i>tib_nonce</i>	(Optional)
<i>tib_state</i>	(Optional)
<i>tib_reason</i>	(Optional)
<i>tib_pend</i>	(Optional)
<i>vni</i>	(Optional)

Command Mode

- /exec

show vrrp

```
show vrrp [ [ summary ] | { [ statistics | detail ] [ interface <interface_id> ] [ vr <vr_id> ] [ master | backup |
init ] + } ] [ __readonly__ [ [ TABLE_vrrp_group <sh_if_index> <sh_group_id> <sh_group_type>
<sh_group_state> <sh_group_preempt> <sh_vip_addr> { [ TABLE_sec_vip_addr <sh_sec_vip_addr> ] }
<sh_priority> [ <sh_cfg_priority> <sh_fwd_thr_lower> <sh_fwd_thr_upper> ] <sh_adv_interval> [
<sh_auth_text> ] [ <sh_vmac> ] [ <sh_master_router> ] [ <sh_native_track_intf> <sh_native_track_priotiry>
] { [ TABLE_vrrp_track <sh_track_object_id> <sh_decrement_priority> <sh_track_object_state> ] } [
<sh_bfd_status> <sh_bfd_session> ] ] [ { TABLE_vrrp_statistics [ <if_index> ] [ <grp_id> ] [ <grp_type> ]
[ <master_cnt> ] [ <adv_pkts> ] [ <adv_intv_mismatch> ] [ <auth_failure> ] [ <ttl_err> ] [ <zero_pri_adv_rcvd>
] [ <zero_pri_adv_sent> ] [ <type_fl_mismatch> ] [ <addr_mismatch> ] [ <inv_auth> ] [ <auth_mismatch>
] [ <inv_pkt_len> ] } ] [ <total_num_of_grp> ] [ <init_grps> ] [ <backup_grps> ] [ <master_grps> ] [
<vrrp_enabled_ifs> ] [ <mts_rx> ] [ <mts_tx> ] [ <pkt_rx> ] [ <pkt_tx> ] ] + ]
```

Syntax Description

show	Show running system information
vrrp	Show vrrp information
summary	(Optional) Show vrrp summary
statistics	(Optional) Show vrrp statistics
detail	(Optional) Show detailed information
interface	(Optional) Show vrrp info for the interface
<i>interface_id</i>	(Optional)
vr	(Optional) Show vrrp info for the group
<i>vr_id</i>	(Optional) [1-255] enter IPv4 vr group
master	(Optional) Groups in Master state
backup	(Optional) Groups in Backup state
init	(Optional) Groups in Init state
__readonly__	(Optional) Read only
TABLE_vrrp_group	(Optional) Group detail table
<i>sh_if_index</i>	(Optional) Interface type and number
<i>sh_group_id</i>	(Optional) Group number
<i>sh_group_type</i>	(Optional) Group type
<i>sh_group_state</i>	(Optional) VRRP group state
<i>sh_group_preempt</i>	(Optional) Group preemption statue

<i>sh_vip_addr</i>	(Optional) Virtual IP Address
TABLE_sec_vip_addr	(Optional) Secondary virtual ip address table
<i>sh_sec_vip_addr</i>	(Optional) Secondary virtual ip address
<i>sh_priority</i>	(Optional) Priority of VRRP group
<i>sh_auth_text</i>	(Optional) Authentication text
<i>sh_cfg_priority</i>	(Optional) Configured priority of VRRP group
<i>sh_fwd_thr_lower</i>	(Optional) Lower forwarding threshold
<i>sh_fwd_thr_upper</i>	(Optional) Upper forwarding threshold
<i>sh_adv_interval</i>	(Optional) Advertisement interval
<i>sh_vmac</i>	(Optional) Virtual MAC
<i>sh_master_router</i>	(Optional) Master router
<i>sh_native_track_intf</i>	(Optional) Native tracked interface
<i>sh_native_track_priotiry</i>	(Optional) Decrement priority for Native tracking
TABLE_vrrp_track	(Optional) VRRP tracking table
<i>sh_track_object_id</i>	(Optional) Object id of tracking object
<i>sh_decrement_priority</i>	(Optional) Decrement priority
<i>sh_track_object_state</i>	(Optional) Tracking object state
<i>sh_bfd_status</i>	(Optional) BFD status
<i>sh_bfd_session</i>	(Optional) BFD session status
TABLE_vrrp_statistics	(Optional) VRRP statistics table
<i>if_index</i>	(Optional) Interface type and number
<i>grp_id</i>	(Optional) Group number
<i>grp_type</i>	(Optional) Group type
<i>master_cnt</i>	(Optional) VRRP Master
<i>adv_pkts</i>	(Optional) Advertisement pkts
<i>adv_intv_mismatch</i>	(Optional) Advertisement interval mismatch
<i>auth_failure</i>	(Optional) Auth failure
<i>ttl_err</i>	(Optional) TTL error
<i>zero_pri_adv_rcvd</i>	(Optional) Zero pri adv received

<i>zero_pri_adv_sent</i>	(Optional) Zero pri adv sent
<i>type_fl_mismatch</i>	(Optional) Invalid type field
<i>addr_mismatch</i>	(Optional) Address mismatch
<i>inv_auth</i>	(Optional) Invalid auth type
<i>auth_mismatch</i>	(Optional) Authentication mismatch
<i>inv_pkt_len</i>	(Optional) Invalid pkt length
<i>total_num_of_grp</i>	(Optional) Total Number of Groups Configured
<i>init_grps</i>	(Optional) Init groups
<i>backup_grps</i>	(Optional) Backup groups
<i>master_grps</i>	(Optional) Master groups
<i>vrrp_enabled_ifs</i>	(Optional) Number of VRRP enabled interfaces
<i>mts_rx</i>	(Optional) Total MTS Rx
<i>mts_tx</i>	(Optional) Total MTS Tx
<i>pkt_rx</i>	(Optional) Total Pkt Rx
<i>pkt_tx</i>	(Optional) Total Pkt Tx

Command Mode

- /exec

show vrrp bfd-sessions

```
show vrrp bfd-sessions [ interface <interface-id> [ to <ipaddress> ] ] [ __readonly__ TABLE_bfd_sess
<interface> { <src_addr> | <src_addr_v6> } { <dst_addr> | <dst_addr_v6> } <session_state> <ref_count>
<displayed_interface> { TABLE_groups <group_id> <vrrp_state> <bfd_status> <operation> <time> } ]
```

Syntax Description

show	Show running system information
vrrp	Show vrrp information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
to	(Optional) To IP address
<i>ipaddress</i>	(Optional) Sessions to IP address
<i>__readonly__</i>	(Optional)
TABLE_bfd_sess	(Optional)
<i>interface</i>	(Optional) Interface
<i>src_addr</i>	(Optional) IPv4 Source address
<i>dst_addr</i>	(Optional) IPv4 Destination address
<i>session_state</i>	(Optional) Session state
<i>ref_count</i>	(Optional) Ref count
<i>displayed_interface</i>	(Optional) Displayed interface
TABLE_groups	(Optional)
<i>group_id</i>	(Optional) Group id
<i>vrrp_state</i>	(Optional) VRRP STATE
<i>bfd_status</i>	(Optional) BFD STATE
<i>operation</i>	(Optional) Operation
<i>time</i>	(Optional) Time

Command Mode

- /exec

<i>version</i>	(Optional) Invalid version
<i>type</i>	(Optional) Invalid message type
<i>length</i>	(Optional) Invalid length
<i>badid</i>	(Optional) Invalid group ID
<i>other</i>	(Optional) Other
<i>intf</i>	(Optional) Interface
<i>id</i>	(Optional) Group ID
<i>af</i>	(Optional) Address family
<i>desc</i>	(Optional) Description
<i>state</i>	(Optional) Group state
<i>duration</i>	(Optional) Time in current state
<i>vip</i>	(Optional) Primary virtual IP address
<i>addr</i>	(Optional) Secondary virtual IP address
<i>prefix</i>	(Optional) Secondary vIP prefix
<i>vmac</i>	(Optional) Virtual MAC address
<i>adv</i>	(Optional) Advertisement interval
<i>preempt</i>	(Optional) Preemption status
<i>owner</i>	(Optional) Owner mode
<i>delay</i>	(Optional) Preemption delay
<i>delay_rem</i>	(Optional) Preemption delay remaining
<i>priority</i>	(Optional) Priority
<i>cfg_priority</i>	(Optional) Configured priority
<i>m_addr</i>	(Optional) Group master router address
<i>m_priority</i>	(Optional) Group master priority
<i>m_adv</i>	(Optional) Master advertisement interval
<i>m_expire</i>	(Optional) Master expiration
<i>down</i>	(Optional) Master down interval
<i>down_expire</i>	(Optional) Master down expiration
<i>t_id</i>	(Optional) Tracking object ID

<i>t_dec_prio</i>	(Optional) Priority to decrement
<i>t_state</i>	(Optional) Tracking object state
<i>adv_sent</i>	(Optional) Advertisements sent
<i>adv_err</i>	(Optional) Advertisement errors
<i>adv_rcvcd</i>	(Optional) Advertisements received
<i>v2adv_sent</i>	(Optional) Advertisements sent (v2)
<i>v2adv_err</i>	(Optional) Advertisement errors (v2)
<i>v2adv_rcvcd</i>	(Optional) Advertisements received (v2)
<i>drops</i>	(Optional) Total dropped packets
<i>incompat</i>	(Optional) v2, Incompatible
<i>conflict</i>	(Optional) Address owner conflicts
<i>bad_count</i>	(Optional) Invalid address count
<i>bad_addr</i>	(Optional) Invalid IP address
<i>bad_config</i>	(Optional) Invalid IP address config
<i>bad_advert</i>	(Optional) Invalid advertisement interval
<i>bad_state</i>	(Optional) Invalid group state
<i>bad_other</i>	(Optional) Other
<i>init_master</i>	(Optional) Init to Master
<i>init_master_time</i>	(Optional) Last Occurrence
<i>init_backup</i>	(Optional) Init to Backup
<i>init_backup_time</i>	(Optional) Last Occurrence
<i>back_master</i>	(Optional) Backup to Master
<i>back_master_time</i>	(Optional) Last Occurrence
<i>master_back</i>	(Optional) Master to Backup
<i>master_back_time</i>	(Optional) Last Occurrence
<i>mast_init</i>	(Optional) Master to Init
<i>mast_init_time</i>	(Optional) Last Occurrence
<i>back_init</i>	(Optional) Backup to Init
<i>back_init_time</i>	(Optional) Last Occurrence

<i>intf_b</i>	(Optional) Interface
<i>id_b</i>	(Optional) Group ID
<i>af_b</i>	(Optional) Address family
<i>priority_b</i>	(Optional) Priority
<i>down_b</i>	(Optional) Master down interval
<i>owner_b</i>	(Optional) Owner mode
<i>preempt_b</i>	(Optional) Preemption status
<i>state_b</i>	(Optional) Group state
<i>m_addr_b</i>	(Optional) Group master router address
<i>vip_b</i>	(Optional) Primary virtual IP address

Command Mode

- /exec

show vrrs client

```
show vrrs client [ <cname> ] [ __readonly__ { TABLE_client <name> <id> <all> <priority> { TABLE_tags
<tname> } } ]
```

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
client	Information about VRRS clients
<i>cname</i>	(Optional) VRRS client name
<i>__readonly__</i>	(Optional)
TABLE_client	(Optional) VRRS clients
TABLE_tags	(Optional) VRRS tags
<i>name</i>	(Optional) VRRS client name
<i>id</i>	(Optional) VRRS client id
<i>priority</i>	(Optional) Priority
<i>all</i>	(Optional) Client follows all tags
<i>tname</i>	(Optional) VRRS tag name

Command Mode

- /exec

show vrrs pathway

```
show vrrs pathway [ <intf> ] [ __readonly__ { TABLE_pws <name> <state> <vrrs_push_state> <vmac>
<vmac_state> <vmac_dbg> [ <pvmac> ] [ <pvmac_state> ] [ <pvmac_dbg> ] <af> [ <desc> ] <opt> <eval>
[ { TABLE_vips <addr> [ <flags> } ] } ] }
```

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
pathway	Information about VRRS pathways
<i>intf</i>	(Optional) Interface
<i>__readonly__</i>	(Optional)
TABLE_pws	(Optional) Show VRRS pathways
TABLE_vips	(Optional) Pathway vIP addresses
<i>name</i>	(Optional) Pathway name
<i>state</i>	(Optional) Pathway state
<i>vrrs_push_state</i>	(Optional) VRRS push state
<i>vmac</i>	(Optional) Virtual MAC address
<i>vmac_state</i>	(Optional) Virtual MAC state
<i>vmac_dbg</i>	(Optional) Virtual MAC debug flags
<i>pvmac</i>	(Optional) Previous Virtual MAC address
<i>pvmac_state</i>	(Optional) Previous MAC state
<i>pvmac_dbg</i>	(Optional) Previous MAC debug flags
<i>af</i>	(Optional) Pathway address-family
<i>desc</i>	(Optional) Pathway description
<i>opt</i>	(Optional) Option flags
<i>eval</i>	(Optional) Eval flags
<i>addr</i>	(Optional) Virtual IP address
<i>flags</i>	(Optional) Virtual IP address flags

Command Mode

- /exec

show vrrs server

```
show vrrs server [ __readonly__ { TABLE_srv <name> <af> <intf> <state> <vmac> <vip> [ { TABLE_tag
<tag> } ] } ]
```

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
server	Information about VRRS servers
__readonly__	(Optional)
TABLE_srv	(Optional) VRRS Servers
TABLE_tag	(Optional) VRRS tags associated with each server
<i>name</i>	(Optional) VRRS server name
<i>af</i>	(Optional) Address-family
<i>intf</i>	(Optional) Interface
<i>state</i>	(Optional) VRRS server state
<i>vmac</i>	(Optional) Virtual MAC address
<i>vip</i>	(Optional) Virtual IP address
<i>tag</i>	(Optional) VRRS tag

Command Mode

- /exec

show vrrs tag

```
show vrrs tag [ <tagname> ] [ __readonly__ { TABLE_tag <name> <server> [ { TABLE_client <id> <client>
<all> } ] } ]
```

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
tag	Information about VRRS tags
<i>tagname</i>	(Optional) VRRS tag
<i>__readonly__</i>	(Optional)
TABLE_tag	(Optional) Known VRRS tags
TABLE_client	(Optional) VRRS clients listening
<i>name</i>	(Optional) VRRS tag name
<i>server</i>	(Optional) VRRS server name
<i>id</i>	(Optional) VRRS client id
<i>client</i>	(Optional) VRRS client name
<i>all</i>	(Optional) Client follows all tags

Command Mode

- /exec

show vsan

```
show vsan [ <id_in> ] [ __readonly__ { TABLE_vsan <id> { [ <name> <state> <interop_mode>
<load_balancing> <operational_state> ] | <inactive_vsan_name> | <evfp_control_vsan_name> } } ]
```

Syntax Description

show	Show running system information
vsan	Vsan commands
<i>id_in</i>	(Optional) VSAN ID range
<i>__readonly__</i>	(Optional) Read Only
TABLE_vsan	(Optional) Table of VSAN's
<i>id</i>	(Optional) VSAN ID
<i>name</i>	(Optional) VSAN name
<i>state</i>	(Optional) VSAN state
<i>interop_mode</i>	(Optional) Interoperability mode
<i>load_balancing</i>	(Optional) Load balancing
<i>operational_state</i>	(Optional) Operational state
<i>inactive_vsan_name</i>	(Optional) Isolated VSAN
<i>evfp_control_vsan_name</i>	(Optional) EVFP isolated VSAN

Command Mode

- /exec

show vsan membership

```
show vsan [ <id_in> ] membership [ __readonly__ { TABLE_vsan <id> [ <inactive_vsan_name> ] [
<evfp_control_vsan_name> ] [ TABLE_interface <name> ] } ]
```

Syntax Description

show	Show running system information
vsan	Vsan commands
<i>id_in</i>	(Optional) VSAN ID range
membership	VSAN membership information
<i>__readonly__</i>	(Optional) Read Only
TABLE_vsan	(Optional) VSAN table
<i>id</i>	(Optional) VSAN ID
<i>inactive_vsan_name</i>	(Optional) Isolated VSAN
<i>evfp_control_vsan_name</i>	(Optional) EVFP isolated VSAN
TABLE_interface	(Optional) List of interface members
<i>name</i>	(Optional) Interface name

Command Mode

- /exec

show vsan membership interface

```
show vsan membership interface <if_in> [ __readonly__ { TABLE_interface <name> <vsan_id_memb> [
<inactive_vsan_name> | <evfp_control_vsan_name> ] <allowed_vsan_list> } ]
```

Syntax Description

show	Show running system information
vsan	Vsan commands
membership	VSAN membership information
interface	Show interface status and information
<i>if_in</i>	Interface range
<i>__readonly__</i>	(Optional) Read Only
<i>TABLE_interface</i>	(Optional) Interface VSAN table
<i>name</i>	(Optional) Interface Name
<i>vsan_id_memb</i>	(Optional) VSAN ID to which interface belongs
<i>inactive_vsan_name</i>	(Optional) Isolated VSAN
<i>evfp_control_vsan_name</i>	(Optional) EVFP isolated VSAN
<i>allowed_vsan_list</i>	(Optional) Allowed VSAN list

Command Mode

- /exec

show vsan usage

```
show vsan usage [ __readonly__ { <num_vsans_configured> <configured_range_of_vsans>
<vsans_available_to_configure> } ]
```

Syntax Description

show	Show running system information
vsan	Vsan commands
usage	show VSAN usage in the system
<i>__readonly__</i>	(Optional) Read Only
<i>num_vsans_configured</i>	(Optional) Total VSAN's configured
<i>configured_range_of_vsans</i>	(Optional) Range of VSAN's configured
<i>vsans_available_to_configure</i>	(Optional) VSAN range available to configure

Command Mode

- /exec

show vtp counters

```
show vtp counters [ __readonly__ <start> <summary_rx> <subset_rx> <request_rx> <summary_tx>
<subset_tx> <request_tx> <num_config_rev_error> <num_config_digest_error> <num_v1_summary_error>
[ { TABLE_pruning_counters <if_index> <join_tx> <join_rx> <summary_adv_v1_rx> } ] ]
```

Syntax Description

show	Show running system information
vtp	VTP information
counters	VTP statistics
<i>__readonly__</i>	(Optional) Read Only
<i>start</i>	(Optional) Start
<i>summary_rx</i>	(Optional) Summary advertisements received
<i>subset_rx</i>	(Optional) Subset advertisements received
<i>request_rx</i>	(Optional) Request advertisements received
<i>summary_tx</i>	(Optional) Summary advertisements transmitted
<i>subset_tx</i>	(Optional) Subset advertisements transmitted
<i>request_tx</i>	(Optional) Request advertisements transmitted
<i>num_config_rev_error</i>	(Optional) Number of config revision errors
<i>num_config_digest_error</i>	(Optional) Number of config digest errors
<i>num_v1_summary_error</i>	(Optional) Number of V1 summary errors
TABLE_pruning_counters	(Optional) Pruning counters in table format
<i>if_index</i>	(Optional) Trunk
<i>join_tx</i>	(Optional) Join Transmitted
<i>join_rx</i>	(Optional) Join Received
<i>summary_adv_v1_rx</i>	(Optional) Summary advts received from non-pruning-capable device

Command Mode

- /exec

show vtp interface

```
show vtp interface [ <interface_range> ] [ __readonly__ [ <start> ] { TABLE_vtp_interface <if_index>
<status> } ]
```

Syntax Description

show	Show running system information
vtp	VTP information
interface	VTP interface status and configuration
<i>interface_range</i>	(Optional) Enter interfaces
<i>__readonly__</i>	(Optional) Read Only
<i>start</i>	(Optional) Start
TABLE_vtp_interface	(Optional) VTP interface configuration in table format
<i>if_index</i>	(Optional) Trunk
<i>status</i>	(Optional) VTP interface status

Command Mode

- /exec

show vtp password

```
show vtp password [ domain <domain-id> ] [ __readonly__ <start> <passwd> <password-type> <secret-key> ]
```

Syntax Description

show	Show running system information
vtp	VTP information
password	VTP password
domain	(Optional) VTP administrative domain
<i>domain-id</i>	(Optional) Domain index(Domain-id)
<i>__readonly__</i>	(Optional) Read Only
<i>start</i>	(Optional) Start
<i>passwd</i>	(Optional) VTP Domain Password
<i>password-type</i>	(Optional) Password Type (1=plaintext, 2=hidden)
<i>secret-key</i>	(Optional) Secret Key for the password

Command Mode

- /exec

show vtp status

```
show vtp status [ __readonly__ <start> <version> <config_rev> <max_vlan_supported_local>
<num_current_vlans> <oper_mode> <domain_name> <pruning_mode> <oper_pruning_mode> <v2_mode>
<trap_enabled> <md5_digest> <last_modified_ip> <last_modified_time> <running-version> <updater_id>
<updater_reason> ]
```

Syntax Description

show	Show running system information
vtp	VTP information
status	VTP domain status
<i>__readonly__</i>	(Optional) Read Only
<i>start</i>	(Optional) Start
<i>version</i>	(Optional) VTP version
<i>config_rev</i>	(Optional) Configuration Revision
<i>max_vlan_supported_local</i>	(Optional) Maximum VLANs supported locally
<i>num_current_vlans</i>	(Optional) Number of existing VLANs
<i>oper_mode</i>	(Optional) VTP Mode
<i>domain_name</i>	(Optional) VTP Domain Name
<i>pruning_mode</i>	(Optional) Pruning Mode
<i>oper_pruning_mode</i>	(Optional) Operational Pruning Mode
<i>v2_mode</i>	(Optional) VTP v2 Mode
<i>trap_enabled</i>	(Optional) trap enabled
<i>md5_digest</i>	(Optional) MD5 Digest
<i>last_modified_ip</i>	(Optional) Configuration last modified by
<i>last_modified_time</i>	(Optional) Configuration last modified at
<i>running-version</i>	(Optional) VTP Version Running
<i>updater_id</i>	(Optional) Local Updater id
<i>updater_reason</i>	(Optional) Local Updater id reason

Command Mode

- /exec

show vtp status



W Show Commands

- [show wred-queue qos-group-map](#), on page 3580
- [show wrr-queue qos-group-map](#), on page 3581
- [show wrr-unicast-bandwidth](#), on page 3582
- [show wwn oui](#), on page 3583
- [show wwn status](#), on page 3584
- [show wwn switch](#), on page 3585
- [show wwn test](#), on page 3586
- [show wwn vsan-wwn](#), on page 3588

show wred-queue qos-group-map

```
show wred-queue qos-group-map [ __readonly__ TABLE_wred_queue_qos_group_map
<wred-queue><qos-group-map> ]
```

Syntax Description

show	Show running system information
wred-queue	Show WRED qos-group information
qos-group-map	Display mapping of the qos-group information
__readonly__	(Optional)
TABLE_wred_queue_qos_group_map	(Optional) XML show wred-queue qos-group-map

Command Mode

- /exec

show wrr-queue qos-group-map

```
show wrr-queue qos-group-map [ __readonly__ <mcast_queue_id> [ TABLE_wrr_queue <wrr_queue> [
TABLE_qos_group <qos_group> ] ] ]
```

Syntax Description

show	Show running system information
wrr-queue	Display mapping of traffic priority (CoS) values to L3 Multicast
qos-group-map	Show wrr-queue qos-group-map
<i>__readonly__</i>	(Optional)
<i>mcast_queue_id</i>	(Optional) MCAST Queue ID
<i>TABLE_wrr_queue</i>	(Optional) Table wrr queue
<i>wrr_queue</i>	(Optional) Traffic priority values
<i>TABLE_qos_group</i>	(Optional) Table qos group
<i>qos_group</i>	(Optional) QoS-Group-Map

Command Mode

- /exec

show wrr unicast-bandwidth

show wrr unicast-bandwidth [__readonly__ TABLE_wrr_unicast_bandwidth <unicast-bandwidth>]

Syntax Description

show	Show running system information
wrr	unicast bandwidth configuration
unicast-bandwidth	rate in precentage of data rate
__readonly__	(Optional)
TABLE_wrr_unicast_bandwidth	(Optional) XML show wrr unicast-bandwidth
<i>unicast-bandwidth</i>	(Optional) unicast bandwidth value

Command Mode

- /exec

show wwn oui

```
show wwn oui [ __readonly__ [ TABLE_oui <oui> [ <vendor> ] [ <type> ] ] ]
```

Syntax Description

show	Show running system information
wwn	show wwn information
oui	Show oui database
__readonly__	(Optional) Read Only
TABLE_oui	(Optional) show wwn oui table
<i>oui</i>	(Optional) oui of the switch
<i>vendor</i>	(Optional) Switch vendor name
<i>type</i>	(Optional) Default/Static

Command Mode

- /exec

show wwn status

```
show wwn status [ { backplane-prom | block-id <i0> | non-volatile-pss | volatile-pss } ] [ __readonly__ [
TABLE_status <type> <configured> <available> <avbl_percent> <resd> <alarm> ] [ <wwn_start> <wwn_end>
<num_of_wwn> <allocated_wwn> <available_wwn> <alloc_status> ] ]
```

Syntax Description

show	Show running system information
wwn	show wwn information
status	Show overall WWN Usage and Alarm Status
backplane-prom	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
block-id	(Optional) Enter a block id.
i0	(Optional) Enter a block id.
non-volatile-pss	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
volatile-pss	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional) Read Only
TABLE_status	(Optional) show wwn status table
type	(Optional) WWN Type
configured	(Optional) Number of Configured WWNs
available	(Optional) Number of Available WWNs
avbl_percent	(Optional) Available % of WWNs
resd	(Optional) Reserved WWNs
alarm	(Optional) Alarm State
wwn_start	(Optional) Start value of WWN-range
wwn_end	(Optional) End value of WWN-range
num_of_wwn	(Optional) Total Number of WWNs
allocated_wwn	(Optional) Number of Allocated WWNs
available_wwn	(Optional) Number of Available WWNs
alloc_status	(Optional) Block Allocation Status

Command Mode

- /exec

show wwn switch

```
show wwn switch [ __readonly__ { <sw_wwn> } ]
```

Syntax Description

show	Show running system information
wwn	show wwn information
switch	Show switch WWN
__readonly__	(Optional) Read Only
<i>sw_wwn</i>	(Optional) The Switch WWN

Command Mode

- /exec

show wwn test

```
show wwn test { get_swwn_from_pwwn <wwn0> | get_pwwn_from_swwn <wwn1> if_index <i0> |
get_ifindex_from_fwwn <wwn2> | get_ifindex_from_pwwn <wwn3> | validate_pwwn_given_swwn <wwn4>
pwwn <wwn5> | get_all_pwwn_for_slot <i1> | get_kc_type_given_swwn <wwn6> pwwn <wwn7> |
get_ifindex_from_pwwn_swwn <wwn8> pwwn <wwn9> }
```

Syntax Description

show	show running system information
wwn	show wwn information
test	show wwn information for testing
get_swwn_from_pwwn	show switch wwn from port wwn
<i>wwn0</i>	port wwn
get_pwwn_from_swwn	show port wwn from switch wwn
<i>wwn1</i>	switch wwn
if_index	interface index
<i>i0</i>	Interface index
get_ifindex_from_fwwn	show ifindex from fabric wwn
<i>wwn2</i>	fabric wwn
get_ifindex_from_pwwn	show ifindex from port wwn
<i>wwn3</i>	port wwn
validate_pwwn_given_swwn	validate port wwn for given swwn
<i>wwn4</i>	switch wwn
pwwn	port wwn
<i>wwn5</i>	port wwn
get_all_pwwn_for_slot	show all port wwn for a given slot
<i>i1</i>	Slot number
get_kc_type_given_swwn	show KC type
<i>wwn6</i>	switch wwn
pwwn	port wwn
<i>wwn7</i>	port wwn

get_ifindex_from_pwwn_swwn	show ifindex for given pwwn and swwn
wwn8	switch wwn
pwwn	port wwn
wwn9	port wwn

Command Mode

- /exec

show wwn vsan-wwn

```
show wwn vsan-wwn [ __readonly__ [ TABLE_wwnvsan <vsan_id> <wwn_conf> ] ]
```

Syntax Description

show	Show running system information
wwn	show wwn information
vsan-wwn	Show all user configured vsan wwn
__readonly__	(Optional) Read Only
TABLE_wwnvsan	(Optional) vsan-wwn table
<i>vsan_id</i>	(Optional) VSAN ID
<i>wwn_conf</i>	(Optional) wwn configured by user

Command Mode

- /exec



X Show Commands

- [show](#), on page 3590
- [show xml server logging configuration](#), on page 3591
- [show xml server status](#), on page 3592

show

show

Syntax Description

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

Command Mode

- /exec/elanms/outse10

show xml server logging configuration

show xml server logging configuration

Syntax Description

show	Show running system information
xml	Show xmlagent logging configuration
server	xml agent server
logging	Show logging configuration and contents of logfile
configuration	Show facility logging configuration

Command Mode

- /exec

show xml server status

```
show xml server status [ __readonly__ { operational_status <o_status> } { maximum_sessions_configured
<max_session> } [ { TABLE_sessions <session_id> <user_name> <start_time> <sap_id> <timeout>
<time_remaining_to_timeout> <ip_addr> } ] ]
```

Syntax Description

show	to display xml agent information
xml	xml agent
server	xml agent server
status	display xml agent information
<i>__readonly__</i>	(Optional)
<i>operational_status</i>	(Optional) run-time info about xml
<i>o_status</i>	(Optional) operational status of the xml
<i>maximum_sessions_configured</i>	(Optional) the max session configured
<i>max_session</i>	(Optional) max sessions number
<i>TABLE_sessions</i>	(Optional) all xml sessions
<i>session_id</i>	(Optional) one xml session id
<i>user_name</i>	(Optional) the xml session user name
<i>start_time</i>	(Optional) the xml session start time
<i>sap_id</i>	(Optional) the mts sap id
<i>timeout</i>	(Optional) inactivity timeout value
<i>time_remaining_to_timeout</i>	(Optional) time remaining to timeout
<i>ip_addr</i>	(Optional) ip address of the session

Command Mode

- /exec



Z Show Commands

- [show zone-attribute-group, on page 3594](#)
- [show zone, on page 3595](#)
- [show zone active, on page 3596](#)
- [show zone analysis, on page 3597](#)
- [show zone ess, on page 3598](#)
- [show zone member, on page 3599](#)
- [show zone name, on page 3601](#)
- [show zone name active, on page 3602](#)
- [show zone name pending, on page 3603](#)
- [show zone pending-diff, on page 3604](#)
- [show zone pending, on page 3605](#)
- [show zone policy, on page 3606](#)
- [show zone smart-zoning auto-conv log errors, on page 3607](#)
- [show zone smart-zoning auto-conv status vsan, on page 3608](#)
- [show zone statistics, on page 3609](#)
- [show zone statistics vsan, on page 3610](#)
- [show zone status, on page 3611](#)
- [show zone vsan, on page 3612](#)
- [show zone vsan, on page 3613](#)
- [show zoneset, on page 3614](#)

show zone-attribute-group

```
show zone-attribute-group [ [ name <s0> ] [ [ pending ] [ vsan <i0> ] ] ]
```

Syntax Description

show	Show running system information
zone-attribute-group	Attribute-group show commands
name	(Optional) Show attributes of a specified attribute-group
<i>s0</i>	(Optional) Enter the name of attr_group
pending	(Optional) Show attributes of a specified attribute-group in session
vsan	(Optional) Show attr_groups belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone

show zone

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show zone active

show zone active [vsan <i0>]

Syntax Description

show	Show running system information
active	Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone analysis

```
show zone analysis [ pending ] { active vsan <i0> | vsan1 <i1> | zoneset <s0> vsan2 <i2> }
```

Syntax Description

show	Show running system information
analysis	Show analysis
pending	(Optional) Show zoneset analysis in the pending database
active	Show active zoneset analysis
vsan	Show active zoneset analysis in the specified VSAN
<i>i0</i>	VSAN id range
vsan1	Show analysis in the specified VSAN
<i>i1</i>	VSAN id range
zoneset	Show zoneset analysis
<i>s0</i>	Zoneset name
vsan2	Show zoneset analysis in the specified VSAN
<i>i2</i>	VSAN id range

Command Mode

- /exec

show zone ess

show zone ess [vsan <i0>]

Syntax Description

show	Show running system information
ess	Show ESS info
vsan	(Optional) Show ESS info belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone member

```
show zone member { fcalias <s0> [ [ active ] [ vsan <i0> ] ] | fcid <fcid1> [ [ lun <lun2> ] [ [ active ] [ vsan1
<i3> ] ] ] | pwwn <wwn4> [ [ lun1 <lun5> ] [ [ active ] [ vsan2 <i6> ] ] ] | device-alias <s7> [ [ lun2 <lun8>
] [ [ active ] [ vsan3 <i9> ] ] ] }
```

Syntax Description

show	Show running system information
member	Show all zones in which the given member is part of
fcalias	Alias Name
<i>s0</i>	Enter the name of fcalias
active	(Optional) Show zones from active database
vsan	(Optional) Displays only those zones which belong to the specified VSAN
<i>i0</i>	(Optional) VSAN id range
fcid	FCID
<i>fcid1</i>	Enter FCID
lun	(Optional) LUN
<i>lun2</i>	(Optional) Enter LUN
active	(Optional) Show zones from active database
vsan1	(Optional) Displays only those zones which belong to the specified VSAN
<i>i3</i>	(Optional) VSAN id range
pwwn	WWN
<i>wwn4</i>	Enter Port WWN
lun1	(Optional) LUN
<i>lun5</i>	(Optional) Enter LUN
active	(Optional) Show zones from active database
vsan2	(Optional) Displays only those zones which belong to the specified VSAN
<i>i6</i>	(Optional) VSAN id range
device-alias	Device-Alias

<i>s7</i>	Enter device-alias
<i>lun2</i>	(Optional) LUN
<i>lun8</i>	(Optional) Enter LUN
<i>active</i>	(Optional) Show zones from active database
<i>vsan3</i>	(Optional) Displays only those zones which belong to the specified VSAN
<i>i9</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone name

show zone name <s0>

Syntax Description

show	Show running system information
name	Show members of a specified zone
s0	Enter the name of zone

Command Mode

- /exec

show zone name active

show zone name <s0> active [vsan <i0>]

Syntax Description

show	Show running system information
name	Show members of a specified zone
<i>s0</i>	Enter the name of zone
active	Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone name pending

```
show zone name <s0> pending [ { active [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
name	Show members of a specified zone
<i>s0</i>	Enter the name of zone
pending	Show members of a specified zone in session
active	(Optional) Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) Show zones belonging to the specified VSAN
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone pending-diff

show zone pending-diff [vsan <i0>]

Syntax Description

show	Show running system information
pending-diff	Zone Server pending changes
vsan	(Optional) Show pending changes belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone pending

```
show zone pending [ { active [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
pending	Show members of a specified zone in session
active	(Optional) Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) Show zones belonging to the specified VSAN
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone policy

show zone policy [{ pending [vsan <i0>] | vsan1 <i1> }]

Syntax Description

show	Show running system information
policy	Show zone policies
pending	(Optional) Show zone policies pending
vsan	(Optional) Show zone policies pending in specified VSAN
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) Show zone policies belonging to the specified VSAN
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone smart-zoning auto-conv log errors

show zone smart-zoning auto-conv log errors

Syntax Description

show	Show running system information
smart-zoning	Show smart-zoning commands
auto-conv	Show auto-convert status
log	Show logged messages
errors	Show error-logs for smart-zoning auto-convert

Command Mode

- /exec

show zone smart-zoning auto-conv status vsan

show zone smart-zoning auto-conv status vsan <i0>

Syntax Description

show	Show running system information
smart-zoning	Show smart-zoning commands
auto-conv	Show previous auto-convert status
status	Show previous auto-convert status
vsan	Show previous auto-convert status for a VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zone statistics

show zone statistics

Syntax Description

show	Show running system information
statistics	Show zone server statistics

Command Mode

- /exec

show zone statistics vsan

show zone statistics vsan <i0>

Syntax Description

show	Show running system information
statistics	Show zone server statistics
vsan	Show statistics belonging to the specified VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zone status

```
show zone status [ { vsan <i0> | global } ]
```

Syntax Description

show	Show running system information
status	Show zone server current status
vsan	(Optional) Show zone server current status for a VSAN
global	(Optional) Show zone server global values
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone vsan

show zone [name <s0>] vsan <i0>

Syntax Description

show	Show running system information
name	(Optional) Show members of a specified zone
s0	(Optional) Enter the name of zone
vsan	Show zones belonging to the specified VSAN
i0	VSAN id range

Command Mode

- /exec

show zone vsan

show zone vsan <i0>

Syntax Description

show	Show running system information
vsan	Show zones belonging to the specified VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zoneset

```
show zoneset [ [ name <s0> ] [ [ pending ] [ [ brief ] [ [ active ] [ vsan <i0> ] ] ] ] ]
```

Syntax Description

show	Show running system information
zoneset	Zoneset show commands
name	(Optional) Show members of a specified zoneset
<i>s0</i>	(Optional) Enter the name of zoneset
pending	(Optional) Show members of a specified zoneset in session
brief	(Optional) Show members in brief mode
active	(Optional) Show only active zonesets
vsan	(Optional) Show zonesets belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec



PART II

New, Changed, and Deprecated Commands

- [New, Changed, and Deprecated Show Commands, on page 3617](#)



New, Changed, and Deprecated Show Commands

- [New, Changed, and Deprecated Show Commands in Cisco NX-OS Releases 10.3\(2\) through 10.3\(4a\)](#), on page 3618

New, Changed, and Deprecated Show Commands in Cisco NX-OS Releases 10.3(2) through 10.3(4a)

New Commands

The following commands are added in these releases.

- show { access-lists [<acl-ip-ipv6-mac-name>] | ip access-lists [<acl-ip-name>] | mac access-lists [<acl-mac-name>] | ipv6 access-lists [<acl-ipv6-name>] } [capture session <capture_session>] [<expanded> | <summary> | <private> | <brief> | <stats-detail>]
- show consistency-checker epbr policy { <policyName> | all } [brief | detail]
- show consistency-checker itd ingress vlan <vlanId> [brief | detail]
- show consistency-checker pv-mapping
- show consistency-checker pv-mapping interface {<int-id> | <ch-id>}
- show consistency-checker vxlan l2pt
- show consistency-checker vxlan pv interface {<int-id> | <ch-id>}
- show crypto key mypubkey ecc
- show fabric multicast trigger-mrib-update vrf {<vrf-name> | <vrf-known-name>} source <source> group <group> [delete]
- show forwarding distribution multicast vxlan mdt-db
- show forwarding distribution multicast vxlan mdt-db pss
- show forwarding kvfib socket descriptor
- show intersight claim-info
- show intersight log { dc | dcgrpc | cnmi | nae | sim | compliance }
- show ip arp static remote [vlan <vlan-id>] [vrf {<vrf-name> | <vrf-known-name> | all}]
- show ip pim pfm-sd cache [[<source> [<group>]] | [<group> [<source>]]] [vrf {<vrf-name> | <vrf-known-name> | all}] [local | remote-discovery | batch]
- show ipv6 icmp neighbor static remote [vlan <vlan-id>] [vrf {<vrf-name> | <vrf-known-name> | all}]
- show ipv6 nd addr-registry
- show ipv6 nd node-ip
- show key chain [<keychain>] [detail]
- show l2route spmsi {topology <topo-id> | all} [detail]
- show license rum id all
- show logging level app-hosting

- show mdns-sd sdg service-peer summary
- show mdns-sd sp-sdg statistics
- show nbm interface {all | <if-name>} [flow-bandwidth [ingress | egress]]
- show nve resource-limits multicast
- show nve vni { <vni-id> | all } mdt [{ local | remote | peer-sync }] [{ <cs> <cg>} | { <cs6> <cg6>}]
- show nve vrf { <vrfname> | all } mdt [{ local | remote | peer-sync }] [{ <cs> <cg>} | { <cs6> <cg6>}]
- show ptp detail
- show running-config app-hosting
- show running-config intersight
- show running-config storm-control
- show startup-config app-hosting
- show startup-config intersight
- show startup-config storm-control
- show system device-connector claim-info
- show system device-connector log { dc | dcgrpce | cnmi | nae | sim | compliance}
- show tech-support fc-fcoe
- show tech-support flow-redirect
- show time-stamp hpt brief
- show userpassphrase min-unique
- show { access-lists [<acl-ip-ipv6-mac-name>] | ip access-lists [<acl-ip-name>] | mac access-lists [<acl-mac-name>] | ipv6 access-lists [<acl-ipv6-name>] } [capture session <capture_session>] [<expanded> | <summary> | <private> | <brief> | <stats-detail>]

Changed Commands

The following commands are modified in these releases.

- OLD: resequence {{<ip_ipv6_mac_arp> access-list} | time-range} <name> <number> <increment>
- NEW: resequence {{ip access-list <acl-ip-name> | ipv6 access-list <acl-ipv6-name> | mac access-list <acl-mac-name> | arp access-list <name> } | time-range <time_range_name> } <number> <increment>
- OLD: show bfd {{vrf {<vrf-name> | <vrf-known-name> | all}} {<ip_type>}} neighbors { [multihop] | [module <module>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{src-ip <src_ip> | src-ipv6 <src_ipv6>}] | [{dest-ip <dest_ip> | dest-ipv6 <dest_ipv6>}] | [vrf {<vrf-name> | <vrf-known-name> | all}] }+ [details]
- NEW: show bfd {{vrf {<vrf-name> | <vrf-known-name> | all}} {<ip_type>}} neighbors { [multihop] | [srte-echo] | [module <module>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{src-ip

<src_ip> | src-ipv6 <src_ipv6>} | {dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> } | [vrf {<vrf-name> | <vrf-known-name> | all}] }+ [details]

- OLD: show cli syntax [long | recurse]+ [has-xml-out | has-no-xml-out | is-data-modeled] [roles [network-admin | network-operator | <roles-mask>]]
- NEW: show cli syntax [long | recurse]+ [has-xml-out | has-no-xml-out | is-data-modeled | has-no-data-modeled | has-dme-exempt] [roles [network-admin | network-operator | <roles-mask>]]
- OLD: show consistency-checker fcoe [{ interface <if1> [{exclude ping}] } | { npv [server-interface <svr_if1> external-interface <ext_if1>] } | { hw-table { pif | vif | ucpcfg | vsan | acl | fib [flogi | domain [local | remote]] | fcf | zone | mac } } | { [exclude] ping } | { drop [ingress | egress] }] [verbose [detail]]
- NEW: show consistency-checker fcoe [{ interface <if1> [{exclude ping}] } | { npv [server-interface <svr_if1> external-interface <ext_if1>] } | { hw-table { pif | vif | ucpcfg | vsan | acl | fib [flogi | domain [local | remote]] | fcf | zone | mac } } | { [exclude] ping } | { drop [ingress | egress] } | qos] [verbose [detail]]
- OLD: show fabric multicast trigger-bgp-update vnid <vnid> source <source> group <group> nlri-origin <nlri-origin> [core] [delete] [starg] [sa-ad-route]
- NEW: show fabric multicast trigger-bgp-update vnid <vnid> source <source> group <group> nlri-origin <nlri-origin> [core] [delete] [starg][sa-ad-route | spmsi-route | l2evpn-route]
- OLD: show fabric multicast { ipv4 { mroute [{<v4_group> [<v4_source>]] } | ssm-range | rp-grange | sa-ad-route [{<v4_group> [<v4_source>]] } | ipv6 { mroute [{<v6_group> [<v6_source>]] } | ssm-range | rp-grange | sa-ad-route [{<v6_group> [<v6_source>]] } } } [vrf {<vrf-name> | <vrf-known-name> | all}]
- NEW: show fabric multicast { ipv4 { mroute [{<v4_group> [<v4_source>]] | {<v4_source> <v4_group> }] | ssm-range | rp-grange | sa-ad-route [{<v4_group> [<v4_source>]] | {<v4_source> <v4_group> }] | spmsi-ad-route [{<v4_group> [<v4_source>]] | {<v4_source> <v4_group> }] } | ipv6 { mroute [{<v6_group> [<v6_source>]] | {<v6_source> <v6_group> }] | ssm-range | rp-grange | sa-ad-route [{<v6_group> [<v6_source>]] | {<v6_source> <v6_group> }] | spmsi-ad-route [{<v6_group> [<v6_source>]] | {<v6_source> <v6_group> }] } } [vrf {<vrf-name> | <vrf-known-name> | all}] [detail]
- OLD: show forwarding nve l3 adjacency tunnel [<tunnel_id> | all] [bd <bd_id> | detail | module <module> | table <table_id>]
- NEW: show forwarding nve l3 adjacency tunnel {<tunnel_id> | all} [bd <bd_id> | detail | module <module> | table <table_id>]
- OLD: show forwarding nve l3 adjacency v6-tunnel [<peer-ip> | all] [bd <bd_id> | detail | module <num> | table <table_id>]
- NEW: show forwarding nve l3 adjacency v6-tunnel {<peer-ip> | all} [bd <bd_id> | detail | module <num> | table <table_id>]
- OLD: show hardware vxlan storm-control
- NEW: show hardware vxlan storm-control
- OLD: show icam prediction scale [{ l2-switching [mac-addresses | mst-instances | mst-vports | rpvt-vports | rpvt-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport |

```

rpvst-vport | rpvst-vlan | isolated-portvlan } | vlan { vlan-count } ] } | {multicast-routing [ multicast-routes
| igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4
| route-starg-v4 | route-sg-v6 | route-starg-v6 | outgoing-interface } | igmp { group } | pim { neighbor }
] } | {unicast-routing [ bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes |
ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp {
neighbor } | eigrp { route | neighbor } | hsrp { mac } | arp { arp-count } | ipv6-nd { nd-count } | routing
{ host-route-v4 | host-route-v6 | lpm-route-v4 | lpm-route-v6 } | isis { adjacency | bfd-session | route } |
ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp { grp-per-intf } | pbr { seq-per-policy | nh-per-policy
| ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf | grp-dft-timer | grp-relax-timer | path-dft-timer
| grp-and-path } ] } | {vxlan [ igmp { vlan | vtep | underlay-mcast-group } | fl { vni | underlay-mcast-group
| overlay-mac | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch
| static-mac-to-vtep | vlan-logical-port-vp | vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni
| svi | vrf | underlay-mcast-group | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 |
overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf |
vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 |
vlan-logical-port-vp | vlan-per-fex-port | igmp-group } ] } ] <YYYY> <Month> <Date> <Time>

```

- NEW: show icam prediction scale [{ {l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport | rpvst-vport | rpvst-vlan | isolated-portvlan | rpvst-lport } | vlan { vlan-count }] } | {multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4 | route-starg-v4 | route-sg-v6 | route-starg-v6 | outgoing-interface } | igmp { group } | pim { neighbor }] } | {unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp { mac } | arp { arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 | lpm-route-v6 } | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp { grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf | grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path }] } | {vxlan [igmp { vlan | vtep | underlay-mcast-group } | fl { vni | underlay-mcast-group | overlay-mac | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp | vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni | svi | vrf | underlay-mcast-group | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group }] }] <YYYY> <Month> <Date> <Time>

- OLD: show icam scale [{ {l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport | rpvst-vport | rpvst-vlan | isolated-portvlan } | vlan { vlan-count }] } | {multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4 | route-starg-v4 | route-sg-v6 | route-starg-v6 | outgoing-interface } | igmp { group } | pim { neighbor }] } | {unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp { mac } | arp { arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 | lpm-route-v6 } | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp { grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf | grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path }] } | {vxlan [igmp { vlan | vtep | underlay-mcast-group } | fl { vni | underlay-mcast-group | overlay-mac | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp | vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni | svi | vrf | underlay-mcast-group | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group }] }] <YYYY> <Month> <Date> <Time>

overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } } }] [history <num_intervals> [sort { current-scale [ascending | descending] | polled-timestamp [newest | oldest] }] | utilization | thresholds]

- NEW: show icam scale [{ {l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport | rpvst-vport | rpvst-vlan | isolated-portvlan | rpvst-lport } | vlan { vlan-count } } } | {multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | route-sg-v4 | route-starg-v4 | route-sg-v6 | route-starg-v6 | outgoing-interface } | igmp { group } | pim { neighbor }] } | {unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp { mac } | arp { arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 | lpm-route-v6 } | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp { grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf | grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path }] } | {vxlan [igmp { vlan | vtep | underlay-mcast-group } | fl { vni | underlay-mcast-group | overlay-mac | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp | vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni | svi | vrf | underlay-mcast-group | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } } }] [history <num_intervals> [sort { current-scale [ascending | descending] | polled-timestamp [newest | oldest] }] | utilization | thresholds]
- OLD: show l2route evpn ead all [detail]
- NEW: show l2route evpn ead { all | es | evi } [detail]
- OLD: show logging level amt
- NEW: show logging level amt
- OLD: show mdns-sd cache { all | mac <mac-addr> | vlan <vlan-id> | name <service-name> | type {PTR|SRV|TXT|A|AAAA } }
- NEW: show mdns-sd cache { all | mac <mac-addr> | vlan <vlan-id> | name <service-name> | type {PTR|SRV|TXT|A|AAAA } | service-peer <sp-ip> | user-role <role> | vrf <vrf-name> }
- OLD: show nbm host-policy applied receiver { { {local {all | wildcard} | external} [vrf {<vrf-name> | <nbm-vrf-known-name> | all}] } | { local interface <if-name> } }
- NEW: show nbm host-policy applied receiver { {local {all | wildcard | interface <if-name>} | external} [vrf {<vrf-name> | <nbm-vrf-known-name> | all}] }
- OLD: show object-group [<name>]
- NEW: show object-group [<obj-name>]
- OLD: show running-config
- NEW: show running-config [sanitized]
- OLD: show running-config all

- NEW: show running-config all [sanitized]
- OLD: show startup-config
- NEW: show startup-config [sanitized]
- OLD: show system security [common-criteria]
- NEW: show system security [common-criteria | consent-token]
- OLD: show time-range [<name>]
- NEW: show time-range [<time_range_name>]
- OLD: show vlan access-list <name> [<inp_seqno>]
- NEW: show vlan access-list <vACL-name> [<inp_seqno>]
- OLD: show vlan access-map [<name>]
- NEW: show vlan access-map [<vACL-name>]
- OLD: show vlan filter [access-map <name> | vlan <vlan>]
- NEW: show vlan filter [access-map <vACL-name> | vlan <vlan>]

Deprecated Commands

The following commands are removed in these releases.

- show [<ip_ipv6_mac>] access-lists [<name>] [capture session <capture_session>] [<expanded> | <summary> | <private> | <brief> | <stats-detail>]
- show fabric multicast trigger-isis-update nh-addr <nh-addr> swid <swid> [delete]
- show interface server-info interface { all | <ifname> }
- show interface transceiver fex-fabric [calibrations | details]
- show key chain [<keychain>]
- show logging ip access-list cache [detail]
- show logging ip access-list status
- show logging level aclog
- show logging level adjmgr
- show running-config aclog [all]
- show startup-config aclog [all]
- show tech-support openflow platform



PART **III**

Command Output Formats

- [Command Output Formats, on page 3627](#)



Command Output Formats

- [Output Formats for Show Commands, on page 3628](#)

Output Formats for Show Commands

The response from NX-OS show commands can be displayed in various formats. The default command output is plain text, with tables formatted using spaces to align columns. This type of output is easily readable, but may not be convenient as the input for automation scripts. For many show commands, you can choose to have the output delivered in XML format. For any command that supports XML output, a further option is JSON output.

Checking for XML/JSON Support

To determine whether a show command supports XML output, pipe the output to `| validate-xml`, as in this example:

```
# show version | validate-xml
Schema version is 1.0
The output is valid.
```

To determine whether a show command supports JSON output, pipe the output to `| validate-json`, as in this example:

```
# show version | validate-json
Schema version is 9.3.3.
The JSON output is valid.
```

Specifying XML or JSON Output

To receive the actual command output in XML format, pipe the output to `| xml`, as in this example:

```
# show version | xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<nf:rpc-reply xmlns="http://www.cisco.com/nxos:1.0:sysmgrcli"
xmlns:nf="urn:ietf:params:xml:ns:netconf:base:1.0">
<nf:data>
  <show>
    <version>

[ output cropped ]

    </version>
  </show>
</nf:data>
</nf:rpc-reply>
]]>]]>
```

To receive the command output in JSON format, pipe the output to `| json`. In this case, the JSON output is delivered as a minified JSON block. For a more human-readable presentation, pipe the output to `| json-pretty`, which delivers a visually structured and indented JSON output.

Testing Commands in the NX-OS Sandbox

Cisco DevNet maintains simulator sandboxes for Cisco Nexus switches and many other Cisco products. You can test NX-OS commands and view the resulting command output using the Open NX-OS Programmability lab at the following URL:

<https://devnetsandbox.cisco.com/RM/Diagram/Index/dae38dd8-e8ee-4d7c-a21c-6036bed7a804?diagramType=Topology>

