



T Show Commands

- [show table-map](#), on page 8
- [show tacacs-server](#), on page 9
- [show tacacs-server](#), on page 10
- [show tacacs-server directed-request](#), on page 11
- [show tacacs-server groups](#), on page 12
- [show tacacs-server sorted](#), on page 13
- [show tacacs-server statistics](#), on page 14
- [show tech-support](#), on page 16
- [show tech-support aaa](#), on page 17
- [show tech-support acl](#), on page 18
- [show tech-support aclmgr](#), on page 19
- [show tech-support aclmgr compressed](#), on page 20
- [show tech-support aclqos](#), on page 21
- [show tech-support aclqos compressed](#), on page 22
- [show tech-support adjmgr](#), on page 23
- [show tech-support all](#), on page 24
- [show tech-support all binary](#), on page 25
- [show tech-support analytics](#), on page 26
- [show tech-support analytics](#), on page 27
- [show tech-support arp](#), on page 28
- [show tech-support ascii-cfg](#), on page 29
- [show tech-support assoc_mgr](#), on page 30
- [show tech-support backup](#), on page 31
- [show tech-support bcm](#), on page 32
- [show tech-support bfd](#), on page 33
- [show tech-support bgp](#), on page 34
- [show tech-support biosd](#), on page 35
- [show tech-support bloggerd-all](#), on page 36
- [show tech-support bloggerd](#), on page 37
- [show tech-support bootvar](#), on page 38
- [show tech-support brief](#), on page 39
- [show tech-support callhome](#), on page 40
- [show tech-support cdp](#), on page 41

- [show tech-support cert-enroll](#), on page 42
- [show tech-support cfs](#), on page 43
- [show tech-support cli](#), on page 44
- [show tech-support clis](#), on page 45
- [show tech-support clock_manager](#), on page 46
- [show tech-support commands](#), on page 47
- [show tech-support controller](#), on page 48
- [show tech-support copp](#), on page 49
- [show tech-support cores](#), on page 50
- [show tech-support dcbx](#), on page 51
- [show tech-support details](#), on page 52
- [show tech-support device-alias](#), on page 53
- [show tech-support dhclient](#), on page 54
- [show tech-support dhcp](#), on page 55
- [show tech-support dme](#), on page 56
- [show tech-support dot1x](#), on page 57
- [show tech-support dpvm](#), on page 58
- [show tech-support ecp](#), on page 59
- [show tech-support eem](#), on page 60
- [show tech-support eigrp](#), on page 61
- [show tech-support eltm](#), on page 62
- [show tech-support epbr](#), on page 63
- [show tech-support epp](#), on page 64
- [show tech-support ethpm](#), on page 65
- [show tech-support ethport](#), on page 66
- [show tech-support evb](#), on page 67
- [show tech-support fabric forwarding](#), on page 68
- [show tech-support fabric multicast](#), on page 69
- [show tech-support fabricpath isis](#), on page 70
- [show tech-support fabricpath topology](#), on page 71
- [show tech-support fast-reload](#), on page 72
- [show tech-support fc2](#), on page 73
- [show tech-support fcdomain](#), on page 74
- [show tech-support fcns](#), on page 75
- [show tech-support fcoe](#), on page 76
- [show tech-support fcs](#), on page 77
- [show tech-support feature](#), on page 78
- [show tech-support fib-all](#), on page 79
- [show tech-support fib module](#), on page 80
- [show tech-support fips](#), on page 81
- [show tech-support flogi](#), on page 82
- [show tech-support forwarding l2 multicast](#), on page 83
- [show tech-support forwarding l2 multicast vdc-all](#), on page 84
- [show tech-support forwarding l2 unicast](#), on page 85
- [show tech-support forwarding l3 multicast](#), on page 86
- [show tech-support forwarding l3 multicast detail vdc-all](#), on page 87

- [show tech-support forwarding l3 multicast detail](#), on page 88
- [show tech-support forwarding l3 multicast vdc-all](#), on page 89
- [show tech-support forwarding l3 unicast](#), on page 90
- [show tech-support forwarding l3 unicast detail](#), on page 91
- [show tech-support forwarding l3 unicast detail vdc-all](#), on page 92
- [show tech-support forwarding l3 unicast vdc-all](#), on page 93
- [show tech-support forwarding mpls](#), on page 94
- [show tech-support forwarding multicast](#), on page 95
- [show tech-support forwarding multicast nat](#), on page 96
- [show tech-support forwarding srv6](#), on page 97
- [show tech-support frequency synchronization](#), on page 98
- [show tech-support fspf](#), on page 99
- [show tech-support fsync_mgr](#), on page 100
- [show tech-support gold](#), on page 101
- [show tech-support gpixm](#), on page 102
- [show tech-support ha](#), on page 103
- [show tech-support ha module](#), on page 104
- [show tech-support ha_short](#), on page 105
- [show tech-support ha standby](#), on page 106
- [show tech-support hardware-telemetry](#), on page 107
- [show tech-support hsrp](#), on page 108
- [show tech-support hsrp brief](#), on page 109
- [show tech-support icam](#), on page 110
- [show tech-support icmpv6](#), on page 111
- [show tech-support im](#), on page 112
- [show tech-support imp](#), on page 113
- [show tech-support inband counters](#), on page 114
- [show tech-support include-time](#), on page 115
- [show tech-support install](#), on page 116
- [show tech-support interface-vlan](#), on page 117
- [show tech-support interfaces all](#), on page 118
- [show tech-support ip](#), on page 119
- [show tech-support ip igmp](#), on page 120
- [show tech-support ip igmp snooping](#), on page 121
- [show tech-support ip msdp](#), on page 122
- [show tech-support ip pim](#), on page 123
- [show tech-support ipqos](#), on page 124
- [show tech-support ipv6](#), on page 125
- [show tech-support ipv6 mfwd](#), on page 126
- [show tech-support ipv6 mld](#), on page 127
- [show tech-support ipv6 mld snooping](#), on page 128
- [show tech-support ipv6 multicast](#), on page 129
- [show tech-support ipv6 pim](#), on page 130
- [show tech-support isis](#), on page 131
- [show tech-support issu](#), on page 132
- [show tech-support kstack](#), on page 133

- [show tech-support l2](#), on page 134
- [show tech-support l2fm](#), on page 135
- [show tech-support l2fm clients](#), on page 136
- [show tech-support l2fm detail](#), on page 137
- [show tech-support l2fm l2dbg](#), on page 138
- [show tech-support l2fm l2dbg](#), on page 139
- [show tech-support l2rib](#), on page 140
- [show tech-support l3vm](#), on page 141
- [show tech-support l3vpn](#), on page 142
- [show tech-support lacp](#), on page 143
- [show tech-support ldap](#), on page 144
- [show tech-support license](#), on page 145
- [show tech-support lim](#), on page 146
- [show tech-support lisp](#), on page 147
- [show tech-support lldp](#), on page 148
- [show tech-support logging](#), on page 149
- [show tech-support m2rib](#), on page 150
- [show tech-support macsec](#), on page 151
- [show tech-support macsec detail](#), on page 152
- [show tech-support mfwd](#), on page 153
- [show tech-support mmode](#), on page 154
- [show tech-support module](#), on page 155
- [show tech-support module all](#), on page 156
- [show tech-support monitor](#), on page 157
- [show tech-support monitor erspan](#), on page 158
- [show tech-support monitorc-all](#), on page 159
- [show tech-support mpls manager](#), on page 160
- [show tech-support mpls static](#), on page 161
- [show tech-support mpls strip](#), on page 162
- [show tech-support mpls switching](#), on page 163
- [show tech-support mpls fwd](#), on page 164
- [show tech-support multicast-vxlan-evpn](#), on page 165
- [show tech-support multicast](#), on page 166
- [show tech-support mvpn](#), on page 167
- [show tech-support nat](#), on page 168
- [show tech-support nbm](#), on page 169
- [show tech-support nbm group](#), on page 170
- [show tech-support netflow](#), on page 171
- [show tech-support netstack](#), on page 172
- [show tech-support netstack detail](#), on page 173
- [show tech-support nexus9000v](#), on page 174
- [show tech-support ngoam](#), on page 175
- [show tech-support npacl](#), on page 176
- [show tech-support npv](#), on page 177
- [show tech-support ns](#), on page 178
- [show tech-support ntp](#), on page 179

- [show tech-support nve](#), on page 180
- [show tech-support nxapi](#), on page 181
- [show tech-support nxsdk](#), on page 182
- [show tech-support object-store](#), on page 183
- [show tech-support ofm](#), on page 184
- [show tech-support openflow](#), on page 185
- [show tech-support openflow platform](#), on page 186
- [show tech-support ospf](#), on page 187
- [show tech-support ospfv3](#), on page 188
- [show tech-support otv isis](#), on page 189
- [show tech-support page](#), on page 190
- [show tech-support patch](#), on page 191
- [show tech-support pbr](#), on page 192
- [show tech-support pfstat](#), on page 193
- [show tech-support pixm-all](#), on page 194
- [show tech-support pixm](#), on page 195
- [show tech-support pixmc-all](#), on page 196
- [show tech-support pktmgr](#), on page 197
- [show tech-support platform-sdk](#), on page 198
- [show tech-support platform](#), on page 199
- [show tech-support plcmgr](#), on page 200
- [show tech-support pltfm-config](#), on page 201
- [show tech-support pnp](#), on page 202
- [show tech-support poe](#), on page 203
- [show tech-support port-channel](#), on page 204
- [show tech-support port-client-all](#), on page 205
- [show tech-support port-profile](#), on page 206
- [show tech-support port-security](#), on page 207
- [show tech-support port](#), on page 208
- [show tech-support private-vlan](#), on page 209
- [show tech-support ptp](#), on page 210
- [show tech-support radius](#), on page 211
- [show tech-support rib](#), on page 212
- [show tech-support rip](#), on page 213
- [show tech-support routing](#), on page 214
- [show tech-support routing ipv6](#), on page 215
- [show tech-support routing ipv6 multicast](#), on page 216
- [show tech-support routing multicast](#), on page 217
- [show tech-support rpm](#), on page 218
- [show tech-support rscn](#), on page 219
- [show tech-support sal](#), on page 220
- [show tech-support san-port-channel](#), on page 221
- [show tech-support san](#), on page 222
- [show tech-support satmgr](#), on page 223
- [show tech-support security](#), on page 224
- [show tech-support segment-routing](#), on page 225

- [show tech-support services](#), on page 226
- [show tech-support session-mgr](#), on page 227
- [show tech-support sflow](#), on page 228
- [show tech-support single-gericho](#), on page 229
- [show tech-support sksd](#), on page 230
- [show tech-support sla responder](#), on page 231
- [show tech-support sla sender](#), on page 232
- [show tech-support sla twamp-server](#), on page 233
- [show tech-support slowdrain](#), on page 234
- [show tech-support smm](#), on page 235
- [show tech-support snmp](#), on page 236
- [show tech-support sockets](#), on page 237
- [show tech-support spm](#), on page 238
- [show tech-support srte](#), on page 239
- [show tech-support statsclient](#), on page 240
- [show tech-support stp](#), on page 241
- [show tech-support sup-filesys](#), on page 242
- [show tech-support super-bridging](#), on page 243
- [show tech-support sysmgr](#), on page 244
- [show tech-support tacacs](#), on page 245
- [show tech-support telemetry](#), on page 246
- [show tech-support track](#), on page 247
- [show tech-support tunnel-encryption](#), on page 248
- [show tech-support tunnel](#), on page 249
- [show tech-support u2rib](#), on page 250
- [show tech-support udld](#), on page 251
- [show tech-support usd-all](#), on page 252
- [show tech-support vdc](#), on page 253
- [show tech-support virtual-service](#), on page 254
- [show tech-support vlan](#), on page 255
- [show tech-support vmtracker](#), on page 256
- [show tech-support vpc](#), on page 257
- [show tech-support vrrp](#), on page 258
- [show tech-support vrrp brief](#), on page 259
- [show tech-support vrrpv3](#), on page 260
- [show tech-support vsan](#), on page 261
- [show tech-support vsmd](#), on page 262
- [show tech-support vtp](#), on page 263
- [show tech-support vvlan](#), on page 264
- [show tech-support vxlan-epn](#), on page 265
- [show tech-support vxlan](#), on page 266
- [show tech-support vxlan platform](#), on page 267
- [show tech-support xbar](#), on page 268
- [show tech-support xml](#), on page 269
- [show tech-support xos](#), on page 270
- [show tech-support zone](#), on page 271

- [show telemetry control database](#), on page 272
- [show telemetry data collector brief](#), on page 278
- [show telemetry dynamic configuration](#), on page 279
- [show telemetry event collector stats](#), on page 281
- [show telemetry pipeline stats](#), on page 283
- [show telemetry port-counters](#), on page 285
- [show telemetry syslog-filter](#), on page 287
- [show telemetry transport](#), on page 288
- [show telemetry transport](#), on page 292
- [show telemetry usability](#), on page 295
- [show telemetry yang direct-path cisco-nxos-device](#), on page 296
- [show telnet server](#), on page 297
- [show terminal](#), on page 298
- [show terminal output xml version](#), on page 299
- [show time-range](#), on page 300
- [show time-stamp running-config last-changed](#), on page 302
- [show topology](#), on page 303
- [show topology isl](#), on page 304
- [show topology isl](#), on page 305
- [show topology isl](#), on page 306
- [show trace callhome](#), on page 307
- [show track](#), on page 308
- [show track brief](#), on page 310
- [show troubleshoot l2 mac vlan](#), on page 312
- [show troubleshoot l2 port-channel](#), on page 313
- [show troubleshoot l3 vrf](#), on page 314
- [show trunk protocol](#), on page 315
- [show ttag brief](#), on page 316
- [show ttag brief](#), on page 317
- [show tunnel-encryption info global](#), on page 318
- [show tunnel-encryption policy](#), on page 319
- [show tunnel-encryption session](#), on page 320
- [show tunnel-encryption statistics](#), on page 322
- [show tunnel-profile](#), on page 324

show table-map

```
show table-map [ <tmap-name> | <default-tmap-enum-name> ] [ __readonly__ { [ TABLE_tmap <tmap-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_tmap	(Optional) all tmap xml sessions
<i>tmap-name</i>	(Optional) Show a particular table map
<i>default-tmap-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 [ __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

```
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 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
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
autho_statistics	(Optional) Authorization 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>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_timeout</i>	(Optional) Authorization: Requests timeout
<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_timeout</i>	(Optional) Accounting: Requests timeout
<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 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 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 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 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 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 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 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 mfw

show tech-support ipv6 mfw [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mfw	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 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 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 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 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 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-profile

show tech-support port-profile

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-profile	Gather information for troubleshooting port-profiles

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

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 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 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 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> } ] ]
```

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
-----------------------	-----------------------------------

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

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 transport

```
show telemetry transport { sessions | stats | errors | all } [ __readonly__ [ { TABLE_transport_summary
<session_ids> [ <ip_address> ] [ <port> ] [ <dest> ] [ <encoding> ] <transport_type> <transport_status> } ]
[ <retry_buffer_size> ] [ <event_retry_bytes> ] [ <timer_retry_bytes> ] [ <retries_sent> ] [ <retries_dropped>
] [ { TABLE_transport_session <session_id> [ <dstgrp_idx> ] [ <ip_addr> ] [ <port_no> ] <dest_info>
<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> ] } ] [ { TABLE_transport_stats <t_stats_id> [ <t_stats_dstgrp_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> } } ] [ {
TABLE_transport_errors <t_errors_id> [ <t_errors_dstgrp_id> ] { connect_errors <connect_errors_count>
} { trans_errors <trans_errors_count> <last_tx_error> [ <last_tx_return_code> } } ] ] ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
transport	Show telemetry transport info
stats	Show all tm stat info
errors	Show all tm error info
sessions	Show transport sessions info
all	Show all transport info
__readonly__	(Optional)
TABLE_transport_summary	(Optional) Transport sessions summary
<i>session_ids</i>	(Optional) Session Id
<i>ip_address</i>	(Optional) Transport IP address
<i>port</i>	(Optional) Transport port
<i>dest</i>	(Optional) Destination information
<i>encoding</i>	(Optional) Encoding type
<i>transport_type</i>	(Optional) Transport type
<i>transport_status</i>	(Optional) Transport status
<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
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 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
__readonly__	(Optional)
TABLE_path_list	(Optional) direct path list
list_row_idx	(Optional) direct path row index
path_name	(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
__readonly__	(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> } ]
```

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)

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
__readonly__	(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 [ [ 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 [ [ 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 [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 ] [ __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
<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 ] } 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
<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> <conf_offset> <security_policy> <sak-expiry-time> <include_icv_indicator>
} ]
```

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>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

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> ] [ TABLE_tem_session_detail <PeerAddr>
<PolicyName> <KCName> <CKN> <RxStatus> <TxStatus> <peersci> <rxsa_latest_an> <rxsa_old_an>
<rxsa_cs> <rxsa_winsize> <txsa_an> <txsa_cs> <txsa_ckn> <last_rx_flap> <last_tx_flap>
<last_sak_rekey_time> ] ]
```

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
TABLE_tem_session_detail	(Optional)
<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
<i>last_sak_rekey_time</i>	(Optional) Last SAK rekey

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>
<num_of_terminate_intfs> <terminate_intfs> ] ] ]
```

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>encap-type</i>	(Optional) Encap type of the profile
<i>status</i>	(Optional) Tunnel profile status
<i>num_of_routes</i>	(Optional) number of static routes
<i>num_of_err_routes</i>	(Optional) number of tunnel routes in error
<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>num_of_terminate_intfs</i>	(Optional) number of terminate interfaces
<i>terminate_intfs</i>	(Optional) terminate interfaces

Command Mode

- /exec