



## T Show Commands

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# 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
<i>__readonly__</i>	(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 oam

show tech-support mpls oam

## Syntax Description

show	Show running system information
tech-support	Gather MPLS OAM information
mpls	Display MPLS status and configuration
oam	Gather MPLS OAM information

## Command Mode

- /exec

# show tech-support mpls static

show tech-support mpls static [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	Display MPLS status and configuration
static	Display STATIC configuration and status for troubleshooting
brief	(Optional) Brief information

## Command Mode

- /exec

# show tech-support mpls strip

show tech-support mpls strip

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
mpls	MPLS
strip	Gather MPLS label strip troubleshooting info

## Command Mode

- /exec

# show tech-support mpls switching

show tech-support mpls switching

## Syntax Description

show	Show running system information
tech-support	Gather MPLS switching information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database

## Command Mode

- /exec

# show tech-support mpls fwd

show tech-support mpls fwd [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mplsfwd	Display MPLS forwarding information
brief	(Optional) Brief information

## Command Mode

- /exec

# show tech-support multicast-vxlan-evpn

show tech-support multicast-vxlan-evpn

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
multicast-vxlan-evpn	Multicast VxLAN EVPN feature

## Command Mode

- /exec

# show tech-support multicast

show tech-support [ ip | ipv4 ] multicast

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information

## Command Mode

- /exec

# show tech-support mvpn

show tech-support mvpn [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mvpn	Display Multicast VPN information
brief	(Optional) Brief information

## Command Mode

- /exec



# show tech-support nat

show tech-support nat

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nat	Gather information for troubleshooting NAT

## Command Mode

- /exec

# show tech-support nbm

show tech-support nbm [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
nbm	Non Blocking Multicast
brief	(Optional) Minimal information

## Command Mode

- /exec

## show tech-support nbm group

```
show tech-support nbm group <grp> [ source <src> ] [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ]
```

### Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
nbm	Non Blocking Multicast
group	Multicast group
<i>grp</i>	Multicast group address
source	(Optional) Source IP address
<i>src</i>	(Optional) Source unicast IP address
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

### Command Mode

- /exec

# show tech-support netflow

show tech-support netflow [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
netflow	Show NetFlow tech-support information
brief	(Optional) Brief information

## Command Mode

- /exec

# show tech-support netstack

show tech-support netstack

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting

## Command Mode

- /exec

# show tech-support netstack detail

show tech-support netstack detail

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting
detail	Gather detailed information for NETSTACK troubleshooting

## Command Mode

- /exec

# show tech-support nexus9000v

show tech-support nexus9000v

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
nexus9000v	Gather information for Nexus 9000v virtualization infrastructure trouble shooting

## Command Mode

- /exec

# show tech-support ngoam

show tech-support ngoam

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
ngoam	ngoam

## Command Mode

- /exec



# show tech-support npacl

show tech-support npacl [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npacl	Display npacl information
brief	(Optional) Brief npacl information

## Command Mode

- /exec

# show tech-support npv

show tech-support npv

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npv	Show information for NPV technical support staff

## Command Mode

- /exec

# show tech-support ns

show tech-support ns

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ns	Gather detailed information for northstar asic

## Command Mode

- /exec

# show tech-support ntp

show tech-support ntp

## Syntax Description

show	show running system information
tech-support	Gather information for trouble shooting
ntp	Gather information for NTP trouble shooting

## Command Mode

- /exec

# show tech-support nve

show tech-support nve

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
nve	Display NVE information

## Command Mode

- /exec

# show tech-support nxapi

show tech-support nxapi

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxapi	Gather detailed information for nxapi troubleshooting

## Command Mode

- /exec

# show tech-support nxsdk

show tech-support nxsdk

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxsdk	NXOS SDK

## Command Mode

- /exec

# show tech-support object-store

show tech-support object-store

## Syntax Description

show	Show Object Store
tech-support	Gather information for troubleshooting
object-store	Gather information from object store for Controller troubleshooting

## Command Mode

- /exec



# show tech-support ofm

show tech-support ofm [ server-only ] [ flow-interface ] [ all ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
server-only	(Optional) Dump the tech-support information only from Overlay Flow Manager server only
flow-interface	(Optional) Dump the tech-support info for OFM ELTM IFTMC and SDK components
all	(Optional) Dump the tech-support information OFM plus brief summary of system

## Command Mode

- /exec

# show tech-support 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 pss

show tech-support pss

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pss	Gather detailed information for PSS troubleshooting

## Command Mode

- /exec

# show tech-support ptp

show tech-support ptp

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ptp	Gather detailed information for PTP troubleshooting

## Command Mode

- /exec

# show tech-support radius

show tech-support radius

## Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
radius	Display radius information

## Command Mode

- /exec

# show tech-support rib

show tech-support rib

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rib	Gather detailed information for rib troubleshooting

## Command Mode

- /exec

# show tech-support rip

show tech-support rip [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rip	Display RIP routing protocol status
brief	(Optional) Brief information

## Command Mode

- /exec

# show tech-support routing

show tech-support routing [ ip | ipv4 ] [ unicast ] [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

## Command Mode

- /exec



# show tech-support routing ipv6

show tech-support routing ipv6 [ unicast ] [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

## Command Mode

- /exec

# show tech-support routing ipv6 multicast

show tech-support routing ipv6 multicast [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display V6 Multicast information
brief	(Optional) Display brief information

## Command Mode

- /exec

# show tech-support routing multicast

```
show tech-support routing [ ip | ipv4 ] multicast [ brief ]
```

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information
brief	(Optional) Display brief information

## Command Mode

- /exec

# show tech-support rpm

```
{ show tech-support rpm }
```

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rpm	Display Route Policy Manager (RPM) information

## Command Mode

- /exec

# show tech-support rscn

```
show tech-support rscn [ vsan <i0> ]
```

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vsan	(Optional) Show technical support information for a specified vsan
<i>i0</i>	(Optional) VSAN id range

## Command Mode

- /exec

# show tech-support sal

show tech-support sal

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sal	Show SAL tech-support information

## Command Mode

- /exec

# show tech-support san-port-channel

show tech-support san-port-channel

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san-port-channel	Gather detailed information for san port channel troubleshooting

## Command Mode

- /exec

# show tech-support san

show tech-support san

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san	Gather information for SAN trouble shooting

## Command Mode

- /exec



# show tech-support satmgr

show tech-support satmgr

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
satmgr	Gather detailed information for satmgr troubleshooting

## Command Mode

- /exec

# show tech-support security

show tech-support security

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
security	show tech support information for security

## Command Mode

- /exec

# show tech-support segment-routing

show tech-support segment-routing

## Syntax Description

show	Show running system information
tech-support	Gather tech-support information
segment-routing	Segment-routing tech-support

## Command Mode

- /exec

# show tech-support services

show tech-support services [ detail ]

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
services	Services
detail	(Optional) Show more details

## Command Mode

- /exec

# show tech-support session-mgr

show tech-support session-mgr

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
session-mgr	Gather information for troubleshooting session manager

## Command Mode

- /exec

# show tech-support sflow

show tech-support sflow

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sflow	Gather detailed information for sflow feature

## Command Mode

- /exec

# show tech-support single-jericho

show tech-support single-jericho

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
single-jericho	Gather detailed information for single-jericho troubleshooting

## Command Mode

- /exec

# show tech-support sksd

show tech-support sksd

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sksd	show tech support information for sksd

## Command Mode

- /exec



# show tech-support sla responder

show tech-support sla responder [ brief | detail ]

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
responder	Configure sla-responder tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

## Command Mode

- /exec

# show tech-support sla sender

show tech-support sla sender [ brief | detail ]

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
sender	Configure sla-sender tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

## Command Mode

- /exec

# show tech-support sla twamp-server

show tech-support sla twamp-server [ brief | detail ]

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
twamp-server	Configure sla-twamp-server tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

## Command Mode

- /exec

# show tech-support slowdrain

show tech-support slowdrain [ commands ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
slowdrain	Gather detailed information for slowdrain troubleshooting
commands	(Optional) Show commands executed as part of show tech-support slowdrain command

## Command Mode

- /exec

# show tech-support smm

show tech-support smm

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
smm	Shared memory

## Command Mode

- /exec

# show tech-support snmp

show tech-support snmp

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
snmp	Gather info related to snmp

## Command Mode

- /exec

# show tech-support sockets

show tech-support sockets [ brief ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sockets	Display sockets status and configuration
brief	(Optional) Brief information

## Command Mode

- /exec

# show tech-support spm

show tech-support spm [ <application> ] [ detail ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
spm	Service Policy Manager
<i>application</i>	(Optional) Specify an application
detail	(Optional) Print more details (e.g. messages,etc)

## Command Mode

- /exec



# show tech-support srte

show tech-support srte

## Syntax Description

show	Show running system information
tech-support	Gather SRTE information
srte	Segment-Routing Traffic Eng

## Command Mode

- /exec

# show tech-support statsclient

show tech-support statsclient [ module <module> ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
statsclient	Gather statsclient tech-support
module	(Optional) Gather info related to one module
<i>module</i>	(Optional) Enter module number

## Command Mode

- /exec

# show tech-support stp

show tech-support stp

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
stp	Gather detailed information for STP troubleshooting

## Command Mode

- /exec

# show tech-support sup-filesys

show tech-support sup-filesys

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sup-filesys	File-sys related issue

## Command Mode

- /exec

# show tech-support super-bridging

show tech-support super-bridging

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
super-bridging	Gather detailed information for super-bridging troubleshooting

## Command Mode

- /exec

# show tech-support sysmgr

show tech-support sysmgr [ commands ]

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sysmgr	Gather detailed information for sysmgr troubleshooting
commands	(Optional) Show commands executed as part of show tech-support sysmgr

## Command Mode

- /exec

# show tech-support tacacs

show tech-support tacacs +

## Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting

## Command Mode

- /exec

# show tech-support telemetry

show tech-support telemetry

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
telemetry	Gather information for telemetry troubleshooting

## Command Mode

- /exec



# show tech-support track

show tech-support track

## Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
track	Show track tech-support information

## Command Mode

- /exec

# show tech-support trm

show tech-support trm

## Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
trm	Tenant Routed Multicast 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



<i>retries_dropped</i>	(Optional) Number of retries dropped
<i>retry_buffer_size</i>	(Optional) Retry buffer size
TABLE_transport_session	(Optional) Transport session information
<i>session_idx</i>	(Optional) Session Id
<i>dstgrp_idx</i>	(Optional) Destination group Id
<i>ip_addr</i>	(Optional) Transport IP address
<i>port_no</i>	(Optional) Transport port
<i>dest_info</i>	(Optional) Destination information
<i>transport_security_cert_fname</i>	(Optional) Transport security file name
<i>transport_last_connected</i>	(Optional) Transport last connected
<i>transport_last_disconnected</i>	(Optional) Transport last disconnected
<i>transport_errors_count</i>	(Optional) Transport errors count
<i>transport_last_tx_error</i>	(Optional) Transport last tx error
<i>proxy_server_port</i>	(Optional) Proxy server and port
<i>proxy_username</i>	(Optional) Proxy username
TABLE_transport_stats	(Optional) Transport sessions' stats info
<i>t_stats_id</i>	(Optional) Transport Session id
<i>t_stats_dstgrp_id</i>	(Optional) Transport Session DstGrp id
transport_statistics	(Optional) Transport statistics
connect_statistics	(Optional) Connection statistics
<i>connect_count</i>	(Optional) Connection count
<i>last_connected</i>	(Optional) Last connected timestamp
<i>disconnect_count</i>	(Optional) Disconnect count
<i>last_disconnected</i>	(Optional) Last disconnected timestamp
trans_statistics	(Optional) Transport statistics
<i>compression</i>	(Optional) Compression status
<i>source_interface_name</i>	(Optional) Source interface name
<i>source_interface_ip</i>	(Optional) Source interface ip
<i>transmit_count</i>	(Optional) Transmission count

<i>last_tx_time</i>	(Optional) Last Transmission time
<i>min_tx_time</i>	(Optional) Minimum transmission time
<i>max_tx_time</i>	(Optional) Maximum transmission time
<i>avg_tx_time</i>	(Optional) Average transmission time
<i>cur_tx_time</i>	(Optional) Current transmission time
TABLE_transport_errors	(Optional) Transport sessions' error info
<i>t_errors_id</i>	(Optional) Transport Session id
<i>t_errors_dstgrp_id</i>	(Optional) Transport Session DstGrp id
connect_errors	(Optional) Connection errors
<i>connect_errors_count</i>	(Optional) Connection error count
trans_errors	(Optional) Transport errors
<i>trans_errors_count</i>	(Optional) Transport error count
<i>last_tx_error</i>	(Optional) Last transport error
<i>last_tx_return_code</i>	(Optional) Last transport return code

**Command Mode**

- /exec

# show telemetry transport

```
show telemetry transport [ { <session_id> [ { stats | errors | kafka-info } ] | kafka } ] [ __readonly__ [ {
TABLE_transport_info <session_idx> [ <dstgrp_idx> ] [ <ip_address> ] [ <port> ] [ <dest_info> ] [
<encoding_type> ] <transport_type> <transport_status> [ <transport_security_cert_fname> ] [
<transport_last_connected> ] [ <transport_last_disconnected> ] [ <transport_errors_count> ] [
<transport_last_tx_error> ] [ <proxy_server_port> ] [ <proxy_username> } ] ] [ <t_session_id> ] [ {
transport_statistics [ { connect_statistics <connect_count> <last_connected> <disconnect_count>
<last_disconnected> } ] { trans_statistics <compression> <source_interface_name> <source_interface_ip>
<transmit_count> <last_tx_time> <min_tx_time> <max_tx_time> <avg_tx_time> <cur_tx_time> } } ] [ {
transport_errors { connect_errors <connect_errors_count> } { trans_errors <trans_errors_count> <last_tx_error>
[ <last_tx_return_code> } ] } ] [ TABLE_transport_kafka <row_idx> [ <broker> ] [ <topic> ] [
<kafka_msg_count> } ] ] [ <kafka_producer_name> ] [ <kafka_producer_request_size> ] [
<kafka_producer_request_timeout> ] [ <kafka_lib_version> ] [ { transport_retry_stats <ts_event_retry_bytes>
<ts_event_retry_size> <ts_timer_retry_bytes> <ts_timer_retry_size> <ts_retries_sent> <ts_retries_dropped>
} ] [ <retry_buffer_size> ] [ <event_retry_bytes> ] [ <timer_retry_bytes> ] [ <retries_sent> ] [ <retries_dropped>
] [ { TABLE_transport_kafka_all <k_ss_idx> [ <kafka_broker> ] [ <kafka_producer> ] [ <kafka_encoding>
] [ <kafka_topic> ] [ <kafka_status> } ] } ] ] ]
```

## Syntax Description

show	Show running system information
telemetry	Show telemetry info
transport	Show telemetry transport info
<i>session_id</i>	(Optional) Session id
stats	(Optional) Show all tm stat info
errors	(Optional) Show all tm error info
kafka	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
kafka-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_transport_info	(Optional) Transport information
TABLE_transport_kafka	(Optional) Transport Kafka information
TABLE_transport_kafka_all	(Optional) Transport Kafka information
<i>session_idx</i>	(Optional) Session Id
<i>row_idx</i>	(Optional) Session Id
<i>k_ss_idx</i>	(Optional) Session Id
<i>broker</i>	(Optional) Kafka broker name
<i>topic</i>	(Optional) Kafka topic name

<i>kafka_msg_count</i>	(Optional) Transport Kafka msgs
<i>kafka_broker</i>	(Optional) Kafka broker name
<i>kafka_producer</i>	(Optional) Kafka producer name
<i>kafka_encoding</i>	(Optional) Kafka encoding type
<i>kafka_topic</i>	(Optional) Kafka topic
<i>kafka_status</i>	(Optional) Kafka connection status
<i>dstgrp_idx</i>	(Optional) Destination group Id
<i>ip_address</i>	(Optional) Transport IP address
<i>port</i>	(Optional) Transport port
<i>dest_info</i>	(Optional) Destination information
<i>encoding_type</i>	(Optional) Encoding type
<i>transport_type</i>	(Optional) Transport type
<i>transport_status</i>	(Optional) Transport status
<i>transport_security_cert_fname</i>	(Optional) Transport security file name
<i>transport_last_connected</i>	(Optional) Transport last connected
<i>transport_last_disconnected</i>	(Optional) Transport last disconnected
<i>transport_errors_count</i>	(Optional) Transport errors count
<i>transport_last_tx_error</i>	(Optional) Transport last tx error
<i>proxy_server_port</i>	(Optional) Proxy server and port
<i>proxy_username</i>	(Optional) Proxy username
<i>transport_statistics</i>	(Optional) Transport statistics
<i>t_session_id</i>	(Optional) Transport Session id
<i>connect_statistics</i>	(Optional) Connection statistics
<i>connect_count</i>	(Optional) Connection count
<i>last_connected</i>	(Optional) Last connected timestamp
<i>disconnect_count</i>	(Optional) Disconnect count
<i>last_disconnected</i>	(Optional) Last disconnected timestamp
<i>trans_statistics</i>	(Optional) Transport statistics
<i>compression</i>	(Optional) Compression status

<i>source_interface_name</i>	(Optional) Source interface name
<i>source_interface_ip</i>	(Optional) Source interface ip
<i>transmit_count</i>	(Optional) Transmission count
<i>last_tx_time</i>	(Optional) Last Transmission time
<i>min_tx_time</i>	(Optional) Minimum transmission time
<i>max_tx_time</i>	(Optional) Maximum transmission time
<i>avg_tx_time</i>	(Optional) Average transmission time
<i>cur_tx_time</i>	(Optional) Current transmission time
transport_errors	(Optional) Transport errors
connect_errors	(Optional) Connection errors
<i>connect_errors_count</i>	(Optional) Connection error count
trans_errors	(Optional) Transport errors
<i>trans_errors_count</i>	(Optional) Transport error count
<i>last_tx_error</i>	(Optional) Last transport error
<i>last_tx_return_code</i>	(Optional) Last transport return code
transport_retry_stats	(Optional) Retry Statistics
<i>ts_event_retry_bytes</i>	(Optional) Event Retry buffer size
<i>ts_timer_retry_bytes</i>	(Optional) Timer Retry buffer size
<i>ts_event_retry_size</i>	(Optional) Event Retry number of messages
<i>ts_timer_retry_size</i>	(Optional) Timer Retry number of messages
<i>ts_retries_sent</i>	(Optional) Number of retries sent
<i>ts_retries_dropped</i>	(Optional) Number of retries dropped
<i>event_retry_bytes</i>	(Optional) Event Retry buffer size
<i>timer_retry_bytes</i>	(Optional) Timer Retry buffer size
<i>retries_sent</i>	(Optional) Number of retries sent
<i>retries_dropped</i>	(Optional) Number of retries dropped
<i>retry_buffer_size</i>	(Optional) Retry buffer size
<i>kafka_producer_name</i>	(Optional) Kafka producer name
<i>kafka_producer_request_size</i>	(Optional) Kafka producer request size(bytes)



<i>kafka_producer_request_timeout</i>	(Optional) Kafka producer request timeout(ms)
<i>kafka_lib_version</i>	(Optional) Kafka library version

**Command Mode**

- /exec

# show telemetry usability

```
show telemetry usability { all | environment | interface | vxlan | resources } [ __readonly__ [ {
TABLE_path_labels <label_row_idx> <label_name> <label_path_name> <label_query_type>
<label_query_condition> } ] ]
```

## Syntax Description

show	Show running system information
telemetry	Show telemetry info
usability	Usability path information
all	show all the usability path query information
environment	show environment query information
interface	show interface query information
vxlan	show vxlan query information
resources	show system resources query information
__readonly__	(Optional)
TABLE_path_labels	(Optional) Ease of use path table
<i>label_row_idx</i>	(Optional) row index
<i>label_name</i>	(Optional) label name
<i>label_path_name</i>	(Optional) actual path configured
<i>label_query_type</i>	(Optional) query type
<i>label_query_condition</i>	(Optional) actual query condition

## Command Mode

- /exec

# show telemetry yang direct-path cisco-nxos-device

```
show telemetry yang direct-path cisco-nxos-device [ __readonly__ [ { TABLE_path_list <list_row_idx>
<path_name> } ] ]
```

## Syntax Description

show	Show running system information
telemetry	Show telemetry info
yang	yang direct path information
direct-path	yang direct path information
cisco-nxos-device	show cisco nxos device direct path information
<i>__readonly__</i>	(Optional)
<i>TABLE_path_list</i>	(Optional) direct path list
<i>list_row_idx</i>	(Optional) direct path row index
<i>path_name</i>	(Optional) direct path name

## Command Mode

- /exec

# show telnet server

```
show telnet server [ __readonly__ { operation_status <o_status> } ]
```

## Syntax Description

show	Show running system information
telnet	Show telnet server configuration
server	Show telnet server configuration
__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 lock

```
show terminal lock [ __readonly__ <owner_pid> <user_name> <session> <state> [ <reason> ]
<lock_acqrd_time> <lock_expiry_timeout> ]
```

## Syntax Description

show	Show running system information
terminal	Display terminal configuration parameters
lock	Display the session holding the terminal lock
<i>__readonly__</i>	(Optional)
<i>owner_pid</i>	(Optional) PID of the process holding the lock
<i>user_name</i>	(Optional) User holding the lock
<i>session</i>	(Optional) Terminal holding the lock
<i>state</i>	(Optional) Status of the lock
<i>reason</i>	(Optional) Reason for the lock
<i>lock_acqrd_time</i>	(Optional) Time when the lock got acquired
<i>lock_expiry_timeout</i>	(Optional) Lock expiry timeout

## Command Mode

- /exec

# show terminal output xml version

```
show terminal output xml version [ __readonly__ { xml_version <version> } ]
```

## Syntax Description

show	Show running system information
terminal	Display
output	Display
xml	Display
version	Display
<i>__readonly__</i>	(Optional)
<i>xml_version</i>	(Optional) xml version
<i>version</i>	(Optional) version

## Command Mode

- /exec

# show time-range

```
show time-range [ <name> ] [ __readonly__ TABLE_timerange <timerange_name> <active> [ TABLE_seqno
<seqno> { { absolute [ <start_abs_h> <start_abs_m> <start_abs_s> <start_abs_d> <start_abs_mon>
<start_abs_y> ] [ <end_abs_h> <end_abs_m> <end_abs_s> <end_abs_d> <end_abs_mon> <end_abs_y> ]
} | { periodic { Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday | daily | weekdays |
weekend } + <start_per_h> <start_per_m> <start_per_s> [ <eday> ] <end_per_h> <end_per_m> <end_per_s>
} | { <remark> } } ] ]
```

## Syntax Description

show	Show running system information
time-range	Define time range entries
<i>name</i>	(Optional) Time range name
<i>__readonly__</i>	(Optional)
TABLE_timerange	(Optional)
<i>timerange_name</i>	(Optional)
<i>active</i>	(Optional) active
TABLE_seqno	(Optional)
<i>seqno</i>	(Optional) Sequence number
absolute	(Optional)
periodic	(Optional)
<i>remark</i>	(Optional)
<i>start_abs_h</i>	(Optional)
<i>start_abs_m</i>	(Optional)
<i>start_abs_s</i>	(Optional)
<i>start_abs_d</i>	(Optional)
<i>start_abs_mon</i>	(Optional)
<i>start_abs_y</i>	(Optional)
<i>end_abs_h</i>	(Optional)
<i>end_abs_m</i>	(Optional)
<i>end_abs_s</i>	(Optional)
<i>end_abs_d</i>	(Optional)



<i>end_abs_mon</i>	(Optional)
<i>end_abs_y</i>	(Optional)
Monday	(Optional) Monday
Tuesday	(Optional) Tuesday
Wednesday	(Optional) Wednesday
Thursday	(Optional) Thursday
Friday	(Optional) Friday
Saturday	(Optional) Saturday
Sunday	(Optional) Sunday
daily	(Optional) Every day of the week
weekdays	(Optional) Monday thru Friday
weekend	(Optional) Saturday and Sunday
<i>start_per_h</i>	(Optional)
<i>start_per_m</i>	(Optional)
<i>start_per_s</i>	(Optional)
<i>eday</i>	(Optional) Day of the week
<i>end_per_h</i>	(Optional)
<i>end_per_m</i>	(Optional)
<i>end_per_s</i>	(Optional)

**Command Mode**

- /exec

# show time-stamp running-config last-changed

show time-stamp running-config last-changed [ \_\_readonly\_\_ <run\_config\_change\_time> ]

## Syntax Description

show	Show running system information
time-stamp	Time running-config last changed
running-config	Current operating configuration
last-changed	Running configuration last changed
__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 [ [ san-port-channel <i1> ] [ detail ] ]
```

## Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
san-port-channel	(Optional) Specify the san-port-channel
<i>i1</i>	(Optional) san-port-channel number
detail	(Optional) Gives detailed information on isl

## Command Mode

- /exec

# show topology isl

```
show topology isl [ [ vsan <i0> ] [ detail ] ]
```

## Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id range
detail	(Optional) Gives detailed information on isl

## Command Mode

- /exec

# show topology isl

show topology isl [ detail ]

## Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
detail	(Optional) Gives detailed information on isl

## Command Mode

- /exec

# show trace callhome

show trace callhome

## Syntax Description

show	Show XOS trace information
trace	Show logging configuration and contents of logfile
callhome	Show callhome logging configuration

## Command Mode

- /exec

# show track

```
show track { [ <object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list
threshold weight | list threshold percentage ] } [ dynamic ] [ __readonly__ { <show_track_start> {
TABLE_track_detail <st_obj_id> <st_obj_ms_up> <st_obj_ms_down> <st_obj_type> [ <st_obj_instance>
] <st_obj_param> <st_obj_timer_value> [ <st_obj_state> ] [ <st_obj_chg_cnt> ] [ <st_last_chg_time> ] [
<st_threshold_info> ] [ <st_track_list_obj> ] + [ <st_vrf> ] [ <st_ipsla_rcode> ] [ <st_ipsla_rtt> ] [
<show_track_clnt_hdr> ] [ <show_track_clnt_start> ] [ { TABLE_track_clnt_info <st_client_name> [
<st_client_iface> ] [ <st_client_group_id> ] [ <st_client_detail> ] } ] [ <show_track_clnt_end> ] [
<st_track_list_info> ] + <st_obj_up_delay> <st_obj_down_delay> } <show_track_end> } ]
```

## Syntax Description

show	Negate a command or set its defaults
track	Tracking information
dynamic	(Optional) Entry created by client through API
<i>object-id</i>	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage
__readonly__	(Optional) Read only
<i>show_track_start</i>	(Optional) Show track start
TABLE_track_detail	(Optional) Track table detail
<i>st_obj_id</i>	(Optional) Object id



<i>st_obj_type</i>	(Optional) Object Type
<i>st_obj_ms_up</i>	(Optional) Is MS UP
<i>st_obj_ms_down</i>	(Optional) Is MS DOWN
<i>st_obj_instance</i>	(Optional) Object instance
<i>st_obj_param</i>	(Optional) Object parameter
<i>st_obj_timer_value</i>	(Optional) Current value of timer
<i>st_obj_state</i>	(Optional) Object status
<i>st_obj_chg_cnt</i>	(Optional) Count of Object state changes
<i>st_last_chg_time</i>	(Optional) Timestamp of last change
<i>st_threshold_info</i>	(Optional) Threshold Parameters
<i>st_track_list_obj</i>	(Optional) Objects part of this list
<i>st_vrf</i>	(Optional) VRF
<i>st_ipsla_rcode</i>	(Optional) IP SLA Return Code
<i>st_ipsla_rtt</i>	(Optional) IP SLA RTT
<i>show_track_clnt_hdr</i>	(Optional) Tracked by:
<i>show_track_clnt_start</i>	(Optional) Show track client start
TABLE_track_clnt_info	(Optional) Track client info
<i>st_client_name</i>	(Optional) Tracking client name
<i>st_client_iface</i>	(Optional) Tracking client interface
<i>st_client_group_id</i>	(Optional) Client group id
<i>st_client_detail</i>	(Optional) Tracking client detail
<i>show_track_clnt_end</i>	(Optional) End of track client
<i>st_track_list_info</i>	(Optional) Track list info
<i>st_obj_up_delay</i>	(Optional) Delay up notification
<i>st_obj_down_delay</i>	(Optional) Delay down notification
<i>show_track_end</i>	(Optional) End of Track

**Command Mode**

- /exec

# show track brief

```
show track { [ <object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list
threshold weight | list threshold percentage ] } [ dynamic ] brief [ __readonly__ { <show_track_brf_start>
<show_track_brf_all_begin> { TABLE_track_brief<st_brf_obj_id><st_brf_obj_type><st_brf_obj_instance>
<st_brf_obj_param><st_brf_obj_state><st_brf_last_chg_time> } <show_track_brf_end> } ]
```

## Syntax Description

show	Negate a command or set its defaults
track	Tracking information
dynamic	(Optional) Entry created by client through API
<i>object-id</i>	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage
brief	Brief output
<i>__readonly__</i>	(Optional) Read only
<i>show_track_brf_start</i>	(Optional) Show track brief start
<i>show_track_brf_all_begin</i>	(Optional) Start of all brief
TABLE_track_brief	(Optional) Track table brief
<i>st_brf_obj_id</i>	(Optional) Object id

<i>st_brf_obj_type</i>	(Optional) Object Type
<i>st_brf_obj_instance</i>	(Optional) Object instance
<i>st_brf_obj_param</i>	(Optional) Object parameter
<i>st_brf_obj_state</i>	(Optional) Object status
<i>st_brf_last_chg_time</i>	(Optional) Timestamp of last change
<i>show_track_brf_end</i>	(Optional) End of Group

**Command Mode**

- /exec

# show troubleshoot l2 mac vlan

show troubleshoot l2 mac <mac-addr> vlan <vlan-id> [ detail ]

## Syntax Description

show	Show running system information
troubleshoot	Display troubleshoot data dump
l2	Display l2 information
mac	MAC address
<i>mac-addr</i>	address
vlan	Vlan ID
<i>vlan-id</i>	vlan number
detail	(Optional) Print detailed debugging info for mac/interface

## Command Mode

- /exec

# show troubleshoot l2 port-channel

```
show troubleshoot l2 port-channel [ interface <ch-id> ]
```

## Syntax Description

show	Show running system information
troubleshoot	Display troubleshoot data dump
l2	Display l2 information
port-channel	Switched Port Channel
interface	(Optional) Interface
<i>ch-id</i>	(Optional) Port-Channel name

## Command Mode

- /exec

# show troubleshoot l3 vrf

```
show troubleshoot l3 { ipv4 { <dip4-prefix> | <ip-prefix> } [ src-ip <sip4-prefix> ] | ipv6 { <dip6-prefix> | <ip6-prefix> } [ src-ip <sip6-prefix> ] } vrf <vrf-name>
```

## Syntax Description

show	
troubleshoot	Display troubleshoot data dump
l3	Display l3 information
ipv4	Choose IPv4 address
ipv6	Choose IPv6 address
<i>dip4-prefix</i>	Display single exact match route for Destination IP
<i>ip-prefix</i>	Display single exact match route, specify prefix/mask
vrf	check routes for a specific VRF
<i>vrf-name</i>	vrf name
src-ip	(Optional) Source IP for routing hash CLI
<i>sip4-prefix</i>	(Optional) Source IPv4 address

## Command Mode

- /exec

# show trunk protocol

```
show trunk protocol [ __readonly__ <trunk_protocol_status> ]
```

## Syntax Description

show	Show running system information
trunk	Show trunk information
protocol	Show trunk protocol information
__readonly__	(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> ] [
<erspan-sess-all> ] [ <erspan-sess-id> ] <num_of_terminate_intf> <terminate_intf> ] ] ]
```

## Syntax Description

show	Show running system information
tunnel-profile	Tunnel Profile
<i>profile-name</i>	(Optional) Name of the Tunnel Profile
<i>__readonly__</i>	(Optional)
TABLE_tunnel	(Optional) Tunnel profile Table
<i>profile-name</i>	(Optional) Tunnel profile name
<i>num_of_routes</i>	(Optional) number of static routes
<i>num_of_err_routes</i>	(Optional) number of tunnel routes in error
<i>encap-type</i>	(Optional) Encap type of the profile
<i>status</i>	(Optional) Tunnel profile status
<i>num_of_policies</i>	(Optional) number of flow policies
<i>src-vtep</i>	(Optional) Source VTEP IP
<i>src-intf</i>	(Optional) Source Interface
<i>destination</i>	(Optional) Destination
<i>erspan-sess-all</i>	(Optional) ERSPAN Session ID all
<i>erspan-sess-id</i>	(Optional) ERSPAN Session ID
<i>num_of_terminate_intf</i>	(Optional) number of terminate interfaces
<i>terminate_intf</i>	(Optional) terminate interfaces

## Command Mode

- /exec