



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

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)
<i>__readonly__</i>	(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

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> } <tacacs_port> <shared_key>
<idle_time><test_username> <test_password> ]
```

Syntax Description

Syntax Description	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>tacacs_port</i>	(Optional) TACACS+ server port
<i>shared_key</i>	(Optional) TACACS+ shared secret
<i>test_password</i>	(Optional) User password in test packets

Command Mode

- /exec

show tacacs-server directed-request

```
show tacacs-server directed-request [ __readonly__ { <tacacs_directedRequest_status> } ]
```

Syntax Description

Syntax Description		
show		Show running system information
tacacs-server		Show TACACS+ configuration information
directed-request		Show directed server enable configuration
__readonly__		(Optional)
<i>tacacs_directedRequest_status</i>		(Optional) status of tacacs-server directed request

Command Mode

- /exec

show tacacs-server groups

```
show tacacs-server groups [ <s0> ] [ __readonly__ [ <num_of_groups> ] [ TABLE_group <group_name> [
TABLE_server <server_ip> [ <port> ] ] [ <dead_time> ] [ <vrf_name> ] [ <source_interface> ] ] ]
```

Syntax Description

Syntax Description

<code>show</code>	Show running system information
<code>tacacs-server</code>	Show TACACS+ configuration information
<code>groups</code>	Show TACACS+ server group configuration information
<code>s0</code>	(Optional) TACACS+ server group name
<code>__readonly__</code>	(Optional)
<code>num_of_groups</code>	(Optional) number of groups
<code>TABLE_group</code>	(Optional)
<code>group_name</code>	(Optional) name of the group
<code>TABLE_server</code>	(Optional)
<code>server_ip</code>	(Optional) DNS name or IP address
<code>port</code>	(Optional) TACACS+ server port
<code>dead_time</code>	(Optional) Time interval for which the server is marked as dead before sending a test command
<code>vrf_name</code>	(Optional) name of the vrf
<code>source_interface</code>	(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

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

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
statistics	Show TACACS statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
<i>monitoring_statistics</i>	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
<i>auth_statistics</i>	(Optional) Authentication Statistics
<i>autho_statistics</i>	(Optional) Authorization Statistics
<i>acct_statistics</i>	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors

<i>autho_failed_transactions</i>	(Optional) Authorization: Failed transactions
<i>autho_succ_transactions</i>	(Optional) Authorization: Successful transactions
<i>autho_req_sent</i>	(Optional) Authorization: Requests sent
<i>autho_req_timedout</i>	(Optional) Authorization: Requests timedout
<i>autho_resp_no_match</i>	(Optional) Authorization: Responses with no matching requests
<i>autho_resp_not_processed</i>	(Optional) Authorization: Responses not processed
<i>autho_resp_error</i>	(Optional) Authorization: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions
<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timedout</i>	(Optional) Accounting: Requests timedout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

show tamnw internal errors

show tamnw internal [event-history] errors

Syntax Description

Syntax Description		
show		Show running system information
tamnw		Show information about tamnw
internal		Show internal tamnw information
event-history	(Optional)	Show various event logs of Tamnws
errors		Show error logs of TAMNW

Command Mode

- /exec

show tamnw internal msgs

show tamnw internal [event-history] msgs

Syntax Description

Syntax Description

show	Show running system information
tamnw	Show information about tamnw
internal	Show internal tamnw information
event-history	(Optional) Show various event logs of Tamnws
msgs	Show various message logs of TAMNW

Command Mode

- /exec

show tech-support

show tech-support [time-optimized] [forced]

Syntax Description

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	(Optional)	Do not check for standby being present

Command Mode

- /exec

show tech-support aaa

show tech-support aaa

Syntax Description

Syntax Description

show	show tech-support
------	-------------------

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

aaa	Display aaa information
-----	-------------------------

Command Mode

- /exec

show tech-support aclmgr

show tech-support aclmgr [detail]

Syntax Description

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

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

Syntax Description		
show		Show running system information
tech-support		Gather information for troubleshooting
aclqos		Configure aclqos debug

Command Mode

- /exec

show tech-support aclqos

show tech-support aclqos

Syntax Description

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

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

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-binary

show tech-support all-binary

Syntax Description

Syntax Description	
show	Show running system information
tech-support	Gather information for troubleshooting
all-binary	Dump tech support for all applications in binary

Command Mode

- /exec

show tech-support all

show tech-support all

Syntax Description

Syntax Description		
show	Show	running system information
tech-support	Gather	information for troubleshooting
all	Gather	detailed information for troubleshooting

Command Mode

- /exec

show tech-support all binary

show tech-support all binary <uri0>

Syntax Description

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

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

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

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 bfd

show tech-support bfd

Syntax Description

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]

Syntax Description

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

Command Mode

- /exec

show tech-support biosd

show tech-support biosd

Syntax Description

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

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

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

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

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

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

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

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

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

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]

Syntax Description

Syntax Description		
show		Show running system information
tech-support		Gather information for troubleshooting
clis		Gather information for CLI Server troubleshooting
brief		(Optional) Detailed information

Command Mode

- /exec

show tech-support clock_manager

show tech-support clock_manager

Syntax Description

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

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

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

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 cts

show tech-support cts

Syntax Description

Syntax Description	
tech-support	Gather information for troubleshooting
cts	Gather information for cts troubleshooting

Command Mode

- /exec

show tech-support dcbx

show tech-support dcbx

Syntax Description

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]

Syntax Description

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

Command Mode

- /exec

show tech-support dhclient

show tech-support dhclient

Syntax Description

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

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

Syntax Description

Syntax Description		
show		Show running system information
tech-support		Gather information for troubleshooting
dme		Gather detailed information for dme troubleshooting

Command Mode

- /exec

show tech-support dot1x

show tech-support dot1x

Syntax Description

Syntax Description	
show	show tech-support
tech-support	Gather information for troubleshooting
dot1x	Display dot1x information

Command Mode

- /exec

show tech-support eem

show tech-support eem

Syntax Description

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

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

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 ethpm

show tech-support ethpm

Syntax Description

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 evb

show tech-support evb

Syntax Description

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

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 fast-reload

show tech-support fast-reload

Syntax Description

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

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 fips

show tech-support fips

Syntax Description

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 gold

show tech-support gold

Syntax Description

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

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

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

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 standby

show tech-support ha standby [commands]

Syntax Description

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 hsrp

show tech-support hsrp

Syntax Description

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

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 icmpv6

show tech-support icmpv6 [brief]

Syntax Description

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

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

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

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

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

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

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 internal link-events

show tech-support internal link-events

Syntax Description

Syntax Description		
show		Show running system information
tech-support		Gather information for troubleshooting
internal		Gather internal info for troubleshooting
link-events		Gather info related to link-events

Command Mode

- /exec

show tech-support internal link-events module

show tech-support internal link-events module <module>

Syntax Description

Syntax Description		
show	Show running system information	
tech-support	Gather information for troubleshooting	
internal	Gather internal info for troubleshooting	
link-events	Gather info related to link-events	
module	Gather info related to a module	
<i>module</i>	Enter module number	

Command Mode

- /exec

show tech-support internal module

show tech-support internal module <module>

Syntax Description

Syntax Description		
show	Show	running system information
tech-support	Gather	information for troubleshooting
internal	Gather	internal info for troubleshooting
module	Gather	info related to a module
<i>module</i>	Enter	module number

Command Mode

- /exec

show tech-support internal vsan

show tech-support internal vsan <vsan_id>

Syntax Description

Syntax Description		
show	Show running system information	
tech-support	Gather information for troubleshooting	
internal	Gather internal info for troubleshooting	
vsan	Gather info related to a vsan	
<i>vsan_id</i>	Enter VSAN number	

Command Mode

- /exec

show tech-support ip

show tech-support ip [brief]

Syntax Description

Syntax Description		
show	Show running system information	
tech-support	Gather information for troubleshooting	
ip	Display IP information	
brief	(Optional) Brief information	

Command Mode

- /exec

show tech-support ip igmp

show tech-support ip igmp [brief]

Syntax Description

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

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

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

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 ip rsvp

```
show tech-support ip rsvp [ brief ]
```

Syntax Description

Syntax Description		
show	Show running system information	
tech-support	Gather information for troubleshooting	
ip	Configure IP features	
rsvp	RSVP configuration commands	
brief	(Optional) Brief information	

Command Mode

- /exec

show tech-support ipqos

```
show tech-support ipqos [ server-only ] [ all ] [ snmp ]
```

Syntax Description

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]

Syntax Description

Syntax Description		
show		Show running system information
tech-support		Gather information for troubleshooting
ipv6		Display IPV6 information
brief		(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 mld

show tech-support ipv6 mld [brief]

Syntax Description

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 pim

show tech-support ipv6 pim [brief]

Syntax Description

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

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

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 l2

show tech-support l2

Syntax Description

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 clients

show tech-support l2fm clients [module <module>]

Syntax Description

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

Syntax Description		
show		Show running system information
tech-support		Gather information for troubleshooting
l2fm		l2fm debug info
detail		All info related to l2fm
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

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

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

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

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

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

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

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

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

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

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

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

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

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 mmode

show tech-support mmode

Syntax Description

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

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

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

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

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

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 ldp

show tech-support mpls ldp [brief]

Syntax Description

Syntax Description		
show	Show running system information	
tech-support	Gather information for troubleshooting	
mpls	Display MPLS status and configuration	
ldp	Display LDP configuration and status for troubleshooting	
brief	(Optional) Brief information	

Command Mode

- /exec

show tech-support mpls manager

```
{ show tech-support mpls manager }
```

Syntax Description

Syntax Description		
show	Show running system information	
tech-support	Gather information for troubleshooting	
mpls	MPLS	
manager	MPLS-Mgr	

Command Mode

- /exec

show tech-support mpls static

show tech-support mpls static [brief]

Syntax Description

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

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

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 traffic-eng

```
show tech-support mpls traffic-eng [ brief ]
```

Syntax Description

Syntax	Description
show	Show running system information
tech-support	Gather information for trouble shooting
mpls	Display MPLS status and configuration
traffic-eng	Traffic engineering information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mpls fwd

show tech-support mpls fwd [brief]

Syntax Description

Syntax Description		
show	Show	running system information
tech-support	Gather	information for troubleshooting
mpls fwd	Display	MPLS forwarding information
brief	(Optional)	Brief information

Command Mode

- /exec

show tech-support mvpn

```
show tech-support mvpn [ brief ]
```

Syntax Description

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

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

Syntax Description

Syntax Description		
show		Show running system information
tech-support		Gather information for trouble-shooting
nbm		Non Blocking Multicast

Command Mode

- /exec

show tech-support netflow

show tech-support netflow [brief]

Syntax Description

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

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

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 ngoam

show tech-support ngoam

Syntax Description

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

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 ns

show tech-support ns

Syntax Description

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

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

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

Command Mode

- /exec

show tech-support object-store user

show tech-support object-store user <username>

Syntax Description

Syntax Description

show Show Object Store

tech-support Gather information for troubleshooting

object-store Gather information from object store for Controller troubleshooting

user nxapi username

username nxapi username

Command Mode

- /exec

show tech-support onep

show tech-support onep

Syntax Description

Syntax Description		
show		Show running system information
tech-support		Diagnostic information for technical support
onep		One Platform

Command Mode

- /exec

show tech-support openflow

show tech-support openflow [brief | detailed]

Syntax Description

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 ospf

show tech-support ospf [brief]

Syntax Description

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

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

show tech-support otv [brief]

Syntax Description

Syntax Description		
show	Show running system information	
tech-support	Gather information for trouble shooting	
otv	Display OTV information	
brief	(Optional) Brief OTV information	

Command Mode

- /exec

show tech-support otv isis

show tech-support otv isis [brief]

Syntax Description

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

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	(Optional)	Do not check for standby being present

Command Mode

- /exec

show tech-support patch

show tech-support patch

Syntax Description

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

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

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

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

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

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

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

show tech-support platform

Syntax Description

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

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

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 port-channel

show tech-support port-channel

Syntax Description

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

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

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

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

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

Syntax Description	
show	Show running system information
tech-support	Gather information for troubleshooting
private-vlan	Gather detailed information for private-vlan troubleshooting

Command Mode

- /exec

show tech-support ptp

show tech-support ptp

Syntax Description

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

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

Command Mode

- /exec

show tech-support rip

show tech-support rip [brief]

Syntax Description

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

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

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 rpm

{ show tech-support rpm }

Syntax Description

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 satmgr

show tech-support satmgr

Syntax Description

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

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 services

show tech-support services [detail]

Syntax Description

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 services

show tech-support services [detail]

Syntax Description

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

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

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 sksd

show tech-support sksd

Syntax Description

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

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

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 smm

show tech-support smm

Syntax Description

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

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

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 statsclient

show tech-support statsclient [module <module>]

Syntax Description

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

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

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 sysmgr

show tech-support sysmgr [commands]

Syntax Description

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

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

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

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

Command Mode

- /exec

show tech-support tunnel

```
show tech-support tunnel [ { commands | detail [ commands1 ] } ]
```

Syntax Description

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 udd

show tech-support udd

Syntax Description

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

Syntax Description

Syntax Description		
show		Show running system information
tech-support		Gather information for troubleshooting
usd-all		Gather detailed information for LC USD troubleshooting

Command Mode

- /exec

show tech-support vdc

show tech-support vdc

Syntax Description

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

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 vmtracker

show tech-support vmtracker

Syntax Description

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

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

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

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

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 vshd

show tech-support vshd

Syntax Description

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 vxlan-evpn

show tech-support vxlan-evpn

Syntax Description

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

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

Syntax Description		
show	Show tech-support for PD VxLAN component	
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

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

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

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 telemetry control database

```
show telemetry control { database [ subscriptions | destination-groups | destinations | sensor-paths | sensor-groups ] | stats }
```

Syntax Description

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
stats		Show stats

Command Mode

- /exec

show telemetry data collector brief

show telemetry data collector { brief | details }

Syntax Description

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

Command Mode

- /exec

show telemetry event collector stats

show telemetry event collector { stats | errors }

Syntax Description

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

Command Mode

- /exec

show telemetry pipeline stats

show telemetry pipeline stats

Syntax Description

Syntax	Description
show	Show running system information
telemetry	Show telemetry info
pipeline	Show telemetry pipeline info
stats	Show all telemetry pipeline stats

Command Mode

- /exec

show telemetry transport

```
show telemetry transport [ <session_id> [ { stats | errors } ] ]
```

Syntax Description

Syntax Description	show	Show running system information
	telemetry	Show telemetry info
	transport	Show telemetry event info
	<i>session_id</i>	(Optional) Session id
	stats	(Optional) Show all tm stat info
	errors	(Optional) Show all tm error info

Command Mode

- /exec

show telnet server

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

Syntax Description

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

Syntax Description

Syntax Description

show Show running system information

terminal Display terminal configuration parameters

Command Mode

- /exec

show terminal internal info

show terminal internal info

Syntax Description

Syntax Description	
show	Show running system information
terminal	Display terminal configuration parameters
internal	Display terminal internal information
info	Display terminal internal info

Command Mode

- /exec

show terminal output xml version

show terminal output xml version

Syntax Description

Syntax Description	
show	Show running system information
terminal	Display
output	Display
xml	Display
version	Display

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

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 track

```
show track { [ <object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list
threshold weight | list threshold percentage ] } [ __readonly__ <show_track_start> { TABLE_track_detail
<st_obj_id> <st_obj_type> <st_obj_instance> <st_obj_param> <st_obj_state> <st_obj_chg_cnt>
<st_last_chg_time> <st_threshold_info> <st_track_list_obj> <st_obj_up_delay> <st_obj_down_delay>
<st_obj_timer_value> <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> } <show_track_end> ]
```

Syntax Description

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

<i>st_obj_instance</i>	(Optional) Object instance
<i>st_obj_param</i>	(Optional) Object parameter
<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>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>st_obj_timer_value</i>	(Optional) Current value of timer
<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_end</i>	(Optional) End of Track

Command Mode

- /exec

show track brief

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

Syntax Description

Syntax Description

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

show track internal [event-history] errors

Syntax Description

Syntax	Description
show	Show running system information
track	Show track information
internal	Show internal track information
event-history	(Optional) Show various track event logs
errors	Show various track error logs

Command Mode

- /exec

show track internal info counters

show track internal info counters

Syntax Description

Syntax Description	
show	Show running system information
track	Show track information
internal	Show internal track information
info	Show internal data structure information
counters	Show track counters information

Command Mode

- /exec

show track internal info global

show track internal info global

Syntax Description

Syntax Description	show	Show running system information
	track	Show track information
	internal	Show internal track information
	info	Show internal data structure information
	global	Display track global info

Command Mode

- /exec

show track internal info object

show track internal info object <object-id> [up | down]

Syntax Description

Syntax Description

show Show running system information

track Show track information

internal Show internal track information

info Show internal data structure information

object Show internal information about track object

object-id Enter object id

up (Optional) Show up events

down (Optional) Show down events

Command Mode

- /exec

show track internal mem-stats

```
show track internal mem-stats [ uuid <i0> ] [ track-only ] [ detail ]
```

Syntax Description

Syntax	Description
show	Show running system information
track	Show track information
internal	Show internal track information
mem-stats	Show memory allocation statistics of track
uuid	(Optional) Show stats only for this uuid
<i>i0</i>	(Optional) Enter uuid
track-only	(Optional) Show stats of only track
detail	(Optional) Show detail memstats for track

Command Mode

- /exec

show track internal msgs

show track internal [event-history] msgs

Syntax Description

Syntax Description		
show		Show running system information
track		Show track information
internal		Show internal track information
event-history	(Optional)	Show various track event logs
msgs		Show various track message logs

Command Mode

- /exec

show tunnel iftable

```
show tunnel iftable [ <ifindex-in> ] [ __readonly__ TABLE-tunnelIfTable <ifindex-out>
<tunnelIfEncapsMethod> <tunnelIfHopLimit> <tunnelIfSecurity> <tunnelIfTOS> <tunnelIfFlowLabel>
<tunnelIfAddressType> <tunnelIfLocalInetAddress> <tunnelIfRemoteInetAddress> <tunnelIfEncapsLimit>
]
```

Syntax Description

Syntax Description		
show		Show running system information
tunnel		Show information about Tunnel
iftable		Show tunnel interface table
<i>ifindex-in</i>		(Optional) Tunnel ifindex
<i>__readonly__</i>		(Optional)
TABLE-tunnelIfTable		(Optional) Tunnel interface table
<i>ifindex-out</i>		(Optional) Tunnel ifindex
<i>tunnelIfEncapsMethod</i>		(Optional) Encapsulation Method
<i>tunnelIfHopLimit</i>		(Optional) Hop Limit
<i>tunnelIfSecurity</i>		(Optional) Security
<i>tunnelIfTOS</i>		(Optional) TOS
<i>tunnelIfFlowLabel</i>		(Optional) Flow Label
<i>tunnelIfAddressType</i>		(Optional) Address Type
<i>tunnelIfLocalInetAddress</i>		(Optional) Local IP Address
<i>tunnelIfRemoteInetAddress</i>		(Optional) Remote IP Address
<i>tunnelIfEncapsLimit</i>		(Optional) Encaps Limit

Command Mode

- /exec

show tunnel inetconfigtable

```
show tunnel inetconfigtable [ <tunnelInetConfigAddressType-in> [ [ <tunnelInetConfigLocalAddress-in> [
<tunnelInetConfigRemoteAddress-in> [ <tunnelInetConfigEncapsMethod-in> [ <tunnelInetConfigID-in> ]
] ] ] ] [ __readonly__ TABLE-tunnelInetConfigTable <tunnelInetConfigAddressType-out>
<tunnelInetConfigLocalAddress-out> <tunnelInetConfigRemoteAddress-out>
<tunnelInetConfigEncapsMethod-out> <tunnelInetConfigID-out> <tunnelInetConfigIfIndex>
<tunnelInetConfigStatus> <tunnelInetConfigStorageType> ]
```

Syntax Description

Syntax Description

show	Show running system information
tunnel	Show information about Tunnel
inetconfigtable	Show inet config table
<i>tunnelInetConfigAddressType-in</i>	(Optional) Address Type
<i>tunnelInetConfigLocalAddress-in</i>	(Optional) Local IP Address
<i>tunnelInetConfigRemoteAddress-in</i>	(Optional) Remote IP Address
<i>tunnelInetConfigEncapsMethod-in</i>	(Optional) Encapsulation Method
<i>tunnelInetConfigID-in</i>	(Optional) Configuration ID
<i>__readonly__</i>	(Optional)
TABLE-tunnelInetConfigTable	(Optional) Tunnel Inet Config Table
<i>tunnelInetConfigAddressType-out</i>	(Optional) Address Type
<i>tunnelInetConfigLocalAddress-out</i>	(Optional) Local IP Address
<i>tunnelInetConfigRemoteAddress-out</i>	(Optional) Remote IP Address
<i>tunnelInetConfigEncapsMethod-out</i>	(Optional) Encapsulation Method
<i>tunnelInetConfigID-out</i>	(Optional) Configuration ID
<i>tunnelInetConfigIfIndex</i>	(Optional) If Index
<i>tunnelInetConfigStatus</i>	(Optional) Row Status
<i>tunnelInetConfigStorageType</i>	(Optional) Storage Type

Command Mode

- /exec

show tunnel internal database

```
show tunnel internal database { policy { subscriptions | sessions | instances | all | { vrf2pinst [ <vrf-name> |
<vrf-known-name> ] } } | primary [ <if0> ] | reachability }
```

Syntax Description

Syntax Description	show	Show running system information
	tunnel	Show information about Tunnel
	internal	Show internal tunnel information
	database	database
	policy	policy database
	subscriptions	show subscription database
	sessions	show sessions database
	instances	show policy instance database
	all	show detail policy database
	vrf2pinst	show vrf-name to pinst-node ID mapping
	<i>vrf-name</i>	(Optional) VRF name
	<i>vrf-known-name</i>	(Optional) Known VRF name
	primary	show tunnel interface database
	<i>if0</i>	(Optional) Enter tunnel number
	reachability	Show tunnel reachability_db

Command Mode

- /exec

show tunnel internal database shared

show tunnel internal database shared

Syntax Description

Syntax Description	
show	Show running system information
tunnel	Show information about Tunnel
internal	Show internal tunnel information
database	database
shared	shared database opened by tunnel manager

Command Mode

- /exec

show tunnel internal event-history debug

```
show tunnel internal event-history { { debug [ <if> ] } | global }
```

Syntax Description

Syntax Description		
show		Show running system information
tunnel		Show information about Tunnel
internal		Show internal tunnel information
event-history		Show various event logs of Tunnels
debug		Show tunnel interface logs
<i>if</i>		(Optional) Enter tunnel number
global		Show tunnel global info

Command Mode

- /exec

show tunnel internal event-history errors

show tunnel internal event-history errors

Syntax Description

Syntax Description		
show		Show running system information
tunnel		Show information about Tunnel
internal		Show internal tunnel information
event-history		Show various event logs of Tunnels
errors		Show error logs of Tunnel

Command Mode

- /exec

show tunnel internal event-history fsm-transition

show tunnel internal event-history fsm-transition [<if0>]

Syntax Description

Syntax Description		
show		Show running system information
tunnel		Show information about Tunnel
internal		Show internal tunnel information
event-history		Show various event logs of Tunnels
fsm-transition		Show fsm-transition log
<i>if0</i>		(Optional) Enter tunnel number

Command Mode

- /exec

show tunnel internal event-history msgs

show tunnel internal event-history msgs

Syntax Description

Syntax Description		
show		Show running system information
tunnel		Show information about Tunnel
internal		Show internal tunnel information
event-history		Show various event logs of Tunnels
msgs		Show various message logs of Tunnel

Command Mode

- /exec

show tunnel internal event-history ppf-fsm-transition

show tunnel internal event-history ppf-fsm-transition

Syntax Description

Syntax Description		
	show	Show running system information
	tunnel	Show information about Tunnel
	internal	Show internal tunnel information
	event-history	Show various event logs of Tunnels
	ppf-fsm-transition	Show ppf-fsm-transition log

Command Mode

- /exec

show tunnel internal implicit

```
show tunnel internal implicit [ otv | wccp ] { { tunnel_num <num> } | { if_index <index> } | brief | detail }
```

Syntax Description

Syntax Description

show	Show running system information
tunnel	Show information about Tunnel
internal	Show internal tunnel information
implicit	Show interface for Implicit Tunnels
otv	(Optional) Show interface for OTV Tunnels
wccp	(Optional) Show interface for WCCP Tunnels
tunnel_num	Tunnel number
<i>num</i>	Enter tunnel number
if_index	Tunnel if_index
<i>index</i>	Enter tunnel if_index
brief	Tunnel brief
detail	Tunnel detail

Command Mode

- /exec

show tunnel internal info global

show tunnel internal info global [detail]

Syntax Description

Syntax Description	
show	Show running system information
tunnel	Show information about Tunnel
internal	Show internal tunnel information
info	Show internal data structure information
global	Show tunnel global information
detail	(Optional) Show tunnel global information in detail

Command Mode

- /exec

show tunnel internal mem-stats

show tunnel internal mem-stats [detail]

Syntax Description

Syntax Description	
show	Show running system information
tunnel	Show information about Tunnel
internal	Show internal tunnel information
mem-stats	Show memory allocation statistics of Tunnel
detail	(Optional) Show detail memstats

Command Mode

- /exec