S Show Commands

show san-port-channel compatibility-parameters

show san-port-channel compatibility-parameters [__readonly__ [{ TABLE_compatibility_params <parameter> <description> }]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
compatibility-parameters	Show san-port-channel compatibility-parameters
__readonly__	(Optional) Read Only
TABLE_compatibility_params	(Optional) Table with compatibility params
parameter	(Optional) Compatibity parameter
description	(Optional) Parameter description

Command Mode

- /exec

show san-port-channel consistency

show san-port-channel consistency [__readonly__ [<msg>] [{ [<error_msg>] [<consistency_state>] [<module>] [{ TABLE_inconsistent_database [<database>] [{ [<total_port_channels>] [{ TABLE_san_port_channel_database [<interface>] [<total_ports>] [<first_operational_port>] [{ TABLE_san_port_channel_member <port> <state> }] [<db_error_str>] }] }] }] }]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency
__readonly__	(Optional) Read Only
msg	(Optional) Message string
error_msg	(Optional) Prints consistency errors, if any
consistency_state	(Optional) Consistency state
module	(Optional) Module no
TABLE_inconsistent_database	(Optional) Table with details of inconsistent dbs
database	(Optional) Inconsistent database
TABLE_san_port_channel_database	(Optional) san-po Table
total_port_channels	(Optional) Total port channels
interface	(Optional) san-port-channel interface
first_operational_port	(Optional) First oper port in san-po
total_ports	(Optional) Total number of ports in the san-po
TABLE_san_port_channel_member	(Optional) san-po member Table
port	(Optional) san-po member port
state	(Optional) san-po member port state
db_error_str	(Optional) prints cmd errors, if any

Command Mode

- /exec

show san-port-channel consistency detail

show san-port-channel consistency detail [__readonly__ [<sup_total_port_channels>] [{ [<sup_db_error_str>] [{ TABLE_sup_san_port_channel_database <sup_interface> [<sup_total_ports>] [<sup_first_operational_port>] [{ TABLE_sup_san_port_channel_member <sup_port> <sup_state> }] }] }] [<msg>] [{ [<error_msg>] [<db_index>] [<module>] [{ [<total_port_channels>] [{ TABLE_san_port_channel_database [<interface>] [<total_ports>] [<first_operational_port>] [{ TABLE_san_port_channel_member <port> <state> }] [<db_error_str>] }] }] }] [<consistency_state>]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency
detail	Show san-port-channel distributed databases of all modules
__readonly__	(Optional) Read Only
sup_total_port_channels	(Optional) Authoritative po db - Total POs
TABLE_sup_san_port_channel_database	(Optional) Table with details of auth po db
sup_interface	(Optional) san-port-channel interface
sup_first_operational_port	(Optional) First oper port in san-po
sup_total_ports	(Optional) Total number of ports in the san-po
TABLE_sup_san_port_channel_member	(Optional) san-po member Table
sup_port	(Optional) san-po member port
sup_state	(Optional) san-po member port state
sup_db_error_str	(Optional) prints cmd errors, if any
msg	(Optional) Msg string
error_msg	(Optional) Prints errors, if any
db_index	(Optional) Database index
module	(Optional) Module no
total_port_channels	(Optional) Authoritative po db - Total POs
TABLE_san_port_channel_database	(Optional) Table with details of auth po db
interface	(Optional) san-port-channel interface
first_operational_port	(Optional) First oper port in san-po

total_ports	(Optional) Total number of ports in the san-po
TABLE_san_port_channel_member	(Optional) san-po member Table
port	(Optional) san-po member port
state	(Optional) san-po member port state
db_error_str	(Optional) prints cmd errors, if any
consistency_state	(Optional) Consistency state

Command Mode

- /exec

show san-port-channel database

show san-port-channel database [interface <ifid> | all] [__readonly__ [<error_str>] [{ TABLE_san_port_channel_database <interface> <admin_chan_mode> <oper_chan_mode> <last_membership_update> [<last_membership_update_fail_reason>] [<pcm_interface_flag>] [<vlan_interfaces>] [<first_operational_port>] [<total_ports>] [<total_oper_ports>] [{ TABLE_san_port_channel_member <port> <state> }] }] [<cmd_error_str>]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
database	Show san-port-channel database
interface	(Optional) Specify a port-channel
ifid	(Optional)
all	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional) Read Only
error_str	(Optional) Prints errors,if any
TABLE_san_port_channel_database	(Optional) san-port-channel database Table
interface	(Optional) san-po Interface
admin_chan_mode	(Optional) san-po administrative channel mode
oper_chan_mode	(Optional) san-po operational channel mode
last_membership_update	(Optional) Last membership update status
last_membership_update_fail_reason	(Optional) Membership update status casue
pcm_interface_flag	(Optional) san-po interface flag
vlan_interfaces	(Optional) san-po vlan interfaces
first_operational_port	(Optional) First oper port in san-po
total_ports	(Optional) Total number of ports in the san-po
total_oper_ports	(Optional) Total oper ports in the san-po
TABLE_san_port_channel_member	(Optional) san-po member Table
port	(Optional) san-po member port
state	(Optional) san-po member port state
cmd_error_str	(Optional) prints cmd errors,if any

Command Mode

- /exec

show san-port-channel summary

show san-port-channel summary [__readonly__ [{ TABLE_san_port_channel_summary <interface> <total_ports> <total_oper_ports> <first_operational_port> }] [<cmd_error_str>]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
summary	Show san-port-channel summary
__readonly__	(Optional) Read Only
TABLE_san_port_channel_summary	(Optional) san-port-channel Summary Table
interface	(Optional) san-po Interface
total_ports	(Optional) Total number of ports in the san-po
total_oper_ports	(Optional) Total oper ports in the san-po
first_operational_port	(Optional) First oper port in san-po
cmd_error_str	(Optional) Prints cmd error,if any

Command Mode

- /exec

show san-port-channel usage

show san-port-channel usage [__readonly__ [<total_channel_numbers_used> { <used_range> } + { <unused_range> } +] [<error_str>]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
usage	Show san-port-channel usages
__readonly__	(Optional) Read Only
total_channel_numbers_used	(Optional) Total used number of port-channels
used_range	(Optional) Used range
unused_range	(Optional) Un-used range
error_str	(Optional) Prints error if any

Command Mode

- /exec

show scheduler config

show scheduler config [__readonly__ [<terminal>] [<feature>] [<logfilesize>] [<emailfrom>] [<emailreplyto>] [<smtpserver>] [<port>] [<usevrf>] [{ TABLE_userconfig <username> [<password>] }] [{ TABLE_jobconfig <jobdata> }] [{ TABLE_scheduleconfig <schedulename> [<scheduletype>] [{ TABLE_jobs <status> }] [<email>] }]]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
config	Display scheduler config
__readonly__	(Optional)
terminal	(Optional) logfile terminal
feature	(Optional) name service
logfilesize	(Optional) logfilesize
emailfrom	(Optional) emailfrom
emailreplyto	(Optional) emailreplyto
smtpserver	(Optional) smtpserver
port	(Optional) port
usevrf	(Optional) usevrf
TABLE_userconfig	(Optional) userconfig
username	(Optional) username
password	(Optional) password
TABLE_jobconfig	(Optional) job configs
jobdata	(Optional) jobdata
TABLE_scheduleconfig	(Optional) schedule configs
schedulename	(Optional) schedulename
scheduletype	(Optional) scheduletype
TABLE_jobs	(Optional) jobs
status	(Optional) status
email	(Optional) email

Command Mode

- /exec

show scheduler job

show scheduler job [name <s0>] [__readonly__ [{ TABLE_schedulerjobs <jobname> [<jobdata>] }]]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
job	Display job information
name	(Optional) Specify the name of job
s0	(Optional) Specify the job name
__readonly__	(Optional)
TABLE_schedulerjobs	(Optional) schedulerjobs
jobname	(Optional) job name
jobdata	(Optional) job data

Command Mode

- /exec

show scheduler logfile

show scheduler logfile [__readonly__ [{ TABLE_joblog <jobname> [<jobstatus>] [<schedulename>] [<scheduleusername>] [<completiontime>] [<joboutput>] }]]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
logfile	Display scheduler job output log
__readonly__	(Optional)
TABLE_joblog	(Optional) jobs log
jobname	(Optional) job name
jobstatus	(Optional) job status
schedulename	(Optional) schedulename
scheduleusername	(Optional) scheduleusername
completiontime	(Optional) completiontime
joboutput	(Optional) joboutput

Command Mode

- /exec

show scheduler schedule

show scheduler schedule [name <s0>] [__readonly__ [{ TABLE_schedules <schedulename> [<scheduleusername>] [<scheduletype>] [<starttime>] [<lastexectime>] [<lastcompletiontime>] [<execcount>] [<jobcount>] [{ TABLE_jobs <jobname> [<execstatus>] }] }]]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
schedule	Display schedule information
name	(Optional) Specify the name of schedule
s0	(Optional) Specify the schedule name
__readonly__	(Optional)
TABLE_schedules	(Optional) schedules
schedulename	(Optional) Schedule name
scheduleusername	(Optional) schedule username
scheduletype	(Optional) scheduletype
starttime	(Optional) starttime
lastexectime	(Optional) last exec time
lastcompletiontime	(Optional) lastcompletiontime
execcount	(Optional) execcount
jobcount	(Optional) jobcount
TABLE_jobs	(Optional) jobs
jobname	(Optional) jobname
execstatus	(Optional) execstatus

Command Mode

- /exec

show segment-routing

show segment-routing [detail] [__readonly__ <srvname> <state> <process_id> [<srgb_min_label> <srgb_max_label> <srgb_alloc_status> [<oper_srgb_min_label> <oper_srgb_max_label>] <cleanup_intvl> <retry_intvl> [<num_retries>] [<srgb_alloc_hdl>] [<cleanup_timer_state> <retry_timer_state>]] [<ulib_reg_status> [<ulib_pib_hdl>]]]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
detail	(Optional) Show detailed information
__readonly__	(Optional)
srvname	(Optional) Service name
state	(Optional) Process state
process_id	(Optional) Process id
srgb_min_label	(Optional) Configured SRGB min label
srgb_max_label	(Optional) Configured SRGB max label
srgb_alloc_status	(Optional) SRGB allocation status
oper_srgb_min_label	(Optional) Operational SRGB min label
oper_srgb_max_label	(Optional) Operational SRGB max label
cleanup_intvl	(Optional) SRGB cleanup interval
retry_intvl	(Optional) SRGB alloc retry interval
num_retries	(Optional) SRGB alloc retries done
srgb_alloc_hdl	(Optional) SRGB alloc handle
cleanup_timer_state	(Optional) SRGB cleanup timer state
retry_timer_state	(Optional) SRGB retry timer state
ulib_reg_status	(Optional) ULIB registation done
ulib_pib_hdl	(Optional) ULIB PIB handle

Command Mode

- /exec

show segment-routing clients

show segment-routing clients [__readonly__ [{ TABLE_client <client_pib_name> <client_pib_index> <client_uuid> <client_pid> <client_sap> [{ TABLE_tib <vrf_name> <tib_name> [<pfxsid_cleanup_status>] }] }] <total_clients>]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
clients	Show client info
__readonly__	(Optional)
TABLE_client	(Optional)
client_pib_name	(Optional) Client name
client_pib_index	(Optional) Client pib index
client_uuid	(Optional) Client UUID
client_pid	(Optional) Client PID
client_sap	(Optional) Client SAP
TABLE_tib	(Optional)
vrf_name	(Optional) VRF name
tib_name	(Optional) Table name
pfxsid_cleanup_status	(Optional) Prefixsid Cleanup Pending?
total_clients	(Optional) Total number of clients

Command Mode

- /exec

show segment-routing ipv4 connected-prefix-sid-map

show segment-routing ipv4 connected-prefix-sid-map [__readonly__ [{ TABLE_tib <vrf_name> <tib_name> [{ TABLE_pfxsid <prefix> <index> <absolute> <range> <valid> }] }]]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
ipv4	Show info for IPv4 address-family
connected-prefix-sid-map	Show prefix-sid mapping
__readonly__	(Optional)
TABLE_tib	(Optional)
vrf_name	(Optional) Vrf name
tib_name	(Optional) Table name
TABLE_pfxsid	(Optional)
prefix	(Optional) Prefix
index	(Optional) Segment ID
absolute	(Optional) Segment ID is absolute?
range	(Optional) Range of Segment IDs from index
valid	(Optional) Segment ID is valid?

Command Mode

- /exec

show segment-routing mpls

show segment-routing mpls [detail] [__readonly__ <srvname> <state> <process_id> [<srgb_min_label> <srgb_max_label> <srgb_alloc_status> [<oper_srgb_min_label> <oper_srgb_max_label>] <cleanup_intvl> <retry_intvl> [<num_retries>] [<srgb_alloc_hdl>] [<cleanup_timer_state> <retry_timer_state>]] [<ulib_reg_status> [<ulib_pib_hdl>]]]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
detail	(Optional) Show detailed information
__readonly__	(Optional)
srvname	(Optional) Service name
state	(Optional) Process state
process_id	(Optional) Process id
srgb_min_label	(Optional) Configured SRGB min label
srgb_max_label	(Optional) Configured SRGB max label
srgb_alloc_status	(Optional) SRGB allocation status
oper_srgb_min_label	(Optional) Operational SRGB min label
oper_srgb_max_label	(Optional) Operational SRGB max label
cleanup_intvl	(Optional) SRGB cleanup interval
retry_intvl	(Optional) SRGB alloc retry interval
num_retries	(Optional) SRGB alloc retries done
srgb_alloc_hdl	(Optional) SRGB alloc handle
cleanup_timer_state	(Optional) SRGB cleanup timer state
retry_timer_state	(Optional) SRGB retry timer state
ulib_reg_status	(Optional) ULIB registation done
ulib_pib_hdl	(Optional) ULIB PIB handle

Command Mode

- /exec

show segment-routing mpls clients

show segment-routing mpls clients [__readonly__ [{ TABLE_client <client_pib_name> <client_pib_index> <client_uuid> <client_pid> <client_sap> [{ TABLE_tib <vrf_name> <tib_name> [<pfxsid_cleanup_status>] }] }] <total_clients>]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
clients	Show client info
__readonly__	(Optional)
TABLE_client	(Optional)
client_pib_name	(Optional) Client name
client_pib_index	(Optional) Client pib index
client_uuid	(Optional) Client UUID
client_pid	(Optional) Client PID
client_sap	(Optional) Client SAP
TABLE_tib	(Optional)
vrf_name	(Optional) VRF name
tib_name	(Optional) Table name
pfxsid_cleanup_status	(Optional) Prefixsid Cleanup Pending?
total_clients	(Optional) Total number of clients

Command Mode

- /exec

show segment-routing mpls ipv4 connected-prefix-sid-map

show segment-routing mpls ipv4 connected-prefix-sid-map [__readonly__ [{ TABLE_tib <vrf_name> <tib_name> [{ TABLE_pfxsid <prefix> <index> <absolute> <range> <valid> }] }]]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
ipv4	Show info for IPv4 address-family
connected-prefix-sid-map	Show prefix-sid mapping
__readonly__	(Optional)
TABLE_tib	(Optional)
vrf_name	(Optional) Vrf name
tib_name	(Optional) Table name
TABLE_pfxsid	(Optional)
prefix	(Optional) Prefix
index	(Optional) Segment ID
absolute	(Optional) Segment ID is absolute?
range	(Optional) Range of Segment IDs from index
valid	(Optional) Segment ID is valid?

Command Mode

- /exec

show sflow

show sflow [__readonly__ <sampling-rate> <max-sampled-size> <counter-poll-interval> <max-datagram-size> <collector-vrf> <collector-ip> [<source-ip>] <collector-port> <agent-ip> [<data-source-interface>]]

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration
__readonly__	(Optional) Read only
sampling-rate	(Optional) Sampling Rate
max-sampled-size	(Optional) Max Sampled Size
counter-poll-interval	(Optional) Counter Poll Interval
max-datagram-size	(Optional) Max Datagram Size
collector-vrf	(Optional) Collector VRF
collector-ip	(Optional) Collector IP
source-ip	(Optional) Source IP
collector-port	(Optional) Collector Port
agent-ip	(Optional) Agent IP
data-source-interface	(Optional) Data Source Interface

Command Mode

- /exec

show sflow statistics

show sflow statistics [__readonly__ <total-packets> <total-samples> <processed-samples> <dropped-samples> [<rate-limiter-drops>] [<dropped-sflow-samples>] <sent-datagrams> <dropped-datagrams>]

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration
statistics	Display sFlow statistics
__readonly__	(Optional) Read only
total-packets	(Optional) Total Packets
total-samples	(Optional) Total Samples
processed-samples	(Optional) Processed Samples
dropped-samples	(Optional) Dropped Samples
rate-limiter-drops	(Optional) Rate-Limiter Drops
dropped-sflow-samples	(Optional) Dropped sflow Samples
sent-datagrams	(Optional) Sent Datagrams
dropped-datagrams	(Optional) Dropped Datagrams

Command Mode

- /exec

show smart-channel

show smart-channel <svc-name> [brief] [__readonly__ <is_firstentry> <is_detail> <is_active> <is_firstentry_routemap> <is_firstentry_standby> <is_firstentry_acl> <is_lastentry> [TABLE_summary <service_name> <lb_scheme> [<interface>] <state> <buckets> [<reason>] <vrf_name> <userACL> [TABLE_device <device_grp> <dg_probe> <dg_probe_port>] [TABLE_route_map [<route_map>] [<interface>] [<r_status>] [<int_track_id>]] [TABLE_vip [<vip_ip>] [<vip_probe>] [<vip_port>] [TABLE_vip_node [<vip_node>] [<vip_nodev6>] <vip_config> <vip_weight> <vip_node_probe> <vip_node_probe_port> <vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [TABLE_vip_standby [<vip_standby_ip>] [<vip_standby_ipv6>] <vip_standby_config> <vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip> <vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id>] [TABLE_vip_acl [<vip_access_list>]]]] [TABLE_node [<node>] [<nodev6>] <config> <weight> <node_probe> <node_probe_port> <node_probe_ip> <status> <track_id> <ip_sla_id> [TABLE_standby [<standby_ip>] [<standby_ipv6>] <standby_config> <standby_weight> <standby_probe> <standby_probe_port> <standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id>] [TABLE_acl [<access_list>]]]]]

Syntax Description

show	Show running system information
smart-channel	smart channel
svc-name	smart channel name
brief	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional) Read Only
is_firstentry	(Optional)
is_detail	(Optional)
is_active	(Optional)
is_firstentry_routemap	(Optional)
is_firstentry_acl	(Optional)
is_lastentry	(Optional)
is_firstentry_standby	(Optional)
TABLE_summary	(Optional)
service_name	(Optional) service_name
lb_scheme	(Optional) lb scheme
interface	(Optional) interface
state	(Optional) state
buckets	(Optional) buckets

reason	(Optional) inactive reason
vrf_name	(Optional) VRF-Name
userACL	(Optional) user access-list
TABLE_device	(Optional)
device_grp	(Optional) service device group
dg_probe	(Optional) probe type
dg_probe_port	(Optional) probe port
TABLE_route_map	(Optional)
route_map	(Optional) service route map
interface	(Optional) interface
r_status	(Optional) route map status
int_track_id	(Optional) interface track id
TABLE_vip	(Optional)
vip_ip	(Optional) vip ip
vip_probe	(Optional) vip protocol
vip_port	(Optional) vip port
TABLE_vip_node	(Optional)
vip_node	(Optional) service node ip
vip_nodev6	(Optional) service node IPv6
vip_config	(Optional) node config
vip_weight	(Optional) node weight
vip_status	(Optional) node status
vip_node_probe	(Optional) node probe type
vip_node_probe_port	(Optional) node probe port
vip_node_probe_ip	(Optional) node probe ip
vip_track_id	(Optional) node track id
vip_ip_sla_id	(Optional) node ip sla id
TABLE_vip_standby	(Optional)
vip_standby_ip	(Optional) standby node ip

vip_standby_ipv6	(Optional) standby node ipv6
vip_standby_config	(Optional) standby node config
vip_standby_weight	(Optional) standby node weight
vip_standby_status	(Optional) standby node status
vip_standby_probe	(Optional) standby node probe type
vip_standby_probe_port	(Optional) standby node probe port
vip_standby_probe_ip	(Optional) standby node probe ip
vip_standby_track_id	(Optional) standby node track id
vip_standby_sla_id	(Optional) standby node sla id
TABLE_vip_acl	(Optional)
vip_access_list	(Optional) access list
TABLE_node	(Optional)
node	(Optional) service node ip
nodev6	(Optional) service node IPv6
config	(Optional) node config
weight	(Optional) node weight
status	(Optional) node status
node_probe	(Optional) node probe type
node_probe_port	(Optional) node probe port
node_probe_ip	(Optional) node probe ip
track_id	(Optional) node track id
ip_sla_id	(Optional) node ip sla id
TABLE_standby	(Optional)
standby_ip	(Optional) standby node ip
standby_ipv6	(Optional) standby node ipv6
standby_config	(Optional) standby node config
standby_weight	(Optional) standby node weight
standby_status	(Optional) standby node status
standby_probe	(Optional) standby node probe type

standby_probe_port	(Optional) standby node probe port
standby_probe_ip	(Optional) standby node probe ip
standby_track_id	(Optional) standby node track id
standby_sla_id	(Optional) standby node sla id
TABLE_acl	(Optional)
access_list	(Optional) access list

Command Mode

- /exec

show snapshots

show snapshots [__readonly__ TABLE_snapshot <snap_name> <snap_ctime> <description>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
__readonly__	(Optional)
TABLE_snapshot	(Optional)
snap_name	(Optional) snapshot name
snap_ctime	(Optional) snapshot create time
description	(Optional) snapshot description

Command Mode

- /exec

show snapshots compare

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> [__readonly__ TABLE_feature <feat_name> [<feat_state1> <feat_state2>] [TABLE_element <elemkey1> <elemval1> [<elemkey2> <elemval2>] [<elemkey3> <elemval3>] [<elemkey4> <elemval4>] [<elemstate1> <elemstate2>] [TABLE_value <tag> <val1> <val2>] [TABLE_subrow <subrowkey> <subrowval> [<substate1> <substate2>] [TABLE_subvalue <tag> <val1> <val2>]]]]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
snapshot-name-T1	Name of a snapshot taken at interval T1
snapshot-name-T2	Name of a snapshot taken at interval T2
__readonly__	(Optional)
TABLE_feature	(Optional)
feat_name	(Optional) feature name
feat_state1	(Optional) feature state in snapshot1
feat_state2	(Optional) feature state in snapehot2
TABLE_element	(Optional)
elemkey1	(Optional) element key1
elemval1	(Optional) element value1
elemkey2	(Optional) element key2
elemval2	(Optional) element value2
elemkey3	(Optional) element key3
elemval3	(Optional) element value3
elemkey4	(Optional) element key4
elemval4	(Optional) element value4
elemstate1	(Optional) element state in snapshot 1
elemstate2	(Optional) element state in snapshot 2
TABLE_value	(Optional)
tag	(Optional) element tag

val1	(Optional) element value for tag in snapshot1
val2	(Optional) element value for tag in snapshot2
TABLE_subrow	(Optional)
subrowkey	(Optional) subrow key
subrowval	(Optional) subrow value
substate1	(Optional) subrow state in snapshot 1
substate2	(Optional) subrow state in snapshot 2
TABLE_subvalue	(Optional)
tag	(Optional) subrow tag
val1	(Optional) subrow value for tag in snapshot1
val2	(Optional) subrow value for tag in snapshot2

Command Mode

- /exec

show snapshots compare ipv4routes

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv4routes [__readonly__ TABLE_summary <item_desc> <summary_val1> <summary_val2> [<changed>] [TABLE_prefix <prefix> <missing_snapshot>]]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Comapre two snapshots
snapshot-name-T1	Name of a snapshot taken at interval T1
snapshot-name-T2	Name of a snapshot taken at interval T2
ipv4routes	Compare ipv4 route information
__readonly__	(Optional)
TABLE_summary	(Optional)
item_desc	(Optional) item description
summary_val1	(Optional) summary value in snapshot1
summary_val2	(Optional) summary value in snapehot2
changed	(Optional) changed flag
TABLE_prefix	(Optional)
prefix	(Optional) route prefix
missing_snapshot	(Optional) missing in snapshot name

Command Mode

- /exec

show snapshots compare ipv6routes

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv6routes [__readonly__ TABLE_summary <item_desc> <summary_val1> <summary_val2> [<changed>] [TABLE_prefix <prefix> <missing_snapshot>]]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Comapre two snapshots
snapshot-name-T1	Name of a snapshot taken at interval T1
snapshot-name-T2	Name of a snapshot taken at interval T2
ipv6routes	Compare ipv6 route information
__readonly__	(Optional)
TABLE_summary	(Optional)
item_desc	(Optional) item description
summary_val1	(Optional) summary value in snapshot1
summary_val2	(Optional) summary value in snapehot2
changed	(Optional) changed flag
TABLE_prefix	(Optional)
prefix	(Optional) route prefix
missing_snapshot	(Optional) missing in snapshot name

Command Mode

- /exec

show snapshots compare summary

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> summary [__readonly__ TABLE_summary <item_desc> <summary_val1> <summary_val2> [<changed>]]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Comapre two snapshots
snapshot-name-T1	Name of a snapshot taken at interval T1
snapshot-name-T2	Name of a snapshot taken at interval T2
summary	Compare summary information
__readonly__	(Optional)
TABLE_summary	(Optional)
item_desc	(Optional) item description
summary_val1	(Optional) summary value in snapshot1
summary_val2	(Optional) summary value in snapehot2
changed	(Optional) changed flag

Command Mode

- /exec

show snapshots dump

show snapshots dump <snapshot-name> [__readonly__ TABLE_snapshot <file_name> <snap_name>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
snapshot-name	Name of a snapshot
__readonly__	(Optional)
TABLE_snapshot	(Optional)
file_name	(Optional) snapshot XML file name
snap_name	(Optional) snapshot name

Command Mode

- /exec

show snapshots dump

show snapshots dump <snapshot-name> <section-name> [__readonly__ TABLE_snapshot <file_name> <snap_name>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
snapshot-name	Name of a snapshot
section-name	Name of snapshot section
__readonly__	(Optional)
TABLE_snapshot	(Optional)
file_name	(Optional) snapshot XML file name
snap_name	(Optional) snapshot name

Command Mode

- /exec

show snapshots sections

show snapshots sections [__readonly__ TABLE_snapsection <sectname> <sectcmd> <sectrow> <sectkey1> <sectkey2>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
sections	User-specified snapshot sections
__readonly__	(Optional)
TABLE_snapsection	(Optional)
sectname	(Optional) snapshot section name
sectcmd	(Optional) snapshot section show command
sectrow	(Optional) snapshot section row id
sectkey1	(Optional) snapshot section key1
sectkey2	(Optional) snapshot section key2

Command Mode

- /exec

show snmp

show snmp [__readonly__ <sys_contact> <sys_location> <snmp_input_packets> <bad_snmp_version> <unknown_community_name> <illegal_community_name> <encoding_Err> <req_var_nums> <alt_var_nums> <get_req_in> <getnext_req_in> <set_req_in> <noname_pdu_in> <badval_pdu_in> <ro_pdu_in> <genral_err_in> <get_resp_in> <unknown_ctx> <snmp_output_packets> <trap_pdu> <toobig_err> <noname_pdu_out> <badval_pdu_out> <genral_err_out> <get_req_out> <getnext_req_out> <set_req_out> <get_resp_out> <silent_drops> [<max_pkt_size>] [{ TABLE_snmp_community <community_name> <grouporaccess> <context> <aclfilter> }] [{ TABLE_snmp_users <user> <auth> <priv> [{ TABLE_groups <group> }] [<acl_filter>] [<engineID>] }] <tcp_auth_status> [<port_mon_status> [<policy_name> <pol_admin_status> <plo_oper_status> <pol_port_type> [TABLE_policies <counter> <threshold> <interval> <rising_threshold> <rising_event> <falling_threshold> <falling_event> <pmon_config>]]] [<protocol_status>] [{ TABLE_snmp_contexts <context_name> <proto_instanceid> <vrf> <topology> [<vlan> | <MST>] }]]

Syntax Description

show	Show running system information
snmp	show snmp information
__readonly__	(Optional) Read Only
TABLE_snmp_community	(Optional) Table that displays the community information
TABLE_snmp_users	(Optional) Table that displays the user information
TABLE_groups	(Optional) Table that displays the group information
TABLE_policies	(Optional) Table that displays the policy information
TABLE_snmp_contexts	(Optional) Table that displays the context information
sys_contact	(Optional) System Contact
sys_location	(Optional) System Location
snmp_input_packets	(Optional) SNMP input packets
bad_snmp_version	(Optional) bad snmp version in Input SNMP packets
unknown_community_name	(Optional) unknown community name in Input SNMP packets
illegal_community_name	(Optional) Illegal community name in Input SNMP packets
encoding_Err	(Optional) Encoding Errors in Input SNMP packets
req_var_nums	(Optional) number of requested variables
alt_var_nums	(Optional) number of altered variable
get_req_in	(Optional) GET request in Input SNMP packets
getnext_req_in	(Optional) GET-NEXT request in Input SNMP packets

set_req_in	(Optional) SET request in Input SNMP packets
noname_pdu_in	(Optional) NONAME PDU in Input SNMP packets
badval_pdu_in	(Optional) Bad value PDU in Input SNMP packets
ro_pdu_in	(Optional) Read only PDU in Input SNMP packets
genral_err_in	(Optional) Genral Error in Input SNMP packets
get_resp_in	(Optional) Get Response PDU in Input SNMP packets
unknown_ctx	(Optional) Unknown context Name in Input SNMP packets
snmp_output_packets	(Optional) SNMP Output Packets
trap_pdu	(Optional) Trap PDU in Output SNMP Packets
toobig_err	(Optional) Too Big errors in Output SNMP Packets
noname_pdu_out	(Optional)
badval_pdu_out	(Optional) NoName PDU in Output SNMP Packets
genral_err_out	(Optional) Genral Error in Output SNMP Packets
get_req_out	(Optional) GET request in Output SNMP Packets
getnext_req_out	(Optional) GET-NEXTrequest in Output SNMP Packets
set_req_out	(Optional) SET request in Output SNMP packets
get_resp_out	(Optional) Get Response PDU in Output SNMP Packets
silent_drops	(Optional) Silent Drop packets
max_pkt_size	(Optional) Maximum packet size
community_name	(Optional) community name
grouporaccess	(Optional) Group name
context	(Optional) contaxt Name
aclfilter	(Optional) Acl filter name
user	(Optional) User name
auth	(Optional) Auth type
priv	(Optional) Priv Type
group	(Optional) Group name
acl_filter	(Optional) acl filter
engineID	(Optional) engine id for the user

tcp_auth_status	(Optional) TCP authentication status
port_mon_status	(Optional) Port monitor status
policy_name	(Optional) policy name
pol_admin_status	(Optional) Policy Admin status
plo_oper_status	(Optional) Police oper status
pol_port_type	(Optional) policy port type
counter	(Optional) counters
threshold	(Optional) Threshold
interval	(Optional) Interval
rising_threshold	(Optional) Rising threshold
rising_event	(Optional) Rising Event
falling_threshold	(Optional) Falling threshold
falling_event	(Optional) Falling Event
pmon_config	(Optional) PMON configured
protocol_status	(Optional) Protocol Enable status
context_name	(Optional) context name
proto_instanceid	(Optional) Protocol instance ID
vrf	(Optional) VRF Name
topology	(Optional) Topology
vlan	(Optional) VLAN name
MST	(Optional) MST name

Command Mode

- /exec

show snmp community

show snmp community [__readonly__ { TABLE_snmp_community <community_name> <grouporaccess> <context> <aclfilter> }]

Syntax Description

show	Show running system information
snmp	show snmp information
community	show snmp community strings
__readonly__	(Optional) Read Only
TABLE_snmp_community	(Optional) contains all snmp community names
community_name	(Optional) community name
grouporaccess	(Optional) group or access name
context	(Optional) context name
aclfilter	(Optional) acl filter name

Command Mode

- /exec

show snmp context

show snmp context [__readonly__ { TABLE_snmp_contexts <context_name> <proto_instanceid> <vrf> <topology> [<vlan> | <MST>] }]

Syntax Description

show	Show running system information
snmp	show snmp information
context	show snmp context mapping entries
__readonly__	(Optional)
TABLE_snmp_contexts	(Optional) All SNMP Contexts Entries
context_name	(Optional) SNMP context Name
proto_instanceid	(Optional) Name of the protocol instance
vrf	(Optional) VRF name
topology	(Optional) Name of the Topology
vlan	(Optional) VLAN Name
MST	(Optional)

Command Mode

- /exec

show snmp engineID

show snmp engineID [__readonly__ <engineIDHex> <engineIDDec>]

Syntax Description

show	Show running system information
snmp	show snmp information
engineID	show snmp engineID
__readonly__	(Optional)
engineIDHex	(Optional) SNMP engineID in HEX
engineIDDec	(Optional) SNMP engineID in Decimal

Command Mode

- /exec

show snmp group

show snmp group [__readonly__ { TABLE_role <role_name> <role_description> [<attribute_scope>] [<permit_vsan>] [<permit_vlan>] [<permit_vlan_id>] [<permit_interface>] [<permit_interface_slot>] [<permit_vrf>] [TABLE_vrf<permit_vrf_name>] [{ TABLE_rule [<rule_num>] [<rule_action>] { <rule_permission> | <rule_permission_mds> } [<rule_featuretype>] [<rule_entity>] }] }]

Syntax Description

show	Show running system information
snmp	show snmp information
group	show snmp group
__readonly__	(Optional) Read Only
TABLE_role	(Optional) Table displays role
role_name	(Optional) Role Name
role_description	(Optional) Role Description
attribute_scope	(Optional) Role scope
permit_vsan	(Optional) permitted vsan
permit_vlan	(Optional)
permit_vlan_id	(Optional)
permit_interface	(Optional)
permit_interface_slot	(Optional)
permit_vrf	(Optional)
TABLE_rule	(Optional)
rule_num	(Optional)
rule_action	(Optional)
rule_permission	(Optional)
rule_permission_mds	(Optional)
rule_featuretype	(Optional)
rule_entity	(Optional)

Command Mode

- /exec

show snmp host

show snmp host [__readonly__ { TABLE_host <host><port><version><level><type><secname> [[<vrf>] [TABLE_vrf_filters <vrf_filter>] [<src_intf>]] }]

Syntax Description

show	Show running system information
snmp	show snmp information
host	show snmp hosts
__readonly__	(Optional) Read Only
TABLE_host	(Optional) displays the list of hosts configured for snmp requests
TABLE_vrf_filters	(Optional) displays the host vrf filters
vrf	(Optional) VRF Name
vrf_filter	(Optional) vrf filters
src_intf	(Optional) source interface

Command Mode

- /exec

show snmp mib igmpCacheTable

show snmp mib igmpCacheTable [<igmpCacheAddress-in>] [<igmpCacheIfIndex-in>] [__readonly__ TABLE_igmpCacheTable <igmpCacheAddress-out> <igmpCacheIfIndex-out> <igmpCacheSelf> <igmpCacheLastReporter> <igmpCacheUpTime> <igmpCacheExpiryTime> <igmpCacheStatus> <igmpCacheVersion1HostTimer>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
igmpCacheTable	show mib table igmpCacheTable
igmpCacheAddress-in	(Optional) igmpCacheAddress
igmpCacheIfIndex-in	(Optional) igmpCacheIfIndex
__readonly__	(Optional)
TABLE_igmpCacheTable	(Optional)
igmpCacheAddress-out	(Optional) mib table index igmpCacheAddress
igmpCacheIfIndex-out	(Optional) mib table index igmpCacheIfIndex
igmpCacheSelf	(Optional) mib object igmpCacheSelf
igmpCacheLastReporter	(Optional) mib object igmpCacheLastReporter
igmpCacheUpTime	(Optional) mib object igmpCacheUpTime
igmpCacheExpiryTime	(Optional) mib object igmpCacheExpiryTime
igmpCacheStatus	(Optional) mib object igmpCacheStatus
igmpCacheVersion1HostTimer	(Optional) mib object igmpCacheVersion1HostTimer

Command Mode

- /exec

show snmp mib igmpInterfaceTable

show snmp mib igmpInterfaceTable [<igmpInterfaceIfIndex-in>] [__readonly__ TABLE_igmpInterfaceTable <igmpInterfaceIfIndex-out> <igmpInterfaceQueryInterval> <igmpInterfaceStatus> <igmpInterfaceVersion> <igmpInterfaceQuerier> <igmpInterfaceQueryMaxResponseTime> <igmpInterfaceQuerierUpTime> <igmpInterfaceQuerierExpiryTime> <igmpInterfaceVersion1QuerierTimer> <igmpInterfaceWrongVersionQueries> <igmpInterfaceJoins> <igmpInterfaceProxyIfIndex> <igmpInterfaceGroups> <igmpInterfaceRobustness> <igmpInterfaceLastMembQueryIntvl>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
igmpInterfaceTable	show mib table igmpInterfaceTable
igmpInterfaceIfIndex-in	(Optional) igmpInterfaceIndex
__readonly__	(Optional)
TABLE_igmpInterfaceTable	(Optional)
igmpInterfaceIfIndex-out	(Optional) mib table index igmpInterfaceIfIndex
igmpInterfaceQueryInterval	(Optional) mib object igmpInterfaceQueryInterval
igmpInterfaceStatus	(Optional) mib object igmpInterfaceStatus
igmpInterfaceVersion	(Optional) mib object igmpInterfaceVersion
igmpInterfaceQuerier	(Optional) mib object igmpInterfaceQuerier
igmpInterfaceQueryMaxResponseTime	(Optional) mib object igmpInterfaceQueryMaxResponseTime
igmpInterfaceQuerierUpTime	(Optional) mib object igmpInterfaceQuerierUpTime
igmpInterfaceQuerierExpiryTime	(Optional) mib object igmpInterfaceQuerierExpiryTime
igmpInterfaceVersion1QuerierTimer	(Optional) mib object igmpInterfaceVersion1QuerierTimer
igmpInterfaceWrongVersionQueries	(Optional) mib object igmpInterfaceWrongVersionQueries
igmpInterfaceJoins	(Optional) mib object igmpInterfaceJoins
igmpInterfaceProxyIfIndex	(Optional) mib object igmpInterfaceProxyIfIndex
igmpInterfaceGroups	(Optional) mib object igmpInterfaceGroups
igmpInterfaceRobustness	(Optional) mib object igmpInterfaceRobustness
igmpInterfaceLastMembQueryIntvl	(Optional) mib object igmpInterfaceLastMembQueryIntvl

Command Mode

- /exec

show snmp nms-statistics

show snmp nms-statistics [__readonly__ <header> [<nms_stats>]]

Syntax Description

show	Show running system information
snmp	Show snmp information
nms-statistics	Show SNMP NMS statistics
__readonly__	(Optional) Read Only
header	(Optional) NMS Statistics header
nms_stats	(Optional) NMS Statistics

Command Mode

- /exec

show snmp oid-statistics

show snmp oid-statistics [last-access] [__readonly__ <header> { TABLE_snmp_gen <oid_stats> | TABLE_snmp_la <oid_last_access_stats> }]

Syntax Description

show	Show running system information
snmp	Show snmp information
oid-statistics	Show SNMP oid statistics
last-access	(Optional) Show SNMP oid statistics of last-access
__readonly__	(Optional) Read Only
header	(Optional) OID Statistics header
TABLE_snmp_gen	(Optional) contains all snmp oid statistics
oid_stats	(Optional) OID Statistics
TABLE_snmp_la	(Optional) contains all snmp oid last access statistics
oid_last_access_stats	(Optional) OID Last Access Statistics

Command Mode

- /exec

show snmp sessions

show snmp sessions [__readonly__ { TABLE_session <dest> }]

Syntax Description

show	Show running system information
snmp	show snmp information
sessions	show snmp sessions
__readonly__	(Optional) Read Only
TABLE_session	(Optional) table displays destination
dest	(Optional) destination

Command Mode

- /exec

show snmp source-interface

show snmp source-interface [__readonly__ { <trap_srcintf> <informs_srcintf> }]

Syntax Description

show	Show running system information
snmp	show snmp information
source-interface	show source-interface through which notifications are sent
__readonly__	(Optional) Read Only
trap_srcintf	(Optional) Displays the source interface for traps
informs_srcintf	(Optional) Displays the source interface for informs

Command Mode

- /exec

show snmp trap

show snmp trap [__readonly__ { TABLE_snmp_trap <trap_type><description><isEnabled> }]

Syntax Description

show	Show running system information
snmp	show snmp information
trap	show snmp traps
__readonly__	(Optional) Read Only
TABLE_snmp_trap	(Optional) All snmp traps configured

Command Mode

- /exec

show snmp user

show snmp user [<s0> [engineID <s1>]] [__readonly__ [{ TABLE_snmp_users <user> <auth> <priv> [<group>] + [<acl_filter>] [<engineID>] }]]

Syntax Description

show	Show running system information
snmp	show snmp information
user	show SNMPv3 users
s0	(Optional) Name of the user
engineID	(Optional) engineID
s1	(Optional) Target's SNMP engineID(colon separated) for SNMPv3 inform
__readonly__	(Optional) Read Only
TABLE_snmp_users	(Optional) table displays the snmp users
user	(Optional) user name
auth	(Optional) auth type
priv	(Optional) priv type
group	(Optional) group belongs to
acl_filter	(Optional) acl filter
engineID	(Optional) engineID for specific user

Command Mode

- /exec

show sockets client

show sockets client { [pid <pid>] [tcp | udp | raw] [detail] [kstack-ns-all] } [__readonly__ [TABLE_total_clients [<socket-type> <total-clients>] [<no-total-clients>]] [TABLE_cl_sk { <prefix> <client-name> <pid> <No-of-clients> } [<fast-tcp-mts-ctrl-q>] [{ <cancel-requests> <cancel-unblocks> <cancel-misses> <select-drops> <select-wakes> }] [TABLE_det [{ <fd> <client-id> [<mts-sap>] }]] [TABLE_st [<soc-calls>] [<bind-calls>] [<listen-calls>] [<accept-calls>] [<acc-dispat-err>] [<connect-calls>] [<connec-dispatch>] [<recvmsg-dispatch>] [<recv-dis-nblock>] [<recvmsg-call>] [<brecv-dispatch>] [<fsendmsg-calls>] [<sendmsg-dispatch>] [<sendmsg-calls>] [<msendmsg-calls>] [<select-calls>] [<select-dispatch>] [<select-need-work>] [<sh-calls>] [<close-calls>] [<fcntl-calls>] [<ioctl-calls>] [<setsock-calls>] [<getsock-calls>] [<getsockname-calls>] [<getpeer-calls>] [<fork-calls>] [<execve-calls>] [<dup-calls>] [<can-calls>] [<can-miss>] [<can-unblk-sele>] [<soc-ha-calls>] [<pfork-client>] [<read-fd>] [<write-fd>] [<read-fd-set>] [<write-fd-set>] [<fast-tcp-send-req>] [<fast-tcp-send-suc>] [<fast-tcp-ack>]] [TABLE_sterr [<sock-err>] [<sock-nodev-err>] [<bind-err>] [<lis-err>] [<accept-err>] [<connect-err>] [<recvmsg-err>] [<brcvmsg-err>] [<fsendmsg-err>] [<sendmsg-err>] [<msndmsg-err>] [<select-err>] [<sel-nomem-err>] [<shut-err>] [<close-err>] [<fcntl-err>] [<ioctl-err>] [<setsoc-err>] [<getsoc-err>] [<getsocname-err>] [<getpeername-err>] [<fork-err>] [<execve-err>] [<dup-err>] [<psoc-vrf-err>] [<psoc-nosoc-err>] [<psoc-sock-null-err>] [<psoc-socre-err>] [<pbind-nsock-err>] [<pbd-getsocaddr>] [<pbind-sobind-err>] [<plisten-nsoc-err>] [<plis-solis-err>] [<pacc-nsoc-err>] [<pacc-no-nsoc-err>] [<pacc-soc-null-err>] [<pacc-copy-err>] [<pacc-no-acc-err>] [<pacc-woublo-err>] [<pacc-connabo-err>] [<pacc-cond-wait-err>] [<pacc-so-err-err>] [<pacc-err-err>] [<pcon-no-soc-err>] [<pcon-ealready-err>] [<pconn-getsock>] [<pconn-socon-err>] [<pconn-einpro-err>] [<pconn-con-wait-err>] [<psend-no-soc-err>] [<psend-inval-iov>] [<psend-getsoc-err>] [<psend-msg-ctrl-err>] [<psend-sockarg-err>] [<psend-pru-sosend>] [<precv-nosock-err>] [<precv-inval-iovlen>] [<precv-pru-sorecv>] [<precv-cp-msg-err>] [<precv-cp-msg-nlen>] [<precv-cp-data-err>] [<pbrecv-rcvmsg-err>] [<pshut-no-soc-err>] [<psetsoc-val-err>] [<psetsoc-inv-val>] [<psetsoc-no-soc-err>] [<psetsoc-sosetopt>] [<pgetsoc-no-socerr>] [<pgetsoc-cp-err>] [<pgetsoc-val-err>] [<pgetsoc-sogt-err>] [<pgtsoc-no-soc-err>] [<pgtsoc-cp-err>] [<pgtsoc-pru-soc-err>] [<pgtsoc-cpout-err>] [<pgtprne-no-soc-err>] [<pgtprne-enot-err>] [<pgtprne-cp-err>] [<pgtprne-pru-pradd>] [<pgtprne-cpout-err>] [<pclose-no-soc-err>] [<pclose-socnull-err>] [<pclose-p-cls2-err>] [<pfcntl-no-soc-err>] [<pfcntl-soc-null>] [<pfcntl-enotsup>] [<pfcntl-einval-err>] [<pioctl-no-soc-err>] [<pioctl-enotsup>] [<pioctl-pru-cntl>] [<pfork-enomem-err>] [<pdup-no-soc-err>] [<pudp-soc-null-err>] [<ha-nomem-err>] [<ha-tlv-err>] [<ha-soc-arg-err>] [<ha-cli-tlv-err>] [<ha-pss-upd-err>] [<ha-no-soc-err>] [<ha-soc-tlv-err>] [<ha-soc-pss-upd>] [<ha-inpcb-tlv>] [<ha-inpcb-pssky>] [<ha-ip-mopt-tlv>] [<ha-ip-mopt-pss>] [<ha-ip6-mopt-tlv>] [<ha-ip6-mopt-pss>] [<ha-tcpcb-tlv>] [<ha-tcpcb-pss>] [<ft-tcp-wblock>] [<ft-send-p-sndmsg>] [<ft-ack-rcv-no-soc>] [<lxc-tgid-err>]] [TABLE_sp_cl [<can-requests> <can-unblocks> <can-misses> <sel-drops> <sel-wakes>]]]]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
client	Display sockets client information
pid	(Optional) Display specific client process information
pid	(Optional) Display client process <pid>

tcp	(Optional) Display TCP clients
udp	(Optional) Display UDP clients
raw	(Optional) Display RAW clients
detail	(Optional) Display socket details
kstack-ns-all	(Optional) Show kernel clients for all namespaces
__readonly__	(Optional)
TABLE_total_clients	(Optional) Total no of client sockets
socket-type	(Optional) Sockets type
total-clients	(Optional) total clients
no-total-clients	(Optional) number of total clients
TABLE_cl_sk	(Optional) Display Client sockets
prefix	(Optional) Prefix to the sockets
client-name	(Optional) Display socket client info
pid	(Optional) Display client process <pid>
No-of-clients	(Optional) Number of socket clients
fast-tcp-mts-ctrl-q	(Optional) Fast tcp mts control queue
cancel-requests	(Optional) cancel requests
cancel-unblocks	(Optional) cancel unblocks
cancel-misses	(Optional) cancel misses
select-drops	(Optional) select drops
select-wakes	(Optional) select wakes
TABLE_det	(Optional) Display Socket client Details
fd	(Optional) Client socket fd
client-id	(Optional) Client socket id
mts-sap	(Optional) socket mts addr sap
TABLE_st	(Optional) Sock detail Ctrl statistics
soc-calls	(Optional) sockets calls
bind-calls	(Optional) socket bind calls
listen-calls	(Optional) socket listen calls

accept-calls	(Optional) socket accept calls
acc-dispat-err	(Optional) socket accept dispatch error
connect-calls	(Optional) socket connect calls
connec-dispatch	(Optional) socket dispatch calls
recvmsg-dispatch	(Optional) receive msg dispatch
recv-dis-nblock	(Optional) receive dispatch nonblock
recvmsg-call	(Optional) receive message call
brecv-dispatch	(Optional) broadcast receive dispatch
fsendmsg-calls	(Optional) forward send message dispatch
sendmsg-dispatch	(Optional) send message dispatch
sendmsg-calls	(Optional) send message calls
msendmsg-calls	(Optional) multicast send message calls
select-calls	(Optional) select calls
select-dispatch	(Optional) select dispatch
select-need-work	(Optional) select need work
sh-calls	(Optional) show calls
close-calls	(Optional) close calls
fcntl-calls	(Optional) fcntl calls
ioctl-calls	(Optional) ioctl calls
setsock-calls	(Optional) setsock calls
getsock-calls	(Optional) getsock calls
getsockname-calls	(Optional) get socket name calls
getpeer-calls	(Optional) get peer calls
fork-calls	(Optional) fork calls
execve-calls	(Optional) execve calls
dup-calls	(Optional) duplicate calls
can-calls	(Optional) cancel calls
can-miss	(Optional) cancel miss
can-unblk-sele	(Optional) cancel unblock select

soc-ha-calls	(Optional) socket ha calls
pfork-client	(Optional) pfork client
read-fd	(Optional) socket read fd
write-fd	(Optional) socket write fd
read-fd-set	(Optional) socket read fd set
write-fd-set	(Optional) socket write fd set
fast-tcp-send-req	(Optional) socket fast tcp send request
fast-tcp-send-suc	(Optional) socket fast tcp send success
fast-tcp-ack	(Optional) socket fast tcp ack
TABLE_sterr	(Optional) Client Socket Error Statistics
sock-err	(Optional) socket error
sock-nodev-err	(Optional) socket nodev error
bind-err	(Optional) socket bind error
lis-err	(Optional) socket listen error
accept-err	(Optional) socket accept error
connect-err	(Optional) socket connect error
recvmsg-err	(Optional) socket receive message error
brcvmsg-err	(Optional) socket broadcast receive message error
fsendmsg-err	(Optional) socket forward send message error
sendmsg-err	(Optional) socket send message error
msndmsg-err	(Optional) socket multicast send message error
select-err	(Optional) socket select error
sel-nomem-err	(Optional) socket select no member error
shut-err	(Optional) socket shutdown error
close-err	(Optional) socket close error
fcntl-err	(Optional) socket fcntl error
ioctl-err	(Optional) socket ioctl error
setsoc-err	(Optional) set socket error
getsoc-err	(Optional) get socket error

getsocname-err	(Optional) get socket name error
getpeername-err	(Optional) get peer name error
fork-err	(Optional) socket fork error
execve-err	(Optional) socket execve error
dup-err	(Optional) socket duplicate error
psoc-vrf-err	(Optional) psocket vrf error
psoc-nosoc-err	(Optional) psocket nosoc error
psoc-sock-null-err	(Optional) psocket socket null error
psoc-socre-err	(Optional) psocket socre error
pbind-nsock-err	(Optional) pbind nsock error
pbd-getsocaddr	(Optional) pbd getsocaddr
pbind-sobind-err	(Optional) pbind sobind error
plisten-nsoc-err	(Optional) plisten nsoc error
plis-solis-err	(Optional) plisten socket listen error
pacc-nsoc-err	(Optional) paccept new socket error
pacc-no-nsoc-err	(Optional) paccept no new socket error
pacc-soc-null-err	(Optional) paccept socket null error
pacc-copy-err	(Optional) paccept copy error
pacc-no-acc-err	(Optional) paccept no accept error
pacc-woublo-err	(Optional) paccept would block error
pacc-connabo-err	(Optional) paccept connect abort error
pacc-cond-wait-err	(Optional) paccept condition wait error
pacc-so-err-err	(Optional) paccept socket error
pacc-err-err	(Optional) paccept error
pcon-no-soc-err	(Optional) pconnect no socket error
pcon-ealready-err	(Optional) pconnect ready error
pconn-getsock	(Optional) pconnect get socket
pconn-socon-err	(Optional) pconnect socket on error
pconn-einpro-err	(Optional) pconnect einprogress error

pconn-con-wait-err	(Optional) pconnect condition wait error
psend-no-soc-err	(Optional) psend no socket error
psend-inval-iov	(Optional) psend invalidate iov
psend-getsoc-err	(Optional) psend getsocket error
psend-msg-ctrl-err	(Optional) psend message control error
psend-sockarg-err	(Optional) psend socket argument error
psend-pru-sosend	(Optional) psend pru socket send
precv-nosock-err	(Optional) preceive no socket error
precv-inval-iovlen	(Optional) preceive invalidate iovlen
precv-pru-sorecv	(Optional) preceive pru so receive
precv-cp-msg-err	(Optional) preceive copy message error
precv-cp-msg-nlen	(Optional) preceive copy message new length
precv-cp-data-err	(Optional) preceive copy data error
pbrecv-rcvmsg-err	(Optional) preceive receive message error
pshut-no-soc-err	(Optional) pshutdown no socket error
psetsoc-val-err	(Optional) pset socket value error
psetsoc-inv-val	(Optional) pset socket invalidate error
psetsoc-no-soc-err	(Optional) pset socket no socket error
psetsoc-sosetopt	(Optional) pset socket set opt
pgetsoc-no-socerr	(Optional) pget socket no socket error
pgetsoc-cp-err	(Optional) pget socket copy error
pgetsoc-val-err	(Optional) pget socket validate error
pgetsoc-sogt-err	(Optional) pget socket sogt error
pgtsoc-no-soc-err	(Optional) pget socket no socket error
pgtsoc-cp-err	(Optional) pget socket copy error
pgtsoc-pru-soc-err	(Optional) pget socket pru socket error
pgtsoc-cpout-err	(Optional) pget socket copy out error
pgtprne-no-soc-err	(Optional) pget peer name no socket error
pgtprne-enot-err	(Optional) pget peer name enot connect error

pgtprne-cp-err	(Optional) pget peer name copy error
pgtprne-pru-pradd	(Optional) pget peer name pru peer address
pgtprne-cpout-err	(Optional) pget peer name copy out error
pclose-no-soc-err	(Optional) pclose no socket error
pclose-socnull-err	(Optional) pclose socket null error
pclose-p-cls2-err	(Optional) pclose p close2 error
pfcntl-no-soc-err	(Optional) pfcntl no socket error
pfcntl-soc-null	(Optional) pfcntl socket null
pfcntl-enotsup	(Optional) pfcntl enotsupport errors
pfcntl-einval-err	(Optional) pfcntl einvalidate error
pioctl-no-soc-err	(Optional) pioctl no socket error
pioctl-enotsup	(Optional) pioctl enotsup
pioctl-pru-cntl	(Optional) pioctl pru cntl
pfork-enomem-err	(Optional) pfork eno-memory error
pdup-no-soc-err	(Optional) pudp no socket error
pudp-soc-null-err	(Optional) pudp socket null error
ha-nomem-err	(Optional) ha no memory error
ha-tlv-err	(Optional) ha tlv error
ha-soc-arg-err	(Optional) ha socket argument error
ha-cli-tlv-err	(Optional) ha cli tlv error
ha-pss-upd-err	(Optional) ha pss udp error
ha-no-soc-err	(Optional) ha no socket error
ha-soc-tlv-err	(Optional) ha socket tlv error
ha-soc-pss-upd	(Optional) ha socket pss udp
ha-inpcb-tlv	(Optional) ha inpcb tlv value
ha-inpcb-pssky	(Optional) ha inpcb pssky value
ha-ip-mopt-tlv	(Optional) ha ip mopt tlv value
ha-ip-mopt-pss	(Optional) ha ip mopt pss value
ha-ip6-mopt-tlv	(Optional) ha ip6 mopt tlv value

ha-ip6-mopt-pss	(Optional) ha ip6 mopt pss value
ha-tcpcb-tlv	(Optional) ha socket update tcpcb to tlv error
ha-tcpcb-pss	(Optional) ha socket update tcpcb psskey update error
ft-tcp-wblock	(Optional) fast tcp send would block error
ft-send-p-sndmsg	(Optional) fast tcp send p_sendmsg errors
ft-ack-rcv-no-soc	(Optional) fast ack receive no socket
lxc-tgid-err	(Optional) Containers tgid err
TABLE_sp_cl	(Optional) Sock specific Ctrl statistics
can-requests	(Optional) socket control cancel request
can-unblocks	(Optional) socket cancel unblocks
can-misses	(Optional) socket cancel misses
sel-drops	(Optional) select drops
sel-wakes	(Optional) select wakes

Command Mode

- /exec

show sockets connection

show sockets connection [pid <pid> | tcp | udp | raw] [local { <srcIP> | <srcIP6> }] [foreign { <dstIP> | <dstIP6> }] [detail] [keydetails] [__readonly__ [{ TABLE_sockets <protocol> [<total-conn-count>] [{ TABLE_conn <afi> [<laddr>] [<lport>] [<faddr>] [<fport>] [<prot>] [<type>] [<ttl>] [<tos>] [<options>] [<state>] [<rcv-count>] [<rcv-hiwat>] [<rcv-lowat>] [<rcv-flags>] [<snd-count>] [<snd-hiwat>] [<snd-lowat>] [<snd-flags>] [<iss>] [<snd-una>] [<snd-nxt>] [<snd_wnd>] [<irs>] [<rcv-nxt>] [<rcv-wnd>] [<snd-cwnd>] [<ooo_pkt_recv>] [<ooo_pkt_drpd>] [<ooo_pkt_rqc>] [<srtt>] [<rtt>] [<rttvar>] [<krtt>] [<rttmin>] [<mss>] [<dur>] [<tcp-state>] [<flags>] [<md5-cnt>] [<md5-host>] [<md5-err>] [<tcp-count>] [<udp-count>] [<raw-count>] [<vrf-name>] [<intf>] }] }]]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
connection	Display connection information
pid	(Optional) Display specific client process connection status
pid	(Optional) Display client process connection status <pid>
tcp	(Optional) Display all TCP connections
udp	(Optional) Display all UDP connections
raw	(Optional) Display all raw connections
local	(Optional) Display all TCP connections with specified local address
srcIP	(Optional) Display all TCP connections with specified local address
foreign	(Optional) Display all TCP connections with specified foreign address
dstIP	(Optional) Display all TCP connections with specified foreign address
detail	(Optional) Display detailed connection infomation
keydetails	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
__readonly__	(Optional)
TABLE_sockets	(Optional) sockets table
protocol	(Optional) socket protocol
total-conn-count	(Optional) socket connection table
TABLE_conn	(Optional)
afi	(Optional) socket family

prot	(Optional) socket protocol
tcp-state	(Optional) socket tcp state
rcv-count	(Optional) socket connection receive count
laddr	(Optional) socket conenction laddr
lport	(Optional) socket connection lport
faddr	(Optional) socket connection faddr
fport	(Optional) socket connection fport
intf	(Optional) socket connection interface
vrf-name	(Optional) socket vrf name
snd-count	(Optional) socket connection send count
type	(Optional) socket connection type
ttl	(Optional) socket connection ttl
tos	(Optional) socket connection tos
options	(Optional) socket connection option
state	(Optional) socket connection state
iss	(Optional) socket connection iss
snd-una	(Optional) socket connection send unavailable
snd-nxt	(Optional) socket connection send next
snd_wnd	(Optional) socket connection send window
irs	(Optional) socket connection irs
rcv-nxt	(Optional) socket connection receive next
rcv-wnd	(Optional) socket connection receive window
snd-cwnd	(Optional) socket connection close sent window
ooo_pkt_recv	(Optional) socket connection out-of-order packet received
ooo_pkt_drpd	(Optional) socket connection out-of-order packet dropped
ooo_pkt_rqc	(Optional) socket connection out-of-order reassembly queue count
srtt	(Optional) socket connection srtt
rtt	(Optional) socket connection rtt
rttvar	(Optional) socket connection rttvar

krtt	(Optional) socket connection krtt
rttmin	(Optional) socket connection rtt mintues
mss	(Optional) socket connection mss
dur	(Optional) socket connection duration
flags	(Optional) socket connection flags
md5-cnt	(Optional) socket connection md5 count
md5-host	(Optional) socket connection md5 host
md5-err	(Optional) socket connection md5 error
rcv-hiwat	(Optional) socket connection receive hiwat
rcv-lowat	(Optional) socket connection receive lowat
rcv-flags	(Optional) socket connection receive flags
snd-hiwat	(Optional) socket connection send hiwat
snd-lowat	(Optional) socket connection send lowat
snd-flags	(Optional) socket connection send flags
tcp-count	(Optional) socket connection tcp count
udp-count	(Optional) socket connection udp count
raw-count	(Optional) socket connection raw count

Command Mode

- /exec

show sockets local-port-range

show sockets local-port-range [__readonly__ <kstack_local_port_range_start> <kstack_local_port_range_end> <netstack_local_port_range_start> <netstack_local_port_range_end> <nat_local_port_range_start> <nat_local_port_range_end>]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
local-port-range	Display local port range
__readonly__	(Optional)
kstack_local_port_range_start	(Optional) Kstack local port range start
kstack_local_port_range_end	(Optional) Kstack local port range end
netstack_local_port_range_start	(Optional) Netstack local port range start
netstack_local_port_range_end	(Optional) Netstack local port range end
nat_local_port_range_start	(Optional) Nat local port range start
nat_local_port_range_end	(Optional) Nat local port range end

Command Mode

- /exec

show sockets ns-port-kiosk

show sockets ns-port-kiosk [__readonly__ [TABLE_port_kiosk { <client-process-id> <client-name> } [TABLE_port_state_pro_name { <entry-counter> [<listening-port>] [<fwd-port>] [<tcp-state>] [<mts-sap>] [<protocol-name>] }]]]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
ns-port-kiosk	Display port kiosk for netstack socket clients
__readonly__	(Optional)
TABLE_port_kiosk	(Optional) Sockets ns port kiosk information
client-process-id	(Optional) Client Process ID
client-name	(Optional) Client Name
TABLE_port_state_pro_name	(Optional) Sockets ns port state protocol information
entry-counter	(Optional) Table Entry Counter
listening-port	(Optional) Listening Port
fwd-port	(Optional) FWD Port
tcp-state	(Optional) TCP State
mts-sap	(Optional) MTS SAP
protocol-name	(Optional) Protocol Name

Command Mode

- /exec

show sockets statistics

show sockets statistics [all | tcp | tcp6 | tcpsum | udp | udp6 | udpsum | raw | raw6 | rawsum] [__readonly__ [{ TABLE_stat [<rx-total>] [<rx-bad-csum>] [<rx-bad-offset>] [<rx-too-short>] [<rx-bad-md5>] [<rx-inseq-pack>] [<rx-inseq-bytes>] [<rx-dup-pack>] [<rx-dup-bytes>] [<rx-partdup-pack>] [<rx-partdup-bytes>] [<rx-oo-pack>] [<rx-oo-bytes>] [<rx-oo-drop-cnt>] [<rx-afterwin-pack>] [<rx-afterwin-bytes>] [<rx-afterclose-pack>] [<rx-winprobe-pack>] [<rx-winupdate-pack>] [<rx-dupack-pack>] [<rx-dupack-unsent-pack>] [<rx-ack-pack>] [<rx-ack-bytes>] [<rx-rcv-memdrop>] [<rx-dig-mssing>] [<rx-dig-unexpected>] [<rx-dig-notused>] [<rx-dig-valid>] [<rx-dig-invalid>] [<rx-get-passwd-fail>] [<rx-md5-mbuf-exded>] [<rx-uspec-src-recv>] [<rx-pkt-too-short>] [<rx-sin-finest>] [<rx-black-hole-syn>] [<rx-black-hole>] [<rx-drop-no-inpcb>] [<rx-drop-notcpcb>] [<rx-drp-sock-closed>] [<rx-syn-with-rst>] [<rx-syn-drop>] [<rx-bandlim>] [<rx-forged-pkt>] [<rx-drp-mbcast>] [<rx-drp-syn-add>] [<rx-drp-syn-recvd>] [<rx-drp-cc-sent>] [<rx-drp-rst-ccsent>] [<rx-frecv-enqueue>] [<rx-frecv-enqueue-fail>] [<rx-ftcp-cant-rcv-more>] [<rx-ftcp-data-ack-toapp-fail>] [<rx-ftcp-data-ack-toapp>] [<tx-total>] [<tx-urg>] [<tx-ctrl>] [<tx-data-pack>] [<tx-data-bytes>] [<tx-reasm-pack>] [<tx-reasm-bytes>] [<tx-ackonly-pack>] [<tx-winprobe-pack>] [<tx-winupdate-bytes>] [<tx-encrypt>] [<tx-unencrypt>] [<tx-md5rst>] [<tx-conn-init>] [<tx-conn-accepted>] [<tx-conn-estd>] [<closed>] [<dropped>] [<emb-dropped>] [<tx-rxmt-timeout>] [<tx-rxmt-timeout-dropped>] [<tx-ka-timeout>] [<tx-ka-probe>] [<tx-ka-drop>] [<gen-seg-timed>] [<gen-rtt-updated>] [<gen-delack>] [<gen-persist-timeout>] [<gen-paws-drop>] [<gen-predack>] [<gen-preddat>] [<gen-pcb-cachemiss>] [<gen-cache-drtt>] [<gen-cache-drttvar>] [<gen-cached-ssthresh>] [<gen-usedrtt>] [<gen-usedrttvar>] [<gen-usedssthresh>] [<gen-persistdrop>] [<gen-badsyn>] [<gen-mturesent>] [<gen-list-endrop>] [<gen-rpm-bind-synsock>] [<gen-rpm-bindsynadd>] [<gen-rpm-bindlookup>] [<gen-rpm-bindsetsock>] [<gen-rpm-unbind-getpass>] [<gen-rpm-unbinduser1>] [<gen-rpm-unbinduser2>] [<gen-rpm-unbindrollover>] [<gen-rpm-unbind-synfree>] [<gen-rpm-unbind-tpfree>] [<syn-sc-added>] [<syn-retransmitted>] [<syn-dupsyn>] [<syn-dropped>] [<syn-completed>] [<syn-bucket-overflow>] [<syn-cache-overflow>] [<syn-sc-reset>] [<syn-sc-stale>] [<syn-sc-aborted>] [<syn-sc-badack>] [<syn-sc-unreach>] [<syn-sc-zonefail>] [<syn-sc-sendcookie>] [<syn-sc-recvcookie>] [<syn-sc-crosshits>] [<syn-sc-supsyncrosshits>] [<syn-sc-removecrosshits>] [<udp-rx-total>] [<udp-rx-bad-csum>] [<udp-rx-no-csum>] [<udp-rx-too-short>] [<udp-rx-bad-len>] [<udp-rx-no-port>] [<udp-rx-no-port-bcast>] [<udp-rx-no-port-mcast>] [<udp-rx-full-socket-drop>] [<udp-tx-total>] [<raw-rx-version>] [<raw-rx-rcvd>] [<raw-rx-no-port>] [<raw-rx-full-socket-drop>] [<raw-tx-sent>] [<inpcb-tot-alloc>] [<inpcb-tot-bind>] [<inpcb-tot-laddr>] [<inpcb-tot-connect>] [<inpcb-tot-disconnect>] [<inpcb-tot-detach>] [<inpcb-tot-detach-noinc>] [<inpcb-tot-detach-rort>] [<inpcb-tot-rtfree>] [<inpcb-tot-setsock-addr>] [<inpcb-tot-setpeeraddr>] [<inpcb-tot-notify>] [<inpcb-tot-lookup-npacl-deny>] [<inpcb-tot-lookup-npacl-allow>] [<inpcb-tot-inshash-ipv4>] [<inpcb-tot-inshash-ipv6>] [<inpcb-tot-brehash-ipv4>] [<inpcb-tot-brehash-ipv6>] [<inpcb-tot-bremhash>] [<inpcb-err-allocnomem>] [<inpcb-err-bindeinavl>] [<inpcb-err-eaddrinuse>] [<inpcb-err-eagain>] [<inpcb-err-eagain2>] [<inpcb-err-eaddrnotavail>] [<inpcb-err-eafnosupport>] [<inpcb-err-enomem>] [<inpcb-err-ehostunreach>] [<inpcb-err-laddr-enxio>] [<inpcb-err-laddr-ehostunreach2>] [<inpcb-err-connectladdr>] [<inpcb-err-connect-eaddrinuse>] [<inpcb-err-connbind>] [<inpcb-err-sockaddrenomem>] [<inpcb-err-sockaddreconnreset>] [<inpcb-err-peeraddr-enomem>] [<inpcb-err-econnrest>] [<inpcb-err-respond-enobufs>] [<inpcb-err-binshash-enobufs>] [<in6pcb-tot-setport>] [<in6pcb-tot-bind>] [<in6pcb-tot-laddr>] [<in6pcb-tot-connect>] [<in6pcb-tot-disconnect>] [<in6pcb-tot-detach>] [<in6pcb-tot-sockaddr>] [<in6pcb-tot-peeraddr>] [<in6pcb-tot-notify>] [<in6pcb-tot-lookuplocal>] [<in6pcb-tot-hashnpacl-deny>] [<in6pcb-err-setporteagain>] [<in6pcb-err-setporteagain2>] [<in6pcb-err-seteagain3>] [<in6pcb-bind-eafnosupport>] [<in6pcb-err-bindeaddrinuse>] [<in6pcb-err-bindeaddrinuse2>] [<in6pcb-err-bindeaddrinuse3>] [<in6pcb-err-bindeaddrinuse4>] [<in6pcb-err-bindsetport>] [<in6pcb-err-bindeagain>] [<in6pcb-err-laddr-eafnosupport>] [<in6pcb-err-eaddrnotavail>] [<in6pcb-err-laddr-enomem>] [<in6pcb-err-laddr-ehostreach>] [

<in6pcb-err-laddr-ehostunreach2>] [<in6pcb-err-laddr-ehostunreach3>] [<in6pcb-err-laddr-ehostunreach4>] [<in6pcb-err-laddr-enxio>] [<in6pcb-err-connladdr>] [<in6pcb-err-conneaddrinuse>] [<in6pcb-err-connbind>] [<in6pcb-err-sockaddr-enomem>] [<in6pcb-err-v4maps-enomem>] [<in6pcb-err-setsock-noinp>] [<in6pcb-err-setpeer-noinp>] [<in6pcb-err-sockaddr-noinp>] [<in6pcb-err-peeraddr-noinp>] [<in6pcb-err-notify-einavl>] [<in6pcb-err-ctloutput-nosoopt>] }]]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
statistics	Display sockets statistics
all	(Optional) Display TCP/UDP/RAW v4/v6 protocols statistics
tcp	(Optional) Display TCP v4 protocol statistics
tcp6	(Optional) Display TCP v6 protocol statistics
tcpsum	(Optional) Display sum of TCP v4 and TCP v6 protocols statistics
udp	(Optional) Display UDP v4 protocol statistics
udp6	(Optional) Display UDP v6 protocol statistics
udpsum	(Optional) Display sum of UDP v4 and UDP v6 protocols statistics
raw	(Optional) Display RAW v4 protocol statistics
raw6	(Optional) Display RAW v6 protocol statistics
rawsum	(Optional) Display sum of RAW v4 and RAW v6 protocols statistics
__readonly__	(Optional)
TABLE_stat	(Optional) sockets statistics table
rx-total	(Optional) total packets received
rx-bad-csum	(Optional) packets received with ccksum errs
rx-bad-offset	(Optional) packets received with bad offset
rx-too-short	(Optional) packets received too short
rx-bad-md5	(Optional) Recieved bad digest
rx-inseq-pack	(Optional) packets received in sequence
rx-inseq-bytes	(Optional) bytes received in sequence
rx-dup-pack	(Optional) duplicate-only packets received
rx-dup-bytes	(Optional) duplicate-only bytes received
rx-partdup-pack	(Optional) packets with some duplicate data

rx-partdup-bytes	(Optional) dup. bytes in part-dup. packets
rx-oo-pack	(Optional) out-of-order packets received
rx-oo-bytes	(Optional) out-of-order bytes received
rx-oo-drop-cnt	(Optional) out-of-order drop count
rx-afterwin-pack	(Optional) packets with data after window
rx-afterwin-bytes	(Optional) bytes rcvd after window
rx-afterclose-pack	(Optional) packets rcvd after close
rx-winprobe-pack	(Optional) rcvd window probe packets
rx-winupdate-pack	(Optional) rcvd window update packets
rx-dupack-pack	(Optional) rcvd duplicate acks
rx-dupack-unsent-pack	(Optional) rcvd acks for unsent data
rx-ack-pack	(Optional) rcvd ack packets
rx-ack-bytes	(Optional) bytes acked by rcvd acks
rx-rcv-memdrop	(Optional) packets dropped for lack of memory
rx-dig-mssing	(Optional) digest missing
rx-dig-unexpected	(Optional) digest unexpected
rx-dig-notused	(Optional) digest not used
rx-dig-valid	(Optional) digest valid
rx-dig-invalid	(Optional) digest invalid
rx-get-passwd-fail	(Optional) get pass failed for RST
rx-md5-mbuf-exded	(Optional) md5 passwd exceeds mbuf
rx-uspec-src-recv	(Optional) Dropped Unspecified src pkt recieved
rx-pkt-too-short	(Optional) Dropped Packet too short
rx-sin-finest	(Optional) Dropped packet set with SYN/FIN
rx-black-hole-syn	(Optional) Dropped black hole SYN
rx-black-hole	(Optional) Dropped black hole
rx-drop-no-inpcb	(Optional) Dropped no inpcb
rx-drop-notcpcb	(Optional) Dropped no tcpcb
rx-drp-sock-closed	(Optional) Dropped socket closed

rx-syn-with-rst	(Optional) Dropped SYN with reset
rx-syn-drop	(Optional) Dropped SYN
rx-bandlim	(Optional) Dropped Bandlim rst open port
rx-forged-pkt	(Optional) Dropped Same src/dst
rx-drp-mbcast	(Optional) Dropped Broadcast/Multicast
rx-drp-syn-add	(Optional) Dropped Adding SYN failed
rx-drp-syn-recvd	(Optional) ACK recvd not for our SYN
rx-drp-cc-sent	(Optional) Dropped cc sent
rx-drp-rst-ccsent	(Optional) Dropped cc sent with reset
rx-frecv-enqueue	(Optional) Fast recv packets enqueued
rx-frecv-enqueue-fail	(Optional) Fast recv enqueue failed
rx-ftcp-cant-rcv-more	(Optional) Fast TCP can not recv more
rx-ftcp-data-ack-toapp-fail	(Optional) Fast TCP data ACK to app failed
rx-ftcp-data-ack-toapp	(Optional) Fast TCP data ACK to app
tx-total	(Optional) total packets sent
tx-urg	(Optional) packets sent with URG only
tx-ctrl	(Optional) control (SYN|FIN|RST) packets sent
tx-data-pack	(Optional) data packets sent
tx-data-bytes	(Optional) data bytes sent
tx-reasm-pack	(Optional) data packets retransmitted
tx-reasm-bytes	(Optional) data bytes retransmitted
tx-ackonly-pack	(Optional) ack-only packets sent
tx-winprobe-pack	(Optional) window probes sent
tx-winupdate-bytes	(Optional) window update-only packets sent
tx-encrypt	(Optional) Encrypted packets sent
tx-unencrypt	(Optional) Unencrypted packets sent
tx-md5rst	(Optional) No of encrypted RST packets
tx-conn-init	(Optional) connections initiated
tx-conn-accepted	(Optional) connections accepted

tx-conn-estd	(Optional) connections established
closed	(Optional) conn. closed (includes drops)
dropped	(Optional) connections dropped
emb-dropped	(Optional) embryonic connections dropped
tx-rxmt-timeout	(Optional) total rxmt timeout
tx-rxmt-timeout-dropped	(Optional) connections dropped in rxmt timeout
tx-ka-timeout	(Optional) keepalive timeouts
tx-ka-probe	(Optional) keepalive probes sent
tx-ka-drop	(Optional) connections dropped in keepalive
gen-seg-timed	(Optional) segs where we tried to get rtt
gen-rtt-updated	(Optional) times we succeeded to get rtt
gen-delack	(Optional) delayed acks sent
gen-persist-timeout	(Optional) persist timeouts
gen-paws-drop	(Optional) segments dropped due to PAWS
gen-predack	(Optional) hdr predict ok for acks
gen-preddat	(Optional) hdr predict ok for data pkts
gen-pcb-cachemiss	(Optional) PCB cache miss
gen-cache-drtt	(Optional) times cached RTT in route updated
gen-cache-drttvar	(Optional) times cached rttvar updated
gen-cached-ssthresh	(Optional) times cached ssthresh updated
gen-usedrtt	(Optional) times RTT initialized from route
gen-usedrttvar	(Optional) times RTTVAR initialized from rt
gen-usedssthresh	(Optional) times ssthresh initialized from rt
gen-persistdrop	(Optional) timeout in persist state
gen-badsyn	(Optional) bogus SYN, e.g. premature ACK
gen-mturesent	(Optional) resends due to MTU discovery
gen-list-endrop	(Optional) listen queue overflows
gen-rpm-bind-synsock	(Optional) rpm bind in synsock
gen-rpm-bindsynadd	(Optional) rpm bind in synadd

gen-rpm-bindlookup	(Optional) rpm bind in lookup
gen-rpm-bindsetsock	(Optional) rpm bind in setsock
gen-rpm-unbind-getpass	(Optional) rpm unbind get pass
gen-rpm-unbinduser1	(Optional) rpm unbind by user
gen-rpm-unbinduser2	(Optional) rpm unbind by user1
gen-rpm-unbindrollover	(Optional) rpm unbind during rollover
gen-rpm-unbind-synfree	(Optional) rpm unbind in syn free
gen-rpm-unbind-tpfree	(Optional) rpm unbind in tp free
syn-sc-added	(Optional) entry added to syncache
syn-retransmitted	(Optional) syncache entry was retransmitted
syn-dupsyn	(Optional) duplicate SYN packet
syn-dropped	(Optional) could not reply to packet
syn-completed	(Optional) successful extraction of entry
syn-bucket-overflow	(Optional) syncache per-bucket limit hit
syn-cache-overflow	(Optional) syncache cache limit hit
syn-sc-reset	(Optional) RST removed entry from syncache
syn-sc-stale	(Optional) timed out or listen socket gone
syn-sc-aborted	(Optional) syncache entry aborted
syn-sc-badack	(Optional) removed due to bad ACK
syn-sc-unreach	(Optional) ICMP unreachable received
syn-sc-zonefail	(Optional) zalloc() failed
syn-sc-sendcookie	(Optional) SYN cookie sent
syn-sc-recvcookie	(Optional) SYN cookie received
syn-sc-crosshits	(Optional) crosshits on the SC blocks
syn-sc-supsyncrosshits	(Optional) crosshits dup SYN on SC block
syn-sc-removecrosshits	(Optional) crosshits on SC blocks to remove
udp-rx-total	(Optional) total udp packets
udp-rx-bad-csum	(Optional) udp checksum error
udp-rx-no-csum	(Optional) udp no checksum

udp-rx-too-short	(Optional) udp packets drops
udp-rx-bad-len	(Optional) udp bad length
udp-rx-no-port	(Optional) udp no port
udp-rx-no-port-bcast	(Optional) udp no port broadcast
udp-rx-no-port-mcast	(Optional) udp no port multicast
udp-rx-full-socket-drop	(Optional) udp dropped full socket
udp-tx-total	(Optional) udp total packets
raw-rx-version	(Optional) raw sockets version
raw-rx-rcvd	(Optional) raw sockets connection received
raw-rx-no-port	(Optional) raw socket no port
raw-rx-full-socket-drop	(Optional) raw socket full sockets drop
raw-tx-sent	(Optional) raw socket connection sent
inpcb-tot-alloc	(Optional) inpcb allocation
inpcb-tot-bind	(Optional) inpcb bind
inpcb-tot-laddr	(Optional) inpcb laddr
inpcb-tot-connect	(Optional) inpcb connect
inpcb-tot-disconnect	(Optional) inpcb disconnect
inpcb-tot-detach	(Optional) inpcb detach
inpcb-tot-detach-noinc	(Optional) inpcb detaach no increment
inpcb-tot-detach-rort	(Optional) inpcb detach no return
inpcb-tot-rtfree	(Optional) inpcb rt free
inpcb-tot-setsock-addr	(Optional) inpcb set socket address
inpcb-tot-setpeeraddr	(Optional) inpcb set peer address
inpcb-tot-notify	(Optional) inpcb notify
inpcb-tot-lookup-npacl-deny	(Optional) inpcb lookup hash npacl deny
inpcb-tot-lookup-npacl-allow	(Optional) inpcb lookup npacl allow
inpcb-tot-inshash-ipv4	(Optional) inpcb inshash ipv4
inpcb-tot-inshash-ipv6	(Optional) inpcb inshash ipv6
inpcb-tot-brehash-ipv4	(Optional) inpcb brehash ipv4

inpcb-tot-brehash-ipv6	(Optional) inpcb brehash ipv6
inpcb-tot-bremhash	(Optional) inpcb brehash
inpcb-err-allocnomem	(Optional) inpcb allocation no memory error
inpcb-err-bindeinavl	(Optional) inpcb bind einval error
inpcb-err-eaddrinuse	(Optional) inpcb eaddr in use error
inpcb-err-eagain	(Optional) inpcb eagain error
inpcb-err-eagain2	(Optional) inpcb eagain2 error
inpcb-err-eaddrnotavail	(Optional) inpcb eaddr not availableerror
inpcb-err-eafnosupport	(Optional) inpcb eaf no support error
inpcb-err-enomem	(Optional) inpcb no-memory error
inpcb-err-ehostunreach	(Optional) inpcb ehost unreachable error
inpcb-err-laddr-enxio	(Optional) inpcb laddr enxio error
inpcb-err-laddr-ehostunreach2	(Optional) inpcb laddr ehost unreachable2 error
inpcb-err-connectladdr	(Optional) inpcb connect laddr error
inpcb-err-connect-eaddrinuse	(Optional) inpcb connect eaddress in use error
inpcb-err-connbind	(Optional) inpcb connect bind error
inpcb-err-sockaddrenomem	(Optional) inpcb socket address no memory error
inpcb-err-sockaddreconnreset	(Optional) inpcb socket address econnect reset error
inpcb-err-peeraddr-enomem	(Optional) inpcb peer address no memory error
inpcb-err-econnrest	(Optional) inpcb connection rest error
inpcb-err-respond-enobufs	(Optional) inpcb respond no buffer error
inpcb-err-binshash-enobufs	(Optional) inpcb binshash no buffer error
in6pcb-tot-setport	(Optional) in6pcb set port error
in6pcb-tot-bind	(Optional) in6pcb bind
in6pcb-tot-laddr	(Optional) in6pcb laddr
in6pcb-tot-connect	(Optional) in6pcb connect
in6pcb-tot-disconnect	(Optional) in6pcb disconnect
in6pcb-tot-detach	(Optional) in6pcb detach
in6pcb-tot-sockaddr	(Optional) in6pcb socket address

in6pcb-tot-peeraddr	(Optional) in6pcb peer address
in6pcb-tot-notify	(Optional) in6pcb notify
in6pcb-tot-lookuplocal	(Optional) in6pcb lookup local
in6pcb-tot-hashnpacl-deny	(Optional) in6pcb hash npacl deny
in6pcb-err-setporteagain	(Optional) in6pcb set port again error
in6pcb-err-setporteagain2	(Optional) in6pcb set port again2 error
in6pcb-err-seteagain3	(Optional) in6pcb set port again3 error
in6pcb-bind-eafnosupport	(Optional) in6pcb bind eaf no support error
in6pcb-err-bindeaddrinuse	(Optional) in6pcb bind address in use error
in6pcb-err-bindeaddrinuse2	(Optional) in6pcb bind address in use2 error
in6pcb-err-bindeaddrinuse3	(Optional) in6pcb bind address in use3 error
in6pcb-err-bindeaddrinuse4	(Optional) in6pcb bind address in use4 error
in6pcb-err-bindsetport	(Optional) in6pcb bind setport error
in6pcb-err-bindeagain	(Optional) in6pcb bind again error
in6pcb-err-laddr-eafnosupport	(Optional) in6pcb laddr eaf no support error
in6pcb-err-eaddrnotavail	(Optional) in6pcb address not available error
in6pcb-err-laddr-enomem	(Optional) in6pcb laddr no memory error
in6pcb-err-laddr-ehostreach	(Optional) in6pcb laddr host reach error
in6pcb-err-laddr-ehostunreach2	(Optional) in6pcb laddr host reach2 error
in6pcb-err-laddr-ehostunreach3	(Optional) in6pcb laddr host reach3 error
in6pcb-err-laddr-ehostunreach4	(Optional) in6pcb laddr host reach4 error
in6pcb-err-laddr-enxio	(Optional) in6pcb laddr enxio error
in6pcb-err-connladdr	(Optional) in6pcb connect laddr error
in6pcb-err-conneaddrinuse	(Optional) in6pcb connect eaddress in use error
in6pcb-err-connbind	(Optional) in6pcb connect bind error
in6pcb-err-sockaddr-enomem	(Optional) in6pcb socket address no memory error
in6pcb-err-v4maps-enomem	(Optional) in6pcb v4maps no memory error
in6pcb-err-setsock-noinp	(Optional) in6pcb set socket noinp error
in6pcb-err-setpeer-noinp	(Optional) in6pcb set peer noinp error

in6pcb-err-sockaddr-noinp	(Optional) in6pcb socket address noinp error
in6pcb-err-peeraddr-noinp	(Optional) in6pcb peer address noinp error
in6pcb-err-notify-einavl	(Optional) in6pcb notify eingress available error
in6pcb-err-ctloutput-nosoopt	(Optional) in6pcb control output no socket opt error

Command Mode

- /exec

show sockets tcp keychain binding

show sockets tcp keychain binding [__readonly__ { TABLE_keychain <keychain> <handle> <ref_count> }]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
tcp	TCP information
keychain	Keychain information
binding	Binding information reagarding RPM
__readonly__	(Optional)
TABLE_keychain	(Optional) all sockets tcp keychains
keychain	(Optional) xml keychain information
handle	(Optional) xml handle information
ref_count	(Optional) xml refcount information

Command Mode

- /exec

show spanning-tree

{ show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <topology_change> <topology_change_detected> <topology_change_count> <topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer> <topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> TABLE_port <if_index> [<vpc>] <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [<boundary>] [<simulate_pvst_cfg>] [<simulate_pvst>] [<prestd>]] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] { <verbosity> | active } + [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <topology_change> <topology_change_detected> <topology_change_count> <topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer> <topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [<boundary>] [<simulate_pvst_cfg>] [<simulate_pvst>] [<prestd>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
verbosity	verbosity
active	Report on active interfaces only
__readonly__	(Optional) Read Only

TABLE_tree	(Optional)
tree_id	(Optional) Tree Id
tree_tree_type	(Optional) Tree Type
tree_protocol	(Optional) Tree Protocol
port_count	(Optional) Number of Ports in Tree
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
stp_active	(Optional) Spanning Tree State
root_path_cost	(Optional) Root Path Cost
root_port_if_index	(Optional) Root Port
root_port_priority	(Optional) Root Port Priority
root_port_number	(Optional) Root Port Number
topology_change	(Optional) Topology Change flag is set ?
topology_change_detected	(Optional) Topology Change detected flag is set ?
topology_change_count	(Optional) Topology Change Count
topology_change_time_since_last	(Optional) Time since last TC
tc_initiator_if_index	(Optional) Topology Change initiator port
max_age	(Optional) Max Age
hello_time	(Optional) Hello Time
forward_delay	(Optional) Forward delay
bridge_max_age	(Optional) Configured Bridge Max Age
bridge_hello_time	(Optional) Configured Hello Time
bridge_forward_delay	(Optional) Configured Forward Delay
hold_time	(Optional) Configured Hold Time
hello_timer	(Optional) Hello Timer Value
topology_change_timer	(Optional) Topology Change Timer Value
tcn_timer	(Optional) TCN Timer Value

aging_timer	(Optional) Ageing Timer Value
disabled	(Optional) Number of ports Disabled
blocking	(Optional) Number of ports Blocking
listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
TABLE_port	(Optional)
if_index	(Optional) Interface
vpc	(Optional) STP Port memebr of MCT/VPC PO
port_info_tree_id	(Optional) Tree Id
state	(Optional) STP Port State
role	(Optional) STP Port Role
port_priority	(Optional) Port priority
port_number	(Optional) Port Number
port_protocol	(Optional) Tree Protocol
port_tree_type	(Optional) Tree Type
path_cost	(Optional) Cost configured on this port
port_designated_root	(Optional) Designated Root Mac
port_designated_root_priority	(Optional) Designated Root Priority
designated_cost	(Optional) Designated cost
designated_bridge	(Optional) Designated bridge mac
designated_bridge_priority	(Optional) Designated bridge priority
designated_port	(Optional) Designated Port Id
tc_acknowledge	(Optional) Is topology change acknowledge flag set ?
forward_transition_count	(Optional) Port transitions to Forwarding
self_looped	(Optional) Is Port self looped ?
inconsistency	(Optional) PVST+ Inconsistency Error Flags
bpdus_in	(Optional) BPDUs received on this stp port

bpdus_out	(Optional) BPDUs send on this stp port
port_fast	(Optional) Port Fast configured on port
link_type	(Optional) Link type configured on this port
port_guard	(Optional) Port Guard mode of port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_portfast	(Optional) Is portfast enabled ?
oper_p2p	(Optional) Is port P2P ?
oper_loopguard	(Optional) Is loopguard enabled ?
oper_bpduguard	(Optional) Is bpduguard enabled ?
oper_bpdufilter	(Optional) Is bpdufilter enabled ?
int_bpdufilter	(Optional) Is internal bpdufilter enabled ?
forward_delay_timer	(Optional) Forward Delay timer
hold_timer	(Optional) Hold Timer
message_age	(Optional) Message age timer
peer	(Optional) STP protocol of the peer
dispute	(Optional) Is port Disputed ?
pvstsim_inc_timer	(Optional) PVST Simulation Inconsistency Hold Timer
boundary	(Optional) Is port boundary ?
prestd	(Optional) Is port Pre STD MST ?
simulate_pvst	(Optional) Is port is pvst simulate mode ?
oper_networkport	(Optional) Is network port enabled ?
simulate_pvst_cfg	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree blockedports

{ show spanning-tree [vlan <vlan-id>] blockedports [__readonly__ [TABLE_tree [<port_info_tree_id>] [TABLE_port [<if_index>]]] [<tree_type>] [<num_ports>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
__readonly__	(Optional)
TABLE_tree	(Optional)
port_info_tree_id	(Optional) Tree name
TABLE_port	(Optional)
if_index	(Optional) Port name
tree_type	(Optional) Tree Type
num_ports	(Optional) Number of Ports
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
blockedports	Show blocked ports

Command Mode

- /exec

show spanning-tree bridge

{ show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] bridge [priority [system-id]] [__readonly__ { TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <bridge_mac> <bridge_priority> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> }] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] bridge [{ detail | brief }] [__readonly__ { TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <bridge_mac> <bridge_priority> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> }] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] bridge [{ address | forward-time | hello-time | id | max-age | protocol }] [__readonly__ { TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <bridge_mac> <bridge_priority> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> }] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
bridge	Status and configuration of this bridge
address	(Optional) Mac address of this bridge
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
protocol	(Optional) Spanning tree protocol
brief	(Optional) Brief summary of the status and configuration output
detail	(Optional) Detailed of the status and configuration
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension
__readonly__	(Optional) Read Only
TABLE_tree	(Optional)
tree_id	(Optional) Tree Id

tree_tree_type	(Optional) Tree Type
tree_protocol	(Optional) Tree Protocol
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
bridge_forward_delay	(Optional) Configured Forward Delay
bridge_max_age	(Optional) Configured Bridge Max Age
bridge_hello_time	(Optional) Configured Hello Time

Command Mode

- /exec

show spanning-tree inconsistentports

{ show spanning-tree [vlan <vlan-id>] inconsistentports [__readonly__ [TABLE_tree <port_info_tree_id> <if_index> <inconsistency>] [<tree_type>] [<num_ports>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
inconsistentports	Show inconsistent ports
__readonly__	(Optional)
TABLE_tree	(Optional)
port_info_tree_id	(Optional) Tree name
if_index	(Optional) Port name
inconsistency	(Optional) Inconsistency type
tree_type	(Optional) Tree Type
num_ports	(Optional) Number of Ports

Command Mode

- /exec

show spanning-tree interface

{ show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] interface <interface-id> [__readonly__ { TABLE_port <if_index> [<vpc>] <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> <oper_networkport> <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [<boundary>] [<simulate_pvst_cfg>] [<simulate_pvst>] [<prestd>] }] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] interface <interface-id> { <verbosity> | active } + [__readonly__ { TABLE_port <if_index> [<vpc>] <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> <oper_networkport> <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [<boundary>] [<simulate_pvst_cfg>] [<simulate_pvst>] [<prestd>] }] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
interface	Spanning Tree interface status and configuration
interface-id	
verbosity	verbosity
active	Report on active instances only
__readonly__	(Optional) Read Only
TABLE_port	(Optional)
if_index	(Optional) Interface
vpc	(Optional) STP Port memebr of MCT/VPC PO
port_info_tree_id	(Optional) Tree Id
state	(Optional) STP Port State

role	(Optional) STP Port Role
port_priority	(Optional) Port priority
port_number	(Optional) Port Number
port_protocol	(Optional) Tree Protocol
port_tree_type	(Optional) Tree Type
path_cost	(Optional) Cost configured on this port
port_designated_root	(Optional) Designated Root Mac
port_designated_root_priority	(Optional) Designated Root Priority
designated_cost	(Optional) Designated cost
designated_bridge	(Optional) Designated bridge mac
designated_bridge_priority	(Optional) Designated bridge priority
designated_port	(Optional) Designated Port Id
tc_acknowledge	(Optional) Is topology change acknowledge flag set ?
forward_transition_count	(Optional) Port transitions to Forwarding
self_looped	(Optional) Is Port self looped ?
inconsistency	(Optional) PVST+ Inconsistency Error Flags
bpdus_in	(Optional) BPDUs received on this stp port
bpdus_out	(Optional) BPDUs send on this stp port
port_fast	(Optional) Port Fast configured on port
link_type	(Optional) Link type configured on this port
port_guard	(Optional) Port Guard mode of port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_portfast	(Optional) Is portfast enabled ?
oper_p2p	(Optional) Is port P2P ?
oper_loopguard	(Optional) Is loopguard enabled ?
oper_bpduguard	(Optional) Is bpduguard enabled ?
oper_bpdufilter	(Optional) Is bpdufilter enabled ?
int_bpdufilter	(Optional) Is internal bpdufilter enabled ?

forward_delay_timer	(Optional) Forward Delay timer
hold_timer	(Optional) Hold Timer
message_age	(Optional) Message age timer
peer	(Optional) STP protocol of the peer
dispute	(Optional) Is port Disputed ?
pvstsim_inc_timer	(Optional) PVST Simulation Inconsistency Hold Timer
boundary	(Optional) Is port boundary ?
prestd	(Optional) Is port Pre STD MST ?
simulate_pvst	(Optional) Is port is pvst simulate mode ?
oper_networkport	(Optional) Is network port enabled ?
simulate_pvst_cfg	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree interface

{ show spanning-tree [vlan <vlan-id>] interface <interface-id> { cost | inconsistency | edge | priority | rootcost | state } [__readonly__ [TABLE_vlan_interface_info <tree_name> [<cost>] [<edge>] [<inconsistency>] [<priority>] [<rootcost>] [<state>]]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
interface	Spanning Tree interface status and configuration
interface-id	
cost	Port path cost
inconsistency	Port inconsistency state
edge	Edge Port configuration
priority	Port priority
rootcost	Path cost to root
state	Port spanning tree state
__readonly__	(Optional)
TABLE_vlan_interface_info	(Optional)
tree_name	(Optional) Spanning tree name
cost	(Optional) Path cost
edge	(Optional) Portfast enabled or not
inconsistency	(Optional) Port inconsistency
priority	(Optional) Port Priority
rootcost	(Optional) Designated Cost
state	(Optional) Port state

Command Mode

- /exec

show spanning-tree issu-impact

show spanning-tree issu-impact [__readonly__ [TABLE_topology <tc_detected> <tc_name> <no_of_tc> <time> <tc_string>] [TABLE_BA_ports <port_name>] [<criteria1>] [<criteria2>] [TABLE_non_edge_ports <port> <vlan> <role> <sts> <tree> <instance>] [<criteria3>]]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
issu-impact	Show whether STP meets ISSU criteria
__readonly__	(Optional)
TABLE_topology	(Optional)
tc_detected	(Optional)
tc_name	(Optional)
no_of_tc	(Optional)
time	(Optional)
tc_string	(Optional)
TABLE_BA_ports	(Optional)
port_name	(Optional)
TABLE_non_edge_ports	(Optional)
port	(Optional)
vlan	(Optional)
role	(Optional)
sts	(Optional)
tree	(Optional)
instance	(Optional)
criteria1	(Optional)
criteria2	(Optional)
criteria3	(Optional)

Command Mode

- /exec

show spanning-tree mst

{ show spanning-tree mst [<mst-id>] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <topology_change> <topology_change_detected> <topology_change_count> <topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer> <topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <ist-master-id-mac> <ist-master-prio> <ist-path-cost> <remaining-hops> <max-hops> <txholdcount> <tree-vlan-map> TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> <boundary> [<simulate_pvst_cfg>] <simulate_pvst> <prestd> [<designated_ist_master>] [<designated_ist_master_priority>] [<designated_ist_cost>] [<vlan-map>]] } | { show spanning-tree mst [<mst-id>] detail [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <topology_change> <topology_change_detected> <topology_change_count> <topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer> <topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <ist-master-id-mac> <ist-master-prio> <ist-path-cost> <remaining-hops> <max-hops> <txholdcount> <tree-vlan-map> TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> <boundary> [<simulate_pvst_cfg>] <simulate_pvst> <prestd> [<designated_ist_master>] [<designated_ist_master_priority>] [<designated_ist_cost>] [<vlan-map>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
mst-id	(Optional) MST instance range, example: 0-3,5,7-9
detail	Detailed information
__readonly__	(Optional) Read Only
TABLE_tree	(Optional)

tree_id	(Optional) Tree Id
tree_tree_type	(Optional) Tree Type
tree_protocol	(Optional) Tree Protocol
port_count	(Optional) Number of Ports in Tree
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
stp_active	(Optional) Spanning Tree State
root_path_cost	(Optional) Root Path Cost
root_port_if_index	(Optional) Root Port
root_port_priority	(Optional) Root Port Priority
root_port_number	(Optional) Root Port Number
topology_change	(Optional) Topology Change flag is set ?
topology_change_detected	(Optional) Topology Change detected flag is set ?
topology_change_count	(Optional) Topology Change Count
topology_change_time_since_last	(Optional) Time since last TC
tc_initiator_if_index	(Optional) Topology Change initiator port
max_age	(Optional) Max Age
hello_time	(Optional) Hello Time
forward_delay	(Optional) Forward delay
bridge_max_age	(Optional) Configured Bridge Max Age
bridge_hello_time	(Optional) Configured Hello Time
bridge_forward_delay	(Optional) Configured Forward Delay
hold_time	(Optional) Configured Hold Time
hello_timer	(Optional) Hello Timer Value
topology_change_timer	(Optional) Topology Change Timer Value
tcn_timer	(Optional) TCN Timer Value
aging_timer	(Optional) Ageing Timer Value

disabled	(Optional) Number of ports Disabled
blocking	(Optional) Number of ports Blocking
listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
ist-master-id-mac	(Optional) IST Master ID MAC address
ist-master-prio	(Optional) IST Master ID priority
ist-path-cost	(Optional) IST path cost
remaining-hops	(Optional) Remaining hops
max-hops	(Optional) Max Hops
txholdcount	(Optional) TX Hold count
tree-vlan-map	(Optional) Bitmap of vlans mapped to tree
TABLE_port	(Optional)
if_index	(Optional) Interface
state	(Optional) STP Port State
role	(Optional) STP Port Role
port_priority	(Optional) Port priority
port_number	(Optional) Port Number
port_info_tree_id	(Optional) Tree Id
port_tree_type	(Optional) Tree Type
port_protocol	(Optional) Tree Protocol
path_cost	(Optional) Cost configured on this port
port_designated_root	(Optional) Designated Root Mac
port_designated_root_priority	(Optional) Designated Root Priority
designated_cost	(Optional) Designated cost
designated_bridge	(Optional) Designated bridge mac
designated_bridge_priority	(Optional) Designated bridge priority
designated_port	(Optional) Designated Port Id

tc_acknowledge	(Optional) Is topology change acknowledge flag set ?
forward_transition_count	(Optional) Port transitions to Forwarding
self_looped	(Optional) Is Port self looped ?
inconsistency	(Optional) PVST+ Inconsistency Error Flags
bpdus_in	(Optional) BPDUs received on this stp port
bpdus_out	(Optional) BPDUs send on this stp port
port_fast	(Optional) Port Fast configured on port
link_type	(Optional) Link type configured on this port
port_guard	(Optional) Port Guard mode of port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_portfast	(Optional) Is portfast enabled ?
oper_p2p	(Optional) Is port P2P ?
oper_loopguard	(Optional) Is loopguard enabled ?
oper_bpduguard	(Optional) Is bpduguard enabled ?
oper_bpdufilter	(Optional) Is bpdufilter enabled ?
int_bpdufilter	(Optional) Is internal bpdufilter enabled ?
forward_delay_timer	(Optional) Forward Delay timer
hold_timer	(Optional) Hold Timer
message_age	(Optional) Message age timer
peer	(Optional) STP protocol of the peer
boundary	(Optional) Is port boundary ?
simulate_pvst	(Optional) Is port is pvst simulate mode ?
dispute	(Optional) Is port Disputed ?
pvstsim_inc_timer	(Optional) PVST Simulation Inconsistency Hold Timer
prestd	(Optional) Is port Pre STD MST ?
designated_ist_master	(Optional) Ist master mac
designated_ist_master_priority	(Optional) Ist master priority
designated_ist_cost	(Optional) Ist master path cost

vlan-map	(Optional) Bitmap of vlans mapped to port
oper_networkport	(Optional) Is network port enabled ?
simulate_pvst_cfg	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree mst configuration

{ show spanning-tree mst configuration [__readonly__ <stp-mode> <name> <rev-id> { TABLE_instance_to_vlan_map <mst_id> <vlan_bit_map> } [<pvlan-sync>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration
__readonly__	(Optional) Read Only
stp-mode	(Optional) Spanning Tree operating mode
name	(Optional) Configuration name
rev-id	(Optional) Configuration revision number
TABLE_instance_to_vlan_map	(Optional) Instance to vlan mapping Info
mst_id	(Optional) MST Instance ID
vlan_bit_map	(Optional) VLAN Bitmap
pvlan-sync	(Optional) pvlan synchronization

Command Mode

- /exec

show spanning-tree mst configuration digest

{ show spanning-tree mst configuration digest [__readonly__ <stp-mode> <name> <rev-id> <digest> <prestd-digest> [<pvlan-sync>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration
digest	Display MST configuration digest
__readonly__	(Optional) Read Only
stp-mode	(Optional) Spanning Tree operating mode
name	(Optional) Configuration name
rev-id	(Optional) Configuration revision number
digest	(Optional) MST region configuration digest
prestd-digest	(Optional) MST region configuration pre-std digest
pvlan-sync	(Optional) pvlan synchronization

Command Mode

- /exec

show spanning-tree mst interface

{ show spanning-tree mst [<mst-id>] interface <interface-id> [__readonly__ TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> [<pvstsim_inc_timer>] <boundary> [<simulate_pvst_cfg>] <simulate_pvst> <prestd> [<designated_ist_master>] [<designated_ist_master_priority>] [<designated_ist_cost>] [<vlan-map>]] } | { show spanning-tree mst [<mst-id>] interface <interface-id> detail [__readonly__ TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> [<pvstsim_inc_timer>] <boundary> [<simulate_pvst_cfg>] <simulate_pvst> <prestd> [<designated_ist_master>] [<designated_ist_master_priority>] [<designated_ist_cost>] [<vlan-map>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
mst-id	(Optional) MST instance range, example: 0-3,5,7-9
interface	Spanning Tree interface status and configuration
interface-id	Specify an interface as a target for the command
detail	Detailed information
__readonly__	(Optional) Read Only
TABLE_port	(Optional)
if_index	(Optional) Interface
port_info_tree_id	(Optional) Tree Id
state	(Optional) STP Port State
role	(Optional) STP Port Role
port_priority	(Optional) Port priority
port_number	(Optional) Port Number

port_tree_type	(Optional) Tree Type
port_protocol	(Optional) Tree Protocol
path_cost	(Optional) Cost configured on this port
port_designated_root	(Optional) Designated Root Mac
port_designated_root_priority	(Optional) Designated Root Priority
designated_cost	(Optional) Designated cost
designated_bridge	(Optional) Designated bridge mac
designated_bridge_priority	(Optional) Designated bridge priority
designated_port	(Optional) Designated Port Id
tc_acknowledge	(Optional) Is topology change acknowledge flag set ?
forward_transition_count	(Optional) Port transitions to Forwarding
self_looped	(Optional) Is Port self looped ?
inconsistency	(Optional) PVST+ Inconsistency Error Flags
bpdus_in	(Optional) BPDUs received on this stp port
bpdus_out	(Optional) BPDUs send on this stp port
port_fast	(Optional) Port Fast configured on port
link_type	(Optional) Link type configured on this port
port_guard	(Optional) Port Guard mode of port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_portfast	(Optional) Is portfast enabled ?
oper_p2p	(Optional) Is port P2P ?
oper_loopguard	(Optional) Is loopguard enabled ?
oper_bpduguard	(Optional) Is bpduguard enabled ?
oper_bpdufilter	(Optional) Is bpdufilter enabled ?
int_bpdufilter	(Optional) Is internal bpdufilter enabled ?
forward_delay_timer	(Optional) Forward Delay timer
hold_timer	(Optional) Hold Timer
message_age	(Optional) Message age timer

peer	(Optional) STP protocol of the peer
boundary	(Optional) Is port boundary ?
simulate_pvst	(Optional) Is port is pvst simulate mode ?
dispute	(Optional) Is port Disputed ?
prestd	(Optional) Is port Pre STD MST ?
designated_ist_master	(Optional) Ist master mac
designated_ist_master_priority	(Optional) Ist master priority
designated_ist_cost	(Optional) Ist master path cost
vlan-map	(Optional) Bitmap of vlans mapped to port
oper_networkport	(Optional) Is network port enabled ?
pvstsim_inc_timer	(Optional) PVST Simulation Inconsistency Hold Timer
simulate_pvst_cfg	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree pathcost method

{ show spanning-tree pathcost method [__readonly__ <stp-pathcost-method> [<stp-operpathcost-method>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
pathcost	Show Spanning pathcost options
method	Default pathcost calculation method
__readonly__	(Optional)
stp-pathcost-method	(Optional) STP Pathcost Method
stp-operpathcost-method	(Optional) STP Pathcost Method

Command Mode

- /exec

show spanning-tree root

{ show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] root [priority [system-id]] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <tree_designated_root> <tree_designated_root_priority> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <max_age> <hello_time> <forward_delay>] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] root [{ address | cost | forward-time | hello-time | id | max-age | port }] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <tree_designated_root> <tree_designated_root_priority> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <max_age> <hello_time> <forward_delay>] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] root [{ detail | brief }] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <tree_designated_root> <tree_designated_root_priority> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <max_age> <hello_time> <forward_delay>] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
root	Status and configuration of the root bridge
address	(Optional) Mac address of this bridge
cost	(Optional) Path cost from this bridge to the root
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
port	(Optional) Root port
brief	(Optional) Brief summary of interface information
detail	(Optional) Detailed information
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension
__readonly__	(Optional) Read Only

TABLE_tree	(Optional)
tree_id	(Optional) Tree Id
tree_tree_type	(Optional) Tree Type
tree_protocol	(Optional) Tree Protocol
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
root_path_cost	(Optional) Root Path Cost
root_port_if_index	(Optional) Root Port
root_port_priority	(Optional) Root Port Priority
root_port_number	(Optional) Root Port Number
max_age	(Optional) Max Age
hello_time	(Optional) Hello Time
forward_delay	(Optional) Forward delay

Command Mode

- /exec

show spanning-tree summary

show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] summary [__readonly__ <stp-mode> [<stp_tree_root_info> <tree_type> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority>] + [<stp_root_bmp_info> <stp_root_tree_type> <tree_root_bmp> <stp_l2gstp_bmp_info> <stp_l2gstp_tree_type> [<stp_l2gstp_bmp>]] <stp_global_info> <pcost_method> <oper_pcost_method> <port_fast> <bpdu_guard> <bpdu_filter> <oper_loopguard> <bridge_assurance> <networkport_default> <simulate_pvst> <max-hops> <peer_switch_cfg> <oper_peer_switch> <stp_l2gstp_domain_id> <stp_lite> [TABLE_tree <stp_tree_summary> <summary_tree_type> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <port_count>] [<stp_summary_totals> <total_tree_type> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <port_count>]]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
summary	Summary of port states
__readonly__	(Optional) Read Only
stp-mode	(Optional) Spanning Tree operating mode
stp_tree_root_info	(Optional) STP Tree Root info marker
tree_type	(Optional) Tree Type
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
stp_root_bmp_info	(Optional) STP root bitmap info marker
stp_root_tree_type	(Optional) Tree Type
tree_root_bmp	(Optional) STP tree root bmp
stp_l2gstp_bmp_info	(Optional) L2 Gateway STP bitmap marker
stp_l2gstp_tree_type	(Optional) Tree Type

stp_l2gstp_bmp	(Optional) L2 Gateway STP bitmap
stp_global_info	(Optional) STP global info marker
pcost_method	(Optional) STP pathcost method
oper_pcost_method	(Optional) STP oper pathcost method
port_fast	(Optional) Port Fast configured on port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_loopguard	(Optional) Is loopguard enabled ?
bridge_assurance	(Optional) Bridge Assurance
networkport_default	(Optional) Network Port default
simulate_pvst	(Optional) Is port is pvst simulate mode ?
max-hops	(Optional) Max Hops
peer_switch_cfg	(Optional) peer switch configuration status
oper_peer_switch	(Optional) peer switch operational status
stp_l2gstp_domain_id	(Optional) L2 Gateway STP Domain ID
stp_lite	(Optional) STP-Lite
TABLE_tree	(Optional)
stp_tree_summary	(Optional) STP Tree Summary
summary_tree_type	(Optional) Tree Type
disabled	(Optional) Number of ports Disabled
blocking	(Optional) Number of ports Blocking
listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
port_count	(Optional) Number of Ports in Tree
stp_summary_totals	(Optional) Total num STP trees
total_tree_type	(Optional) Tree Type
disabled	(Optional) Number of ports Disabled

blocking	(Optional) Number of ports Blocking
listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
port_count	(Optional) Number of Ports in Tree

Command Mode

- /exec

show spanning-tree summary totals

show spanning-tree summary totals [__readonly__ <stp-mode> <stp_tree_root_info> <tree_type> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_root_bmp_info> <stp_root_tree_type> <tree_root_bmp> <stp_l2gstp_bmp_info> <stp_l2gstp_tree_type> <stp_l2gstp_bmp> <stp_global_info> <pcost_method> <oper_pcost_method> <port_fast> <bpdu_guard> <bpdu_filter> <oper_loopguard> <bridge_assurance> <networkport_default> <simulate_pvst> <max-hops> <peer_switch_cfg> <oper_peer_switch> <stp_l2gstp_domain_id> <stp_lite> <stp_summary_totals> <total_tree_type> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <port_count>]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
summary	Summary of port states
totals	Only show totals
__readonly__	(Optional) Read Only
stp-mode	(Optional) Spanning Tree operating mode
stp_tree_root_info	(Optional) STP Tree Root info marker
tree_type	(Optional) Tree Type
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
stp_root_bmp_info	(Optional) STP root bitmap info marker
stp_root_tree_type	(Optional) Tree Type
tree_root_bmp	(Optional) STP tree root bmp
stp_l2gstp_bmp_info	(Optional) L2 Gateway STP bitmap marker
stp_l2gstp_tree_type	(Optional) Tree Type
stp_l2gstp_bmp	(Optional) L2 Gateway STP bitmap
stp_global_info	(Optional) STP global info marker
pcost_method	(Optional) STP pathcost method
oper_pcost_method	(Optional) STP oper pathcost method
port_fast	(Optional) Port Fast configured on port

bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_loopguard	(Optional) Is loopguard enabled ?
bridge_assurance	(Optional) Bridge Assurance
networkport_default	(Optional) Network Port default
simulate_pvst	(Optional) Is port is pvst simulate mode ?
max-hops	(Optional) Max Hops
peer_switch_cfg	(Optional) peer switch configuration status
oper_peer_switch	(Optional) peer switch operational status
stp_l2gstp_domain_id	(Optional) L2 Gateway STP Domain ID
stp_lite	(Optional) STP-Lite
stp_summary_totals	(Optional) Total num STP trees
total_tree_type	(Optional) Tree Type
disabled	(Optional) Number of ports Disabled
blocking	(Optional) Number of ports Blocking
listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
port_count	(Optional) Number of Ports in Tree

Command Mode

- /exec

show srte pce ipv4 peer

show srte pce ipv4 peer [<pce_address>] [__readonly__ [TABLE_peer <pce_address> <pcc_address> <precedence> <state>]]

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
pce	Show PCC related information
ipv4	Show ipv4 pcc information
peer	Show PCE peers
pce_address	(Optional) PCE address of the peer
__readonly__	(Optional)
TABLE_peer	(Optional) Table with a list of peers
pce_address	(Optional) Address of the PCE
pcc_address	(Optional) Address of the PCC
precedence	(Optional) Configured precedence of the PCE
state	(Optional) State of the PCE connection

Command Mode

- /exec

show srte policy

show srte policy [{ <policy_name_val> } | { color <color_val> endpoint <end_point_val> } | { policy-id <policy_id_val> }] [holddown] [detail] [__readonly__ [TABLE_policy <policy_name> <source> <end_point> <state> <col> <binding_label> <policy_id> [<flags>] [<holddown_time>] [TABLE_pref <pref> [TABLE_paths { <exp_path_name> | <deleg_pce_addr> } [TABLE_index <index> <label>]]]]]

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
color	(Optional) Show policies with the color
endpoint	(Optional) Show Policies with the destination
end_point_val	(Optional) Endpoint for the policy
policy_name_val	(Optional) Policy name of the policy
color_val	(Optional) Color of the policy
policy_id_val	(Optional) Policy_id of the policy
policy-id	(Optional) Show Policy for the policy-id
holddown	(Optional) Show Policies that are in holddown
detail	(Optional) Display detailed information
__readonly__	(Optional)
TABLE_policy	(Optional) Table with a list of policies
policy_name	(Optional) Unique name for the policy
end_point	(Optional) Endpoint for the policy
source	(Optional) Source address of the policy
state	(Optional) State of the policy
col	(Optional) Color of the policy
binding_label	(Optional) Binding label of the policy
policy_id	(Optional) Policy ID
flags	(Optional) Policy Flags
holddown_time	(Optional) Time when the policy was put in holddown

TABLE_pref	(Optional) Table with a list of canditate path based on pref
pref	(Optional) Preference for candidate paths
TABLE_paths	(Optional) Table with a list of exp path for pref
exp_path_name	(Optional) Name of the explicit-path
deleg_pce_addr	(Optional) Delegated PCE Address
TABLE_index	(Optional) Table with a list of index for the exp path
index	(Optional) Index for the explicit path
label	(Optional) Label for the explicit path

Command Mode

- /exec

show srte policy fh

show srte policy fh [__readonly__ [TABLE_fh [<label> <type> <state>] [TABLE_index [<index> <ip_addr> <mask_len>]]]]

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
fh	Show existing policies firsthop state
__readonly__	(Optional)
TABLE_fh	(Optional) Table with a list of first hops
label	(Optional) First hop label
type	(Optional) First hop type
state	(Optional) First hop state
TABLE_index	(Optional) Table with index for the first hop
index	(Optional) Index for the first hop
ip_addr	(Optional) Monitored address
mask_len	(Optional) Mask length

Command Mode

- /exec

show ssh key

show ssh key [{ dsa [md5] | rsa [md5] | ecdsa | [md5] }] [__readonly__ { TABLE_sessions <key_type> <key_time> <key_data> <key_bitcount> <key_fingerprint> }]

Syntax Description

show	Show running system information
ssh	Show SSH information
key	Show ssh keys
dsa	(Optional) Show dsa ssh keys
rsa	(Optional) Show rsa ssh keys
ecdsa	(Optional) Show ecdsa ssh keys
md5	(Optional) Show Fingerprint in MD5 Format
__readonly__	(Optional)
TABLE_sessions	(Optional) ssh key
key_type	(Optional) keys type
key_time	(Optional) timestamp
key_data	(Optional) ssh key data
key_bitcount	(Optional) bitcount
key_fingerprint	(Optional) fingerprint

Command Mode

- /exec

show ssh server

show ssh server [__readonly__ { operation_status <o_status> }]

Syntax Description

show	Show running system information
ssh	Show SSH information
server	Show whether ssh server is enabled or not
__readonly__	(Optional)
operation_status	(Optional) run-time information about ssh
o_status	(Optional) operational status of ssh server

Command Mode

- /exec

show ssx details

show ssx details [__readonly__ [TABLE_ssx_details
<system-id><arp-timer-running><asic-instance><asic-slice><io-srcid> [<packets-sent>]]]

Syntax Description

ssx	Display SSX information
details	Show SSX details
__readonly__	(Optional) Read Only
TABLE_ssx_details	(Optional) SSX details table

Command Mode

- /exec

show ssx exporter

show ssx exporter { all | <exportername> } [__readonly__ [TABLE_ssx_exporters <exporter-name> <src-ip><src-udp-port><dest-ip><dest-udp-port><vrf><mtu><dscp>]]

Syntax Description

ssx	Display SSX information
exporter	Show exporter details
all	All sessions
exportername	SSX Exporter to display
__readonly__	(Optional) Read Only
TABLE_ssx_exporters	(Optional) SSX Exporters table

Command Mode

- /exec

show ssx monitor

show ssx monitor { all | <monitorname> } [__readonly__ [TABLE_ssx_monitors <monitor-name> <globally-applied><status><exportername><recordname>]]

Syntax Description

ssx	Display SSX information
monitor	Show monitor details
all	All sessions
monitorname	SSX Monitor to display
__readonly__	(Optional) Read Only
TABLE_ssx_monitors	(Optional) SSX monitors table

Command Mode

- /exec

show ssx record

show ssx record { all | <recordname> } [__readonly__ [TABLE_ssx_records <record-name> [TABLE_stats_type <stats-type>] <interval>]]

Syntax Description

ssx	Display SSX information
record	Show record details
all	All sessions
recordname	SSX Record to display
__readonly__	(Optional) Read Only
TABLE_ssx_records	(Optional) SSX records table
TABLE_stats_type	(Optional) SSX records stats type table
interval	(Optional) SSX interval

Command Mode

- /exec

show startup-config

show startup-config

Syntax Description

show	Show running system information
startup-config	Current startup configuration

Command Mode

- /exec

show startup-config aaa

show startup-config aaa

Syntax Description

show	show startup-cfg
startup-config	show startup system information
aaa	Display aaa configuration

Command Mode

- /exec

show startup-config acllog

show startup-config acllog [all]

Syntax Description

show	Show running system information
startup-config	Displaying the startup configuration
acllog	show startup config for acllog
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config aclmgr

show startup-config aclmgr [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
aclmgr	show startup config for aclmgr
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config adjmgr

show startup-config adjmgr [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
adjmgr	Display adjmgr information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config arp

show startup-config arp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
arp	Display arp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config assoc

show startup-config assoc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
assoc	Original ID to Translated ID Association
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config backup

show startup-config { backup | flexlink } [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
backup	Show startup config for Switchport Backup
flexlink	Show startup config for Switchport Backup
all	(Optional) Show config with defaults

Command Mode

- /exec

show startup-config bfd

show startup-config bfd [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
bfd	show startup config for bfd
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config bgp

show startup-config bgp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
bgp	Display bgp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config bloggerd

show startup-config bloggerd [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
bloggerd	Display bloggerd configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config callhome

show startup-config callhome

Syntax Description

show	show startup-cfg
startup-config	show startup system information
callhome	Display callhome configuration

Command Mode

- /exec

show startup-config catena

show startup-config catena

Syntax Description

show	Show system information
startup-config	System startup configuration
catena	startup config for feature CATENA

Command Mode

- /exec

show startup-config cdp

show startup-config cdp [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
cdp	Display cdp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config cert-enroll

show startup-config cert-enroll

Syntax Description

show	show startup-cfg
startup-config	show startup system information
cert-enroll	Display certificates configuration

Command Mode

- /exec

show startup-config cfs

show startup-config cfs [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
cfs	Display cfs configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config config-profile

show startup-config config-profile [<all_conf_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
config-profile	Display port-profile configuration
all_conf_profile_name	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config copp

show startup-config copp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
copp	Control-Plane Policing
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config dhcp

show startup-config dhcp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
dhcp	Display dhcp snoop configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config diagnostic

show startup-config diagnostic [all]

Syntax Description

show	Show running system information
startup-config	Contents of startup configuration
diagnostic	Diagnostic configuration
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config dot1x

show startup-config dot1x

Syntax Description

show	show startup-cfg
startup-config	show startup system information
dot1x	Display dot1x configuration

Command Mode

- /exec

show startup-config ecp

show startup-config ecp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ecp	ECP (Edge Control Protocol)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config eem

show startup-config eem

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
eem	Show the event manager startup configuration

Command Mode

- /exec

show startup-config eigrp

show startup-config eigrp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eigrp	Display eigrp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config eltm

show startup-config eltm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eltm	Display eltm configurations

Command Mode

- /exec

show startup-config evb

show startup-config evb [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
evb	EVB (Edge Virtual Bridge)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config exclude

show startup-config exclude <feature-list> +

Syntax Description

show	Show running system information
startup-config	Current startup configuration
exclude	Exclude startup configuration of specified features
feature-list	Exclude features

Command Mode

- /exec

show startup-config expand-port-profile

show startup-config expand-port-profile

Syntax Description

show	Show running system information
startup-config	System startup-config commands
expand-port-profile	Expand port profile

Command Mode

- /exec

show startup-config fabric forwarding

show startup-config fabric forwarding [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabric multicast

show startup-config fabric multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
multicast	Multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabricpath

show startup-config fabricpath

Syntax Description

show	Show running system information
startup-config	System startup-config commands
fabricpath	fabricpath information

Command Mode

- /exec

show startup-config fabricpath domain default

show startup-config fabricpath domain default [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabricpath	fabricpath information
domain	Enter fabricpath IS-IS domain configuration mode
default	default fabricpath domain
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabricpath switch-id

show startup-config fabricpath switch-id

Syntax Description

startup-config	Current startup configuration
fabricpath	fabricpath information
switch-id	fabricpath switch-id configuration

Command Mode

- /exec

show startup-config fabricpath topology

show startup-config fabricpath topology [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabricpath	fabricpath Module Information
topology	Fabricpath topology Information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fcoe_mgr

show startup-config fcoe_mgr

Syntax Description

show	show startup-cfg
startup-config	show startup system information
fcoe_mgr	Display fcoe_mgr configuration

Command Mode

- /exec

show startup-config glbp

show startup-config glbp

Syntax Description

show	Show system information
startup-config	System startup configuration
glbp	GLBP startup configuration

Command Mode

- /exec

show startup-config hardware-telemetry

show startup-config hardware-telemetry [all]

Syntax Description

show	Show system information
startup-config	Current startup configuration
hardware-telemetry	show startup config for hardware-telemetry
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config hsrp

show startup-config hsrp

Syntax Description

show	Show system information
startup-config	System startup configuration
hsrp	HSRP startup configuration

Command Mode

- /exec

show startup-config icam

show startup-config icam

Syntax Description

show	show startup-cfg
startup-config	show startup system information
icam	icam services

Command Mode

- /exec

show startup-config icmpv6

show startup-config icmpv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
icmpv6	Display icmpv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config igmp

show startup-config igmp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
igmp	Display igmp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config imp

show startup-config imp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
imp	Display imp information
all	(Optional) Display start config with defaults clis

Command Mode

- /exec

show startup-config interface

show startup-config interface <if0> [membership] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
if0	interface type and number in module/slot format
membership	(Optional) Show membership information
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config interface

show startup-config interface [<if0>] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
if0	(Optional) interface type and number in module/slot format
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config ip

show startup-config ip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ip	Display ip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ipqos

show startup-config ipqos [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config ipv6

show startup-config ipv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ipv6	Display ipv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config isis

show startup-config isis [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
isis	Display isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config l3vm

show startup-config l3vm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
l3vm	Display l3vm information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config ldap

show startup-config ldap

Syntax Description

show	show startup-cfg
startup-config	show startup system information
ldap	Display ldap configuration

Command Mode

- /exec

show startup-config license

show startup-config license [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
license	Display licensing configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config lisp

show startup-config lisp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
lisp	Display lisp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config lldp

show startup-config lldp [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
lldp	Display lldp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config log

show startup-config { log | mdp-log } [bootstrap]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mdp-log	Displays execution log of last used mdp ascii startup configuration
log	Displays execution log of last used ascii startup configuration
bootstrap	(Optional) Bootstrap config replay execution log

Command Mode

- /exec

show startup-config macsec

show startup-config macsec

Syntax Description

show	Show running system information
startup-config	show startup system information
macsec	Show CTS information

Command Mode

- /exec

show startup-config mmode

show startup-config mmode [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
mmode	Display maintenance mode startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config monitor

show startup-config monitor

Syntax Description

show	Show running system information
startup-config	Current startup configuration
monitor	Configure Ethernet SPAN sessions

Command Mode

- /exec

show startup-config mpls static

show startup-config mpls static [all]

Syntax Description

show	Show running system information
startup-config	Current operating configuration
mpls	Display MPLS status and configuration
static	Static Label Bindings
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show startup-config mpls strip

show startup-config mpls strip [all]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
startup-config	System startup configuration
all	(Optional) Show startup configuration for STRIPCL with defaults

Command Mode

- /exec

show startup-config mpls traffic-eng

show startup-config mpls traffic-eng [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mpls	show startup config for mpls features
traffic-eng	show startup-config for Traffic Engineering
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config msdp

show startup-config msdp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
msdp	Display msdp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config nat

show startup-config nat [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
nat	show startup config for nat
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config nbm

show startup-config nbm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
nbm	Non Blocking Multicast

Command Mode

- /exec

show startup-config ngoam

show startup-config ngoam

Syntax Description

show	Show running system information
startup-config	Show startup system information
ngoam	ngoam configuration

Command Mode

- /exec

show startup-config ntp

show startup-config ntp [all]

Syntax Description

show	Show information
startup-config	Show startup system configuration
ntp	Show NTP information
all	(Optional) Show all NTP startup configuration

Command Mode

- /exec

show startup-config nv overlay

show startup-config nv overlay [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
nv	NVE startup configuration
overlay	NVE startup configuration
all	(Optional) Show NVE config with defaults

Command Mode

- /exec

show startup-config nxsdk

show startup-config nxsdk [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
nxsdk	NXOS SDK
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config openflow

show startup-config openflow [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
openflow	Show startup config for OpenFlow
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config ospf

show startup-config ospf [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospf	Display ospf information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ospfv3

show startup-config ospfv3 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospfv3	Display ospfv3 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config otv-isis

show startup-config otv-isis [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
otv-isis	Display otv-isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config otv

show startup-config otv [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
otv	Display otv information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config param-list

show startup-config param-list [<plistname>]

Syntax Description

show	Show startup-cfg
startup-config	show startup configuration
param-list	Display param-list configuration
plistname	(Optional) Enter the name of the param list

Command Mode

- /exec

show startup-config pim

show startup-config pim [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim	Display pim information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config pim6

show startup-config pim6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim6	Display pim6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config plb-services

show startup-config plb-services

Syntax Description

show	show startup-cfg
startup-config	show startup system information
plb-services	PLB services

Command Mode

- /exec

show startup-config poe

show startup-config poe [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
poe	Power over Ethernet
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config port-profile

show startup-config port-profile [<all_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
port-profile	Display port-profile configuration
all_profile_name	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config port-security

show startup-config port-security [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
port-security	Display port-security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config ptp

show startup-config ptp [all]

Syntax Description

show	show system information
startup-config	show startup system information
ptp	Show startup configuration for ptp
all	(Optional) Show startup configuration for PTP with defaults

Command Mode

- /exec

show startup-config radius

show startup-config radius

Syntax Description

show	show startup-cfg
startup-config	show startup system information
radius	Display radius configuration

Command Mode

- /exec

show startup-config rip

show startup-config rip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rip	Display rip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config routing ip multicast

show startup-config routing { ip | ipv4 } multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ip	Display IP information
ipv4	Display IP information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config routing ipv6 multicast

show startup-config routing ipv6 multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config rpm

show startup-config rpm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rpm	Display Route Policy Manager (RPM) information
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config rsvp

show startup-config rsvp

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rsvp	Display RSVP status

Command Mode

- /exec

show startup-config scheduler

show startup-config scheduler [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
scheduler	Show scheduler config or data
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config security

show startup-config security

Syntax Description

show	show startup-cfg
startup-config	show startup system information
security	Display security configuration

Command Mode

- /exec

show startup-config segment-routing

show startup-config segment-routing [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
segment-routing	Display segment-routing startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config services

show startup-config services

Syntax Description

show	show startup-cfg
startup-config	show startup system information
services	services

Command Mode

- /exec

show startup-config sflow

show startup-config { sflow } [all]

Syntax Description

show	Show system information
startup-config	Current startup configuration
sflow	show startup config for sflow
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config sla responder

show startup-config sla responder

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
responder	Show information about sla-responder

Command Mode

- /exec

show startup-config sla sender

show startup-config sla sender

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
sender	Show information about sla-sender

Command Mode

- /exec

show startup-config sla twamp-server

show startup-config sla twamp-server

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
twamp-server	Show information about twamp-server

Command Mode

- /exec

show startup-config smart-channel

show startup-config smart-channel

Syntax Description

show	show startup-cfg
startup-config	show startup system information
smart-channel	smart-channel services

Command Mode

- /exec

show startup-config snmp

show startup-config snmp [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
snmp	Display snmp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config srte

show startup-config srte

Syntax Description

show	Show running system information
startup-config	Current operating configuration
srte	SRTE

Command Mode

- /exec

show startup-config switch

show startup-config { switch-profile | include-switch-profile }

Syntax Description

show	Show running system information
startup-config	System startup configuration
switch-profile	Show switch-profile information
include-switch-profile	Show startup and switch-profile configuration

Command Mode

- /exec

show startup-config tacacs

show startup-config tacacs +

Syntax Description

show	show startup-cfg
startup-config	show startup system information

Command Mode

- /exec

show startup-config telemetry

show startup-config telemetry [all]

Syntax Description

show	show startup system configuration
startup-config	show startup system information
telemetry	Display telemetry configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config track

show startup-config track

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
track	Show the track startup configuration

Command Mode

- /exec

show startup-config udld

show startup-config udld

Syntax Description

show	Show running system information
startup-config	Current startup configuration
udld	Show udld configuration

Command Mode

- /exec

show startup-config vdc-all

show startup-config vdc-all

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vdc-all	Display config from all VDC

Command Mode

- /exec

show startup-config vdc

show startup-config vdc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
vdc	Show Virtual Device Contexts
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config virtual-service

show startup-config virtual-service

Syntax Description

show	Show running system information
startup-config	System startup-config commands
virtual-service	Show startup config for virtualization services

Command Mode

- /exec

show startup-config vlan

show startup-config vlan <vlan-id>

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands
vlan-id	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show startup-config vlan

show startup-config vlan

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands

Command Mode

- /exec

show startup-config vmtracker

show startup-config vmtracker [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
vmtracker	Show VMTracker configuration
all	(Optional) Show VMTracker config with defaults

Command Mode

- /exec

show startup-config vpc

show startup-config vpc [all]

Syntax Description

startup-config	Current startup configuration
vpc	show startup config for vPC
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config vrf

show startup-config vrf <vrf-cfg-name> [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
vrf-cfg-name	Configurable VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrf default

show startup-config vrf default [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
default	Known VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrrpv3

show startup-config vrrpv3 [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
vrrpv3	VRRPv3 startup configuration
all	(Optional) show startup config of VRRPv3 with defaults

Command Mode

- /exec

show startup-config vshd

show startup-config vshd

Syntax Description

show	Show startup system information
startup-config	Current startup configuration
vshd	Show startup config for vshd

Command Mode

- /exec

show startup-config vtp

show startup-config vtp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vtp	Show startup configuration for VTP
all	(Optional) Show startup configuration for VTP with defaults

Command Mode

- /exec

show startup-config wwnm

show startup-config wwnm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
wwnm	Display WWN Manager startup configuration

Command Mode

- /exec

show summary

show { ip mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | ip bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] all | ip bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [ipv4 [{ unicast | multicast }]] } summary [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show switch-profile

show switch-profile [__readonly__ <profile_name> <cfg_rev>]

Syntax Description

show	Show running system information
switch-profile	Show switch-profiles
__readonly__	(Optional)
profile_name	(Optional)
cfg_rev	(Optional)

Command Mode

- /exec

show switch-profile

show switch-profile [<profile-name>] { session-history | status commit } [__readonly__ <prof-name> TABLE_session <session_index> <start_usec> <start_time> <end_usec> <end_time> <revision_number> <session_type> <session_subtype> <peer_triggered> [<profile_status>] [<local_status>] [<local_error>] [<peer_address>] [<peer_sync_status>] [<merge_flags>] [<remote_status>] [<remote_error>]]

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
session-history	Switch-profile session-history
profile-name	(Optional) switch-profile name
status	Switch-profile sync status
commit	Switch-profile last commit status
__readonly__	(Optional)
prof-name	(Optional)
TABLE_session	(Optional)
session_index	(Optional)
start_usec	(Optional)
start_time	(Optional)
end_usec	(Optional)
end_time	(Optional)
revision_number	(Optional)
session_type	(Optional)
session_subtype	(Optional)
peer_triggered	(Optional)
profile_status	(Optional)
local_status	(Optional)
local_error	(Optional)
peer_address	(Optional)
peer_sync_status	(Optional)

merge_flags	(Optional)
remote_status	(Optional)
remote_error	(Optional)

Command Mode

- /exec

show switch-profile buffer

show switch-profile [<profile-name>] buffer [__readonly__ <prof-name> [TABLE_commands <seq_no> [<cmd>] +]]

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
buffer	buffered commands
profile-name	(Optional) switch-profile name
__readonly__	(Optional)
prof-name	(Optional)
TABLE_commands	(Optional)
seq_no	(Optional)
cmd	(Optional)

Command Mode

- /exec

show switch-profile peer

show switch-profile [<profile-name>] peer [<dest-ip>] [details] [__readonly__ <prof-name> [<rev>] [<peer_address>] [<peer_sync_status>] [<merge_flags>] [<remote_status>] [<remote_error>] [<cmd>] +]

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
profile-name	(Optional) switch-profile name
peer	peer info
dest-ip	(Optional) IPv4 address (A.B.C.D) of destination
details	(Optional) information in detail
__readonly__	(Optional)
prof-name	(Optional)
rev	(Optional)
peer_address	(Optional)
peer_sync_status	(Optional)
merge_flags	(Optional)
remote_status	(Optional)
remote_error	(Optional)
cmd	(Optional)

Command Mode

- /exec

show switch-profile status

show switch-profile [<profile-name>] status [__readonly__ <prof-name> <start_usec> <start_time> <end_usec> <end_time> <revision_number> <session_type> [<session_subtype>] <peer_triggered> <profile_status> <local_status> <local_error> [<peer_address>] [<peer_sync_status>] [<merge_flags>] [<remote_status>] [<remote_error>]]

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
status	Switch-profile sync status
profile-name	(Optional) switch-profile name
__readonly__	(Optional)
prof-name	(Optional)
start_usec	(Optional)
start_time	(Optional)
end_usec	(Optional)
end_time	(Optional)
revision_number	(Optional)
session_type	(Optional)
session_subtype	(Optional)
peer_triggered	(Optional)
profile_status	(Optional)
local_status	(Optional)
local_error	(Optional)
peer_address	(Optional)
peer_sync_status	(Optional)
merge_flags	(Optional)
remote_status	(Optional)
remote_error	(Optional)

Command Mode

- /exec

show switch-scope controller

show switch-scope controller

Syntax Description

show	Show running system information
switch-scope	switch-scope
controller	Controller command

Command Mode

- /exec

show switching-mode

show switching-mode [__readonly__ { TABLE_switching_mode <switching-mode-desc> } { TABLE_swtmoduinfo <moduleno> <opmode> }]

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode
__readonly__	(Optional)
TABLE_switching_mode	(Optional) the xml switching_mode configuration
switching-mode-desc	(Optional) switching mode description
TABLE_swtmoduinfo	(Optional) the xml switching module information
moduleno	(Optional) Module Number
opmode	(Optional) Operation Mode

Command Mode

- /exec

show switching-mode fabric-speed

show switching-mode fabric-speed [__readonly__ TABLE_switching_mode_fabric_speed <fabric-speed-desc>]

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode
fabric-speed	Show the fabric speed
__readonly__	(Optional)
TABLE_switching_mode_fabric_speed	(Optional) the xml switching_mode_fabric_speed configuration
fabric-speed-desc	(Optional) fabric speed description

Command Mode

- /exec

show system acl

show system acl [__readonly__ TABLE_system_acl <protocol> [TABLE_type <type> <acl_name> <inout>]]

Syntax Description

show	Show running system information
system	System management commands
acl	ACL parameters
__readonly__	(Optional)
TABLE_system_acl	(Optional)
protocol	(Optional) protocol
TABLE_type	(Optional)
type	(Optional) type
acl_name	(Optional)
inout	(Optional) Traffic direction

Command Mode

- /exec

show system auto-collect tech-support

show system auto-collect tech-support [__readonly__ <result>]

Syntax Description

show	Show running system information
system	System management commands
auto-collect	Auto collection of information
tech-support	Collect tech-support in case of service causing supervisor reset
__readonly__	(Optional)
result	(Optional) show tech collection enable status

Command Mode

- /exec

show system boottime

show system boottime [__readonly__ { TABLE_uptimeinf <slot> <starttime> <daysup> <hoursup> <minutesup> <secondsup> }]

Syntax Description

show	Show running system information
system	System-related show commands
boottime	Show platform boot time of each mdoule
__readonly__	(Optional)
TABLE_uptimeinf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
slot	(Optional) Slot
starttime	(Optional) Start Time
daysup	(Optional) Days Up
hoursup	(Optional) Hours Up
minutesup	(Optional) Minutes Up
secondsup	(Optional) Seconds Up

Command Mode

- /exec

show system config reload-pending

show system config reload-pending [__readonly__ { TABLE_reload_pending <cmds_list> }]

Syntax Description

show	Show running system information
system	System-related show commands
config	Config commands which require reload
reload-pending	Commands which require a reload
__readonly__	(Optional)
TABLE_reload_pending	(Optional) reload pending commands list
cmds_list	(Optional) cmds_list

Command Mode

- /exec

show system cores

show system cores [__readonly__ { <content> }]

Syntax Description

show	Show running system information
system	System-related show commands
cores	Displays core transfer option
__readonly__	(Optional)
content	(Optional) Core transfer option

Command Mode

- /exec

show system default switchport

show system default switchport [__readonly__ <sys_def_port_state> <sys_def_trunk_mode> <sys_def_link_fail_syslog_level> <sys_def_tx_credit_queue_type>]

Syntax Description

show	Show running system information
__readonly__	(Optional) read only
sys_def_port_state	(Optional) System default port state
sys_def_trunk_mode	(Optional) System default trunk mode
sys_def_link_fail_syslog_level	(Optional) System default link failure syslog logging level
sys_def_tx_credit_queue_type	(Optional) System default tx credit queue type
system	System-related show commands
default	Show system default values
switchport	Show default values for switchport attributes

Command Mode

- /exec

show system error-id

show system error-id { list | <i0> } [__readonly__ <errorid> <facility> <desc>]

Syntax Description

show	Show running system information
system	System-related show commands
error-id	Show description about errors
list	Show description about all error IDs
i0	Show description about specific error
__readonly__	(Optional)
errorid	(Optional)
facility	(Optional)
desc	(Optional)

Command Mode

- /exec

show system exception-info

show system exception-info [__readonly__ { TABLE_exception { <second> <panic_data> <register_data> <stack_pointer> <stack_depth> <stack_timestamp> <stacl_magic> <hdr_length> <stack_data> <pre_usec> <pre_sec> <int_t> <reason> <service> <version> } }]

Syntax Description

show	Show running system information
system	System-related show commands
exception-info	Show last exception log information
__readonly__	(Optional)
TABLE_exception	(Optional)
second	(Optional) Time of exception
panic_data	(Optional) Panic information dump
register_data	(Optional) CPU register dump
stack_pointer	(Optional) Current Stack-pointer
stack_depth	(Optional) Current Stack-depth
stack_timestamp	(Optional) Stack dump timestamp
stacl_magic	(Optional) Stack Magic
hdr_length	(Optional) Hdr length
stack_data	(Optional) Stack Dump
pre_usec	(Optional)
pre_sec	(Optional)
int_t	(Optional)
reason	(Optional) Reason
service	(Optional) Service
version	(Optional) Version

Command Mode

- /exec

show system fast-reload stabilization-timer

show system fast-reload stabilization-timer [__readonly__ { <timer_val> }]

Syntax Description

show	Show running system information
system	System management commands
fast-reload	fast-reload software
stabilization-timer	Network stabilization time in seconds before fast-reload can be executed after the previous reload
__readonly__	(Optional) Read Only
timer_val	(Optional) XML attribute for timer value

Command Mode

- /exec

show system image-verification

show system image-verification [__readonly__ { [TABLE_system_image_verification <Str1>] }]

Syntax Description

show	Show running system information
system	Show system information
image-verification	image signature verification status
__readonly__	(Optional)
TABLE_system_image_verification	(Optional) table for image verification
Str1	(Optional) status of image verification

Command Mode

- /exec

show system inband queuing statistics

show system inband queuing statistics [__readonly__ { TABLE_sys_inband_queue_stats <inbandpktunmap> <inbandpktbpduqueue> <inbandpktmapq0> <inbandpktmapq1> <klmpktmapbpdu> <klmpktmaparp> <klmpktmapq0> <klmpktmapq1> <klmpktmapveobc> <queuename> [TABLE_bpdu_stats { <pmrecvpkts> <pmdroppkts> <pmcongested> <rcvbuf> <sndbuf> <pmnodrop> }] [TABLE_q_stats { <indexstat> <ipmrecvpkts> <ipmdroppkts> <ipmcongested> <ircvbuf> <isndbuf> <ipmnodrop> }] }]

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
statistics	Inband statistics
__readonly__	(Optional)
TABLE_sys_inband_queue_stats	(Optional) System Inband Statistics
inbandpktunmap	(Optional) Inband packets unmapped
inbandpktbpduqueue	(Optional) Inband packets mapped to bpdu
inbandpktmapq0	(Optional) Inband packets mapped to q0
inbandpktmapq1	(Optional) Inband packets mapped to q1
klmpktmapbpdu	(Optional) In KLM packets mapped to bpdu
klmpktmaparp	(Optional) In KLM packets mapped to arp
klmpktmapq0	(Optional) In KLM packets mapped to q0
klmpktmapq1	(Optional) In KLM packets mapped to q1
klmpktmapveobc	(Optional) In KLM packets mapped to veobc
queuename	(Optional) Inband queue name
TABLE_bpdu_stats	(Optional) BPDU Statistics
pmrecvpkts	(Optional) BPDU Receive Packets
pmdroppkts	(Optional) BPDU Drop Packets
pmcongested	(Optional) BPDU Congested
rcvbuf	(Optional) BPDU Receive Buffer
sndbuf	(Optional) BPDU Send Buffer

pmnodrop	(Optional) BPDU No drop
TABLE_q_stats	(Optional) Queue Statistics
indexstat	(Optional) Queue Index
ipmrecvpkts	(Optional) Queue receive packets
ipmdroppkts	(Optional) Queue drop packets
ipmcongested	(Optional) Queue Congested
ircvbuf	(Optional) Queue receive buffer
isndbuf	(Optional) Queue send buffer
ipmnodrop	(Optional) Queue no drop

Command Mode

- /exec

show system inband queuing status

show system inband queuing status [__readonly__ [{ TABLE_sys_inband_queue_status <pminbandalgo> <pminbandweigh0> <pminbandweigh1> <pminbandweigh2> }]]

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
status	Selective Packet Discard Information
__readonly__	(Optional)
TABLE_sys_inband_queue_status	(Optional) System Inband Status
pminbandalgo	(Optional) Queuing Algorithm
pminbandweigh0	(Optional) BPDU Weight
pminbandweigh1	(Optional) Q0 Weight
pminbandweigh2	(Optional) Q1 Weight

Command Mode

- /exec

show system login

show system login [__readonly__ [[<acc_list>] [<attempts>]] [<within> <block_for> <time>] [<fail_count>] [<switch_mode>]]

Syntax Description

show	Show running system information
system	System-related show commands
login	Display Secure Login Configurations and State
__readonly__	(Optional)
acc_list	(Optional) Appiled ACL's
attempts	(Optional) Number of login failures
within	(Optional) Number of login failures within time
block_for	(Optional) Login disabled for time
time	(Optional) Time remaining to re-enble login
fail_count	(Optional) Login failure count
switch_mode	(Optional) Mode of operation

Command Mode

- /exec

show system login failures

show system login failures [__readonly__ [{ TABLE_loginStats <username> <port> <remote_addr> <app_name> <time> }]]

Syntax Description

show	Show running system information
system	System-related show commands
login	Secure Login
failures	Display Login failures in the current watch period
__readonly__	(Optional)
TABLE_loginStats	(Optional)
username	(Optional) User name
port	(Optional) Login port number
remote_addr	(Optional) Remote address
app_name	(Optional) Application name
time	(Optional) Login time

Command Mode

- /exec

show system memory-thresholds

show system memory-thresholds [__readonly__ <critical_mem_threshold> <severe_mem_threshold> <minor_mem_threshold>]

Syntax Description

show	Show running system information
__readonly__	(Optional)
critical_mem_threshold	(Optional) Critical System Memory Threshold
severe_mem_threshold	(Optional) Severe System Memory Threshold
minor_mem_threshold	(Optional) Minor System Memory Threshold
system	System management commands
memory-thresholds	Set memory thresholds on the card

Command Mode

- /exec

show system mode

show system mode [__readonly__ <system_mode> [<timer_state>]]

Syntax Description

show	Show running system information
system	System configuration commands
mode	Show system mode
__readonly__	(Optional)
system_mode	(Optional) system mode
timer_state	(Optional) timer state

Command Mode

- /exec

show system poap

show system poap [__readonly__ { [TABLE_show_system_poap <Str1>] }]

Syntax Description

show	Show running system information
system	Show system information
poap	Show information related to POAP
__readonly__	(Optional)
TABLE_show_system_poap	(Optional) table for poap
Str1	(Optional) status of poap

Command Mode

- /exec

show system pss shrink status

show system pss shrink status [details] [__readonly__ { [<summary>] [TABLE_per_vdc <vdc_id> [TABLE_detail_events <service> <vdc> <event>]] [TABLE_events <service> <vdc> <event>] }]

Syntax Description

show	Show running system information
system	System-related show commands
pss	Displays last pss shrink status
shrink	Displays last pss shrink status
status	Displays last pss shrink status
details	(Optional) Displays last pss shrink status details
__readonly__	(Optional)
summary	(Optional) PSS shrink summary
TABLE_per_vdc	(Optional)
vdc_id	(Optional) VDC id
TABLE_detail_events	(Optional) PSS shrink events
service	(Optional) Service name
vdc	(Optional) VDC number
event	(Optional) PSS evnets
TABLE_events	(Optional) PSS shrink events
service	(Optional) Service name
vdc	(Optional) VDC number
event	(Optional) PSS evnets

Command Mode

- /exec

show system redundancy ha status

show system redundancy ha status [__readonly__ { [TABLE_ha_status <vdc_id> <this_sup_internal_state> <other_sup_internal_state>] }]

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
ha	vdc redundancy status
status	all vdc redundancy status
__readonly__	(Optional)
TABLE_ha_status	(Optional) HA status for all vdcs
vdc_id	(Optional) vdc id
this_sup_internal_state	(Optional) This Supervisor State
other_sup_internal_state	(Optional) Remote Supervisor State

Command Mode

- /exec

show system redundancy status

show system redundancy status [__readonly__ { <rdn_mode_admin> <rdn_mode_oper> <this_sup> <this_sup_rdn_state> <this_sup_sup_state> <this_sup_internal_state> [<other_sup>] [<other_sup_rdn_state>] [<other_sup_sup_state>] [<other_sup_internal_state>] }]

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
status	Current redundancy status
__readonly__	(Optional) readonly
rdn_mode_admin	(Optional) Redundancy Mode Admin
rdn_mode_oper	(Optional) Redundancy Mode Operational
this_sup	(Optional) This Supervisor
this_sup_rdn_state	(Optional) Redundancy State
this_sup_sup_state	(Optional) Supervisor State
this_sup_internal_state	(Optional) Supervisor State
other_sup	(Optional) Other Supervisor
other_sup_sup_state	(Optional) Supervisor State
other_sup_rdn_state	(Optional) Redundancy tate
other_sup_internal_state	(Optional) Supervisor State

Command Mode

- /exec

show system reset-reason

show system reset-reason <s0> <santa-cruz-range> [__readonly__ { TABLE_xbarreason <slot> { TABLE_rr <time> <reason> <service> <version> } }]

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
s0	Show xbar module reset reason
santa-cruz-range	please enter the xbar module number
__readonly__	(Optional)
TABLE_xbarreason	(Optional) Reset reason info
slot	(Optional) slot
TABLE_rr	(Optional) reset reason
time	(Optional) time
reason	(Optional) reset reason
service	(Optional) service name
version	(Optional) version

Command Mode

- /exec

show system reset-reason

show system reset-reason [__readonly__ { TABLE_reason <slot> { TABLE_rr <time> <reason> <service> <version> } }]

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
__readonly__	(Optional)
TABLE_reason	(Optional) Reset reason info
slot	(Optional) slot
TABLE_rr	(Optional) reset reason
time	(Optional) time
reason	(Optional) reset reason
service	(Optional) service name
version	(Optional) version

Command Mode

- /exec

show system reset-reason module

show system reset-reason module <module> [__readonly__ { TABLE_reason <slot> { TABLE_rr <time> <reason> <service> <version> } }]

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
module	Show per module reset-reason code
module	please enter module number
__readonly__	(Optional)
TABLE_reason	(Optional) Reset reason info
slot	(Optional) slot
TABLE_rr	(Optional) reset reason
time	(Optional) time
reason	(Optional) reset reason
service	(Optional) service name
version	(Optional) version

Command Mode

- /exec

show system resources

show system resources [__readonly__ { [<load_avg_1min>] [<load_avg_5min>] [<load_avg_15min>] [<processes_total>] [<processes_running>] [<cpu_state_user>] [<cpu_state_kernel>] [<cpu_state_idle>] [TABLE_cpu_usage <cpuid> <user> <kernel> <idle>] [<memory_usage_total>] [<memory_usage_used>] [<memory_usage_free>] [<current_memory_status>] }]

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
__readonly__	(Optional)
TABLE_cpu_usage	(Optional) All Cpu Usage Information
load_avg_1min	(Optional) Load Average 1 Min
load_avg_5min	(Optional) Load Average 5 Min
load_avg_15min	(Optional) Load Average 15 Min
processes_total	(Optional) Total processes
processes_running	(Optional) Running Processes
cpu_state_user	(Optional) CPU State User
cpu_state_kernel	(Optional) CPU State Kernel
cpu_state_idle	(Optional) CPU State Idle
cpuid	(Optional) CPU id
user	(Optional) user time
kernel	(Optional) kernel time
idle	(Optional) idle time
memory_usage_total	(Optional) Memory Usage Total
memory_usage_used	(Optional) Memory Usage Used
memory_usage_free	(Optional) Memory Usage Free
current_memory_status	(Optional) Current Memory Status

Command Mode

- /exec

show system resources all-modules

show system resources all-modules [__readonly__ { [<load_avg_1min>] [<load_avg_5min>] [<load_avg_15min>] [<processes_total>] [<processes_running>] [<cpu_state_user>] [<cpu_state_kernel>] [<cpu_state_idle>] [TABLE_cpu_usage <cpuid> <user> <kernel> <idle>] [<memory_usage_total>] [<memory_usage_used>] [<memory_usage_free>] [<current_memory_status>] }]

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
all-modules	Show system resources for all available modules
__readonly__	(Optional)
TABLE_cpu_usage	(Optional) All Cpu Usage Information
load_avg_1min	(Optional) Load Average 1 Min
load_avg_5min	(Optional) Load Average 5 Min
load_avg_15min	(Optional) Load Average 15 Min
processes_total	(Optional) Total processes
processes_running	(Optional) Running Processes
cpu_state_user	(Optional) CPU State User
cpu_state_kernel	(Optional) CPU State Kernel
cpu_state_idle	(Optional) CPU State Idle
cpuid	(Optional) CPU id
user	(Optional) user time
kernel	(Optional) kernel time
idle	(Optional) idle time
memory_usage_total	(Optional) Memory Usage Total
memory_usage_used	(Optional) Memory Usage Used
memory_usage_free	(Optional) Memory Usage Free
current_memory_status	(Optional) Current Memory Status

Command Mode

- /exec

show system routing mode

show system routing mode [__readonly__ TABLE_system_routing_mode { [<configured-sys-routing-mode>] [<applied-sys-routing-mode>] [<svi-hardware-flood-mode>] [<routing-perf-mode>] [<mrouting-perf-mode>] }]

Syntax Description

show	Show running system information
system	Show system information
routing	Show routing related information
mode	Show mode related information
__readonly__	(Optional)
TABLE_system_routing_mode	(Optional) the xml system_routing_mode configuration
configured-sys-routing-mode	(Optional) Configured system routing mode description
applied-sys-routing-mode	(Optional) Applied system routing mode description
svi-hardware-flood-mode	(Optional) Configured SVI hardware flood mode description
routing-perf-mode	(Optional) Applied System Routing Performance Mode description
mrouting-perf-mode	(Optional) Applied System Mrouting Performance Mode

Command Mode

- /exec

show system security

show system security [common-criteria] [__readonly__ { [<common_criteria_o_status>] }]

Syntax Description

show	Show running system information
system	System Management commands
security	Security Management commands
common-criteria	(Optional) Show if common-criteria mode is enabled or disabled
__readonly__	(Optional)
common_criteria_o_status	(Optional) operational status of common-criteria

Command Mode

- /exec

show system standby manual-boot

show system standby manual-boot [__readonly__ { <content> }]

Syntax Description

show	Show running system information
system	System-related show commands
standby	Displays system standby manual boot option
manual-boot	Displays system standby manual boot option
__readonly__	(Optional)
content	(Optional) Displays system standby manual boot option

Command Mode

- /exec

show system switch-mode

show system switch-mode [__readonly__ <op_mode>]

Syntax Description

show	Show running system information
system	System-related show commands
switch-mode	Show current operational mode of the switch
__readonly__	(Optional)
op_mode	(Optional) Operational Mode

Command Mode

- /exec

show system uptime

show system uptime [__readonly__ { <sys_st_time> <sys_up_days> <sys_up_hrs> <sys_up_mins> <sys_up_secs> <kn_up_days> <kn_up_hrs> <kn_up_mins> <kn_up_secs> [<as_up_days>] [<as_up_hrs>] [<as_up_mins>] [<as_up_secs>] }]

Syntax Description

show	Show running system information
system	System-related show commands
uptime	Show how long the system has been up and running
__readonly__	(Optional) readonly
sys_st_time	(Optional) System Start Time
sys_up_days	(Optional) System Uptime Days
sys_up_hrs	(Optional) System Uptime Hours
sys_up_mins	(Optional) System Uptime Minutes
sys_up_secs	(Optional) System Uptime Seconds
kn_up_days	(Optional) Kernel Uptime Days
kn_up_hrs	(Optional) Kernel Uptime Hours
kn_up_mins	(Optional) Kernel Uptime Minutes
kn_up_secs	(Optional) Kernel Uptime Seconds
as_up_days	(Optional) Active Sup Uptime Days
as_up_hrs	(Optional) Active Sup Uptime Hours
as_up_mins	(Optional) Active Sup Uptime Minutes
as_up_secs	(Optional) Active Sup Uptime Seconds

Command Mode

- /exec

show system verify bios flash

show system verify bios { flash <i0> [module <module>] | protection <i1> [module <module1>] } [__readonly__ { <return> <verify_result> <protection_status> }]

Syntax Description

show	Show running system information
system	System-related show commands
verify	Verify commands
bios	Verify bios
flash	verify bios flash or protection status
i0	Select primary or alternate flash
module	(Optional) Module number
module	(Optional) Enter module number
protection	verify bios flash or protection status
i1	Select primary or alternate flash
module	(Optional) Module number
module1	(Optional) Enter module number
__readonly__	(Optional)
return	(Optional)
verify_result	(Optional)
protection_status	(Optional)

Command Mode

- /exec

show system vlan reserved

show system vlan reserved [__readonly__ { TABLE_vlan <current_reserved_vlan_start> <current_reserved_vlan_end> [<future_reserved_vlan_start>] [<future_reserved_vlan_end>] }]

Syntax Description

show	Show running system information
system	system wide configuration
vlan	VLAN status
reserved	Show system VLAN allocation
__readonly__	(Optional) Read Only
TABLE_vlan	(Optional)
current_reserved_vlan_start	(Optional) System current running reserved vlan start
current_reserved_vlan_end	(Optional) System current running reserved vlan end
future_reserved_vlan_start	(Optional) System future running reserved vlan start
future_reserved_vlan_end	(Optional) System future running reserved vlan end

Command Mode

- /exec