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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 sflow

show sflow [__readonly__ <sampling-rate> <max-sampled-size> <counter-poll-interval> <max-datagram-size> <collector-ip> <collector-vrf> <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-ip	(Optional) Collector IP
collector-vrf	(Optional) Collector VRF
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> <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
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	(Optional) brief
__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_subrow <subrowkey> <subrowval> [<substate1> <substate2>]] [TABLE_value <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_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_value	(Optional)
tag	(Optional) element tag
val1	(Optional) element value for tag in snapshot1
val2	(Optional) element 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-dhcp-relay drop statistics

show snmp-dhcp-relay drop statistics [interface <intf> | ifindex <intf-in>] [__readonly__ { TABLE-cdrDropStatsTable <intf-out> <relay_disable> <invalid_msg_type> <intf_err> <tx_sock_err> <tx_fail_client_intf> <unknown_op_intf> <l3_unknown_op_intf> <max_hops> <opt82_fail> <malformed> <untrusted_relay_intf> <mct_drop> }]

Syntax Description

show	Show running system information
snmp-dhcp-relay	DHCP Relay
drop	Statistics related to DHCP drop statistics
statistics	Statistics related to DHCP
interface	(Optional) input interface
intf	(Optional) interface
ifindex	(Optional) interface index value
__readonly__	(Optional) Read only
TABLE-cdrDropStatsTable	(Optional)
intf-in	(Optional) Interface Index
intf-out	(Optional) Table index
relay_disable	(Optional) relay was disabled
invalid_msg_type	(Optional) invalid message type
intf_err	(Optional) interface error
tx_sock_err	(Optional) failed to send at server
tx_fail_client_intf	(Optional) failed to send to client
unknown_op_intf	(Optional) unknown output interface
l3_unknown_op_intf	(Optional) unknown vrf or interface
max_hops	(Optional) max hops exceeded
opt82_fail	(Optional) Option82 validation failed
malformed	(Optional) malformed pkts
untrusted_relay_intf	(Optional) untrusted inteface
mct_drop	(Optional) dropped on MCT

Command Mode

- /exec

show snmp-dhcp-relay statistics pkt

show snmp-dhcp-relay statistics { [interface <intf> | ifindex <intf-in>] pkt-type <type-in> } [__readonly__ { TABLE-cdrStatsTable <intf-out> <type-out> <rx_pkts> <tx_pkts> <drops> }]

Syntax Description

show	Show running system information
snmp-dhcp-relay	DHCP Relay
statistics	Statistics related to DHCP
interface	(Optional) input interface
intf	(Optional) interface
ifindex	(Optional) Interface Index Value
pkt-type	DHCP Packet type
__readonly__	(Optional) Read only
TABLE-cdrStatsTable	(Optional)
intf-in	(Optional) table index - ifindex
intf-out	(Optional) table index
type-in	table index - packet type
type-out	(Optional) table index
rx_pkts	(Optional) received pkt count
tx_pkts	(Optional) transmitted pkt count
drops	(Optional) dropped pkt count

Command Mode

- /exec

show snmp-ipv6-dhcp-relay drop statistics

show snmp-ipv6-dhcp-relay drop statistics [interface <intf> | ifindex <intf-in>] [__readonly__ { TABLE-cdrIpv6DropStatsTable <intf-out> <relay_disabled> <max_hops> <invalid_pkt> <unknown_op_intf> <invalid_vrf> <opt_insert_failed> <dir_reply_frm_server> <ipv6_not_configured> <intf_err> <vpn_option_disabled> <ipv6_ext_hdr_present> <mct_drop> }]

Syntax Description

show	Show running system information
snmp-ipv6-dhcp-relay	IPv6 DHCP Relay
drop	Statistics related to IPv6 DHCP drop statistics
statistics	Statistics related to IPv6 DHCP
interface	(Optional) input interface
intf	(Optional) interface
ifindex	(Optional) interface index value
__readonly__	(Optional) Read only
TABLE-cdrIpv6DropStatsTable	(Optional)
intf-in	(Optional) Interface Index
intf-out	(Optional) Table index
relay_disabled	(Optional) DHCPv6 Relay is disabled
max_hops	(Optional) Max hops exceeded
invalid_pkt	(Optional) Packet validation failed
unknown_op_intf	(Optional) Unknown output interface
invalid_vrf	(Optional) Invalid VRF
opt_insert_failed	(Optional) Option Insertion Failed
dir_reply_frm_server	(Optional) Direct Replies (Recnfg/Adv/Reply) from server
ipv6_not_configured	(Optional) IPv6 addr not configured
intf_err	(Optional) Interface error
vpn_option_disabled	(Optional) VPN Option Disabled
ipv6_ext_hdr_present	(Optional) IPv6 extn headers present
mct_drop	(Optional) DHCP request dropped on MCT

Command Mode

- /exec

show snmp-ipv6-dhcp-relay statistics pkt

show snmp-ipv6-dhcp-relay statistics { [interface <intf> | ifindex <intf-in>] pkt-type <type-in> } [__readonly__ { TABLE-cdrIpv6StatsTable <intf-out> <type-out> <rx_pkts> <tx_pkts> <drops> }]

Syntax Description

show	Show running system information
snmp-ipv6-dhcp-relay	IPv6 DHCP Relay
statistics	Statistics related to IPv6 DHCP
interface	(Optional) input interface
intf	(Optional) interface
ifindex	(Optional) Interface Index Value
pkt-type	DHCP Packet type
__readonly__	(Optional) Read only
TABLE-cdrIpv6StatsTable	(Optional)
intf-in	(Optional) table index - ifindex
intf-out	(Optional) table index
type-in	table index - packet type
type-out	(Optional) table index
rx_pkts	(Optional) received pkt count
tx_pkts	(Optional) transmitted pkt count
drops	(Optional) dropped pkt count

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 mib pimCandidateRPTable

show snmp mib pimCandidateRPTable [<pimCandidateRPGroupAddress-in>] [<pimCandidateRPGroupMask-in>] [__readonly__ TABLE_pimCandidateRPTable <pimCandidateRPGroupAddress-out> <pimCandidateRPGroupMask-out> <pimCandidateRPAddress> <pimCandidateRPRowStatus>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimCandidateRPTable	show mib table pimCandidateRPTable
pimCandidateRPGroupAddress-in	(Optional) pimCandidateRPGroupAddress
pimCandidateRPGroupMask-in	(Optional) pimCandidateRPGroupMask
__readonly__	(Optional)
TABLE_pimCandidateRPTable	(Optional)
pimCandidateRPGroupAddress-out	(Optional) mib table index pimCandidateRPGroupAddress
pimCandidateRPGroupMask-out	(Optional) mib table index pimCandidateRPGroupMask
pimCandidateRPAddress	(Optional) mib object pimCandidateRPAddress
pimCandidateRPRowStatus	(Optional) mib object pimCandidateRPRowStatus

Command Mode

- /exec

show snmp mib pimComponentTable

show snmp mib pimComponentTable [<pimComponentIndex-in>] [__readonly__ TABLE_pimComponentTable <pimComponentIndex-out> <pimComponentBSRAddress> <pimComponentBSRExpiryTime> <pimComponentCRPHoldTime> <pimComponentStatus>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimComponentTable	show mib table pimComponentTable
pimComponentIndex-in	(Optional) pimComponentIndex
__readonly__	(Optional)
TABLE_pimComponentTable	(Optional)
pimComponentIndex-out	(Optional) mib table index pimComponentIndex
pimComponentBSRAddress	(Optional) mib object pimComponentBSRAddress
pimComponentBSRExpiryTime	(Optional) mib object pimComponentBSRExpiryTime
pimComponentCRPHoldTime	(Optional) mib object pimComponentCRPHoldTime
pimComponentStatus	(Optional) mib object pimComponentStatus

Command Mode

- /exec

show snmp mib pimInterfaceTable

show snmp mib pimInterfaceTable [<pimInterfaceIfIndex-in>] [__readonly__ TABLE_pimInterfaceTable <pimInterfaceIfIndex-out> <pimInterfaceAddress> <pimInterfaceNetMask> <pimInterfaceMode> <pimInterfaceDR> <pimInterfaceHelloInterval> <pimInterfaceStatus> <pimInterfaceJoinPruneInterval> <pimInterfaceCBSRPreference>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimInterfaceTable	show mib table pimInterfaceTable
pimInterfaceIfIndex-in	(Optional) pimInterfaceIndex
__readonly__	(Optional)
TABLE_pimInterfaceTable	(Optional)
pimInterfaceIfIndex-out	(Optional) mib table index pimInterfaceIfIndex
pimInterfaceAddress	(Optional) mib object pimInterfaceAddress
pimInterfaceNetMask	(Optional) mib object pimInterfaceNetMask
pimInterfaceMode	(Optional) mib object pimInterfaceMode
pimInterfaceDR	(Optional) mib object pimInterfaceDR
pimInterfaceHelloInterval	(Optional) mib object pimInterfaceHelloInterval
pimInterfaceStatus	(Optional) mib object pimInterfaceStatus
pimInterfaceJoinPruneInterval	(Optional) mib object pimInterfaceJoinPruneInterval
pimInterfaceCBSRPreference	(Optional) mib object pimInterfaceCBSRPreference

Command Mode

- /exec

show snmp mib pimIpMRouteNextHopTable

show snmp mib pimIpMRouteNextHopTable [<ipMRouteNextHopGroup-in> <ipMRouteNextHopSource-in> <ipMRouteNextHopSourceMask-in> <ipMRouteNextHopIfIndex-in> <ipMRouteNextHopAddress-in>] [__readonly__ TABLE_pimIpMRouteNextHopTable <ipMRouteNextHopGroup-out> <ipMRouteNextHopSource-out> <ipMRouteNextHopSourceMask-out> <ipMRouteNextHopIfIndex-out> <ipMRouteNextHopAddress-out> <pimIpMRouteNextHopPruneReason>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimIpMRouteNextHopTable	show mib table pimIpMRouteNextHopTable
ipMRouteNextHopGroup-in	(Optional) ipMRouteNextHopGroup
ipMRouteNextHopSource-in	(Optional) ipMRouteNextHopSource
ipMRouteNextHopSourceMask-in	(Optional) ipMRouteNextHopSourceMask
ipMRouteNextHopIfIndex-in	(Optional) ipMRouteNextHopIfIndex
ipMRouteNextHopAddress-in	(Optional) ipMRouteNextHopAddress
__readonly__	(Optional)
TABLE_pimIpMRouteNextHopTable	(Optional)
ipMRouteNextHopGroup-out	(Optional) mib table index ipMRouteNextHopGroup
ipMRouteNextHopSource-out	(Optional) mib table index pimComponentBSRAddress
ipMRouteNextHopSourceMask-out	(Optional) mib table index pimComponentBSRExpiryTime
ipMRouteNextHopIfIndex-out	(Optional) mib table index pimComponentCRPHoldTime
ipMRouteNextHopAddress-out	(Optional) mib table index pimComponentStatus
pimIpMRouteNextHopPruneReason	(Optional) mib object pimIpMRouteNextHopPruneReason

Command Mode

- /exec

show snmp mib pimIpMRouteTable

show snmp mib pimIpMRouteTable [<ipMRouteGroup-in>] [<ipMRouteSource-in>] [<ipMRouteSourceMask-in>] [__readonly__ TABLE_pimIpMRouteTable <ipMRouteGroup-out> <ipMRouteSource-out> <ipMRouteSourceMask-out> <pimIpMRouteUpstreamAssertTimer> <pimIpMRouteAssertMetric> <pimIpMRouteAssertMetricPref> <pimIpMRouteAssertRPTBit> <pimIpMRouteFlags>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimIpMRouteTable	show mib table pimIpMRouteTable
ipMRouteGroup-in	(Optional) ipMRouteGroup
ipMRouteSource-in	(Optional) ipMRouteSource
ipMRouteSourceMask-in	(Optional) ipMRouteSourceMask
__readonly__	(Optional)
TABLE_pimIpMRouteTable	(Optional)
ipMRouteGroup-out	(Optional) mib table index ipMRouteGroup-out
ipMRouteSource-out	(Optional) mib table index ipMRouteSource-out
ipMRouteSourceMask-out	(Optional) mib table index ipMRouteSourceMask-out
pimIpMRouteUpstreamAssertTimer	(Optional) mib object pimIpMRouteUpstreamAssertTimer
pimIpMRouteAssertMetric	(Optional) mib object pimIpMRouteAssertMetric
pimIpMRouteAssertMetricPref	(Optional) mib object pimIpMRouteAssertMetricPref
pimIpMRouteAssertRPTBit	(Optional) mib object pimIpMRouteAssertRPTBit
pimIpMRouteFlags	(Optional) mib object pimIpMRouteFlags

Command Mode

- /exec

show snmp mib pimJoinPruneInterval

show snmp mib pimJoinPruneInterval [__readonly__ <pimJoinPruneInterval>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimJoinPruneInterval	show mib scalar pimJoinPruneInterval
__readonly__	(Optional) Read Only
pimJoinPruneInterval	(Optional) mib object pimJoinPruneInterval

Command Mode

- /exec

show snmp mib pimNeighborTable

show snmp mib pimNeighborTable [<pimNeighborAddress-in>] [__readonly__ TABLE_pimNeighborTable <pimNeighborAddress-out> <pimNeighborIfIndex> <pimNeighborUpTime> <pimNeighborExpiryTime>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimNeighborTable	show mib table pimNeighborTable
pimNeighborAddress-in	(Optional) pimNeighborAddress
__readonly__	(Optional)
TABLE_pimNeighborTable	(Optional)
pimNeighborAddress-out	(Optional) mib table index pimNeighborAddress
pimNeighborIfIndex	(Optional) mib object pimNeighborIfIndex
pimNeighborUpTime	(Optional) mib object pimNeighborUpTime
pimNeighborExpiryTime	(Optional) mib object pimNeighborExpiryTime

Command Mode

- /exec

show snmp mib pimRPSetTable

show snmp mib pimRPSetTable [<pimRPSetComponent-in>] [<pimRPSetGroupAddress-in>] [<pimRPSetGroupMask-in>] [<pimRPSetAddress-in>] [__readonly__ TABLE_pimRPSetTable <pimRPSetGroupAddress-out> <pimRPSetGroupMask-out> <pimRPSetAddress-out> <pimRPSetHoldTime> <pimRPSetExpiryTime> <pimRPSetComponent-out>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimRPSetTable	show mib table pimRPSetTable
pimRPSetComponent-in	(Optional) pimRPSetComponent
pimRPSetGroupAddress-in	(Optional) pimRPSetGroupAddress
pimRPSetGroupMask-in	(Optional) pimRPSetGroupMask
pimRPSetAddress-in	(Optional) pimRPSetAddress
__readonly__	(Optional)
TABLE_pimRPSetTable	(Optional)
pimRPSetGroupAddress-out	(Optional) mib table index pimRPSetGroupAddress
pimRPSetGroupMask-out	(Optional) mib table index pimRPSetGroupMask
pimRPSetAddress-out	(Optional) mib table index pimRPSetAddress
pimRPSetHoldTime	(Optional) mib object pimRPSetHoldTime
pimRPSetExpiryTime	(Optional) mib object pimRPSetExpiryTime
pimRPSetComponent-out	(Optional) mib table index pimRPSetComponent

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 pss

show snmp pss

Syntax Description

show	Show running system information
snmp	show snmp information
pss	show SNMP pss

Command Mode

- /exec

show snmp roledebug

show snmp roledebug

Syntax Description

show	Show running system information
snmp	show snmp information
roledebug	show SNMP roledebug

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 snmpv3stats

show snmp snmpv3stats

Syntax Description

show	Show running system information
snmp	show snmp information
snmpv3stats	show SNMP snmpdebug

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> [{ TABLE_groups <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
TABLE_groups	(Optional) table displays the gropus for specific user
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 buffers

show sockets buffers [{ [all <count>] [free <count>] }]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
buffers	Display detailed buffer statistics
all	(Optional) Dump buffers from ALL list
free	(Optional) Dump buffers from FREE list
count	(Optional) Number of buffers to dump

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)
no-total-clients	(Optional)
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)
cancel-requests	(Optional)
cancel-unblocks	(Optional)
cancel-misses	(Optional)
select-drops	(Optional)
select-wakes	(Optional)
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)
bind-calls	(Optional)
listen-calls	(Optional)

accept-calls	(Optional)
acc-dispat-err	(Optional)
connect-calls	(Optional)
connec-dispatch	(Optional)
recvmsg-dispatch	(Optional)
recv-dis-nblock	(Optional)
recvmsg-call	(Optional)
brecv-dispatch	(Optional)
fsendmsg-calls	(Optional)
sendmsg-dispatch	(Optional)
sendmsg-calls	(Optional)
msendmsg-calls	(Optional)
select-calls	(Optional)
select-dispatch	(Optional)
select-need-work	(Optional)
sh-calls	(Optional)
close-calls	(Optional)
fcntl-calls	(Optional)
ioctl-calls	(Optional)
setsock-calls	(Optional)
getsock-calls	(Optional)
getsockname-calls	(Optional)
getpeer-calls	(Optional)
fork-calls	(Optional)
execve-calls	(Optional)
dup-calls	(Optional)
can-calls	(Optional)
can-miss	(Optional)
can-unblk-sele	(Optional)

soc-ha-calls	(Optional)
pfork-client	(Optional)
read-fd	(Optional)
write-fd	(Optional)
read-fd-set	(Optional)
write-fd-set	(Optional)
fast-tcp-send-req	(Optional)
fast-tcp-send-suc	(Optional)
fast-tcp-ack	(Optional)
TABLE_sterr	(Optional) Client Socket Error Statistics
sock-err	(Optional)
sock-nodev-err	(Optional)
bind-err	(Optional)
lis-err	(Optional)
accept-err	(Optional)
connect-err	(Optional)
recvmsg-err	(Optional)
brcvmsg-err	(Optional)
fsendmsg-err	(Optional)
sendmsg-err	(Optional)
msndmsg-err	(Optional)
select-err	(Optional)
sel-nomem-err	(Optional)
shut-err	(Optional)
close-err	(Optional)
fcntl-err	(Optional)
ioctl-err	(Optional)
setsoc-err	(Optional)
getsoc-err	(Optional)

getsocname-err	(Optional)
getpeername-err	(Optional)
fork-err	(Optional)
execve-err	(Optional)
dup-err	(Optional)
psoc-vrf-err	(Optional)
psoc-nosoc-err	(Optional)
psoc-sock-null-err	(Optional)
psoc-socre-err	(Optional)
pbind-nsock-err	(Optional)
pbd-getsocaddr	(Optional)
pbind-sobind-err	(Optional)
plisten-nsoc-err	(Optional)
plis-solis-err	(Optional)
pacc-nsoc-err	(Optional)
pacc-no-nsoc-err	(Optional)
pacc-soc-null-err	(Optional)
pacc-copy-err	(Optional)
pacc-no-acc-err	(Optional)
pacc-woublo-err	(Optional)
pacc-connabo-err	(Optional)
pacc-cond-wait-err	(Optional)
pacc-so-err-err	(Optional)
pacc-err-err	(Optional)
pcon-no-soc-err	(Optional)
pcon-ealready-err	(Optional)
pconn-getsock	(Optional)
pconn-socon-err	(Optional)
pconn-einpro-err	(Optional)

pconn-con-wait-err	(Optional)
psend-no-soc-err	(Optional)
psend-inval-iov	(Optional)
psend-getsoc-err	(Optional)
psend-msg-ctrl-err	(Optional)
psend-sockarg-err	(Optional)
psend-pru-sosend	(Optional)
precv-nosock-err	(Optional)
precv-inval-iovlen	(Optional)
precv-pru-sorecv	(Optional)
precv-cp-msg-err	(Optional)
precv-cp-msg-nlen	(Optional)
precv-cp-data-err	(Optional)
pbrecv-rcvmsg-err	(Optional)
pshut-no-soc-err	(Optional)
psetsoc-val-err	(Optional)
psetsoc-inv-val	(Optional)
psetsoc-no-soc-err	(Optional)
psetsoc-sosetopt	(Optional)
pgetsoc-no-socerr	(Optional)
pgetsoc-cp-err	(Optional)
pgetsoc-val-err	(Optional)
pgetsoc-sogt-err	(Optional)
pgtsoc-no-soc-err	(Optional)
pgtsoc-cp-err	(Optional)
pgtsoc-pru-soc-err	(Optional)
pgtsoc-cpout-err	(Optional)
pgtprne-no-soc-err	(Optional)
pgtprne-enot-err	(Optional)

pgtprne-cp-err	(Optional)
pgtprne-pru-pradd	(Optional)
pgtprne-cpout-err	(Optional)
pclose-no-soc-err	(Optional)
pclose-socnull-err	(Optional)
pclose-p-cls2-err	(Optional)
pfcntl-no-soc-err	(Optional)
pfcntl-soc-null	(Optional)
pfcntl-enotsup	(Optional)
pfcntl-einval-err	(Optional)
pioctl-no-soc-err	(Optional)
pioctl-enotsup	(Optional)
pioctl-pru-cntl	(Optional)
pfork-enomem-err	(Optional)
pdup-no-soc-err	(Optional)
pudp-soc-null-err	(Optional)
ha-nomem-err	(Optional)
ha-tlv-err	(Optional)
ha-soc-arg-err	(Optional)
ha-cli-tlv-err	(Optional)
ha-pss-upd-err	(Optional)
ha-no-soc-err	(Optional)
ha-soc-tlv-err	(Optional)
ha-soc-pss-upd	(Optional)
ha-inpcb-tlv	(Optional)
ha-inpcb-pssky	(Optional)
ha-ip-mopt-tlv	(Optional)
ha-ip-mopt-pss	(Optional)
ha-ip6-mopt-tlv	(Optional)

ha-ip6-mopt-pss	(Optional)
ha-tcpcb-tlv	(Optional)
ha-tcpcb-pss	(Optional)
ft-tcp-wblock	(Optional)
ft-send-p-sndmsg	(Optional)
ft-ack-rcv-no-soc	(Optional)
lxc-tgid-err	(Optional) Containers tgid err
TABLE_sp_cl	(Optional) Sock specific Ctrl statistics
can-requests	(Optional)
can-unblocks	(Optional)
can-misses	(Optional)
sel-drops	(Optional)
sel-wakes	(Optional)

Command Mode

- /exec

show sockets connection

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

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	(Optional) Display md5 key specific details
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_conn	(Optional)
prot	(Optional)
tcp-state	(Optional)

rcv-count	(Optional)
laddr	(Optional)
lport	(Optional)
faddr	(Optional)
fport	(Optional)
intf	(Optional)
snd-count	(Optional)
type	(Optional)
ttl	(Optional)
tos	(Optional)
options	(Optional)
state	(Optional)
iss	(Optional)
snd-una	(Optional)
snd-nxt	(Optional)
snd_wnd	(Optional)
irs	(Optional)
rcv-nxt	(Optional)
rcv-wnd	(Optional)
snd-cwnd	(Optional)
srtt	(Optional)
rtt	(Optional)
rttvar	(Optional)
krtt	(Optional)
rttmin	(Optional)
mss	(Optional)
dur	(Optional)
flags	(Optional)
md5-cnt	(Optional)

md5-host	(Optional)
md5-err	(Optional)
rcv-hiwat	(Optional)
rcv-lowat	(Optional)
rcv-flags	(Optional)
snd-hiwat	(Optional)
snd-lowat	(Optional)
snd-flags	(Optional)
tcp-count	(Optional)
udp-count	(Optional)
raw-count	(Optional)

Command Mode

- /exec

show sockets keychain-dump

show sockets keychain-dump

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
keychain-dump	Dump the pss information for keychains

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>]

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

Command Mode

- /exec

show sockets performance

show sockets performance [clear]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
performance	Display detailed perf statistics
clear	(Optional) Clear perf statistics

Command Mode

- /exec

show sockets secure-lxc

show sockets secure-lxc

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
secure-lxc	Display secure-container sockets information

Command Mode

- /exec

show sockets statistics

show sockets statistics [all | tcp | tcp6 | tcpsum | udp | udp6 | udpsum | raw | raw6 | rawsum] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_stat <version> <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-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> <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-conn-init> <tx-conn-accepted> <tx-conn-estd> <tx-rxmt-timeout> <tx-rxmt-timeout-dropped> <tx-ka-timeout> <tx-ka-probe> <tx-ka-drop> <closed> <dropped> <emb-dropped> <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-rcvd> <raw-rx-no-port> <raw-rx-full-socket-drop> <raw-tx-sent>]

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_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_stat	(Optional)

rx-total	(Optional)
rx-bad-csum	(Optional)
rx-bad-offset	(Optional)
rx-too-short	(Optional)
rx-bad-md5	(Optional)
rx-inseq-pack	(Optional)
rx-inseq-bytes	(Optional)
rx-dup-pack	(Optional)
rx-dup-bytes	(Optional)
rx-partdup-pack	(Optional)
rx-partdup-bytes	(Optional)
rx-oo-pack	(Optional)
rx-oo-bytes	(Optional)
rx-afterwin-pack	(Optional)
rx-afterwin-bytes	(Optional)
rx-afterclose-pack	(Optional)
rx-winprobe-pack	(Optional)
rx-winupdate-pack	(Optional)
rx-dupack-pack	(Optional)
rx-dupack-unsent-pack	(Optional)
rx-ack-pack	(Optional)
rx-ack-bytes	(Optional)
tx-total	(Optional)
tx-urg	(Optional)
tx-ctrl	(Optional)
tx-data-pack	(Optional)
tx-data-bytes	(Optional)
tx-reasm-pack	(Optional)
tx-reasm-bytes	(Optional)

tx-ackonly-pack	(Optional)
tx-winprobe-pack	(Optional)
tx-winupdate-bytes	(Optional)
tx-conn-init	(Optional)
tx-conn-accepted	(Optional)
tx-conn-estd	(Optional)
tx-rxmt-timeout	(Optional)
tx-rxmt-timeout-dropped	(Optional)
tx-ka-timeout	(Optional)
tx-ka-probe	(Optional)
tx-ka-drop	(Optional)
closed	(Optional)
dropped	(Optional)
emb-dropped	(Optional)
udp-rx-total	(Optional)
udp-rx-bad-csum	(Optional)
udp-rx-no-csum	(Optional)
udp-rx-too-short	(Optional)
udp-rx-bad-len	(Optional)
udp-rx-no-port	(Optional)
udp-rx-no-port-bcast	(Optional)
udp-rx-no-port-mcast	(Optional)
udp-rx-full-socket-drop	(Optional)
udp-tx-total	(Optional)
raw-rx-rcvd	(Optional)
raw-rx-no-port	(Optional)
raw-rx-full-socket-drop	(Optional)
raw-tx-sent	(Optional)
version	(Optional)

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> <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> <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
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
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> { 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
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 sprom

show sprom { backplane <i0> | module <module> <i1> | xbar <santa-cruz-range> <i2> | powersupply <i3> | fan <i4> | sup | stby-sup | all | all2 | backplane2 | module2 <module2> | powersupply2 <i5> | sup2 } [__readonly__ [cmn_block { <blk_sig_cb> <blk_ver_cb> <blk_length_cb> <blk_checksum_cb> <eeprom_size> <blk_count> <fru_major_type> <fru_minor_type> <oem_string> <prd_num> <serial_num> <part_num> <part_rev> <mfg_dev> <hw_rev> <mfg_bits> <eng_use> <snmp_oid> <power_consump> <rma_code> <clei_code> <vid> }] [sup_specific_block { <blk_sig_ssb> <blk_ver_ssb> <blk_length_ssb> <blk_checksum_ssb> <feature_bits> <hw_changes_bits> <card_index> <mac_addresses> <no_of_macs> <no_of_epld> [TABLE_epld_ssb <epld_name_ssb> <epld_ver_ssb>] <port_type_num> { TABLE_sensor_ssb <sensor_num_ssb> <maj_thres_ssb> <min_thres_ssb> } <max_connector_power> <cooling_reqt> <amb_temp> }] [lc_specific_block { <blk_sig_lc> <blk_ver_lc> <blk_length_lc> <blk_checksum_lc> <feature_bits> <hw_changes_bits> <card_index> <mac_addresses> <no_of_macs> <no_of_epld> [TABLE_epld_lc <epld_name_lc> <epld_ver_lc>] <port_type_num> { TABLE_sensor_lc <sensor_num_lc> <maj_thres_lc> <min_thres_lc> } <max_connector_power> <cooling_reqt> <amb_temp> }] [ps_specific_block { <blk_sig_psb> <blk_ver_psb> <blk_length_psb> <blk_checksum_psb> <feature_bits> <current_110v> <current_220v> <stackmib_oid> }] [fan_specific_block { <blk_sig_fsb> <blk_ver_fsb> <blk_length_fsb> <blk_checksum_fsb> <feature_bits> <hw_change_bits> <stackmib_oid> <cooling_capacity> <amb_temp> }] [ch_specific_block { <blk_sig_csb> <blk_ver_csb> <blk_length_csb> <blk_checksum_csb> <feature_bits> <hw_changes_bits> <stackmib_oid> <mac_addresses> <no_of_macs> <oem_enterprise> <oem_mib_offset> <max_connector_power> }] [temp_sensor_block { <blk_sig_tsb> <blk_ver_tsb> <blk_length_tsb> <blk_checksum_tsb> <no_of_sensors> { TABLE_sensor_tsb <sensor_num_tsb> <maj_thres_tsb> <min_thres_tsb> } }] [wwn_specific_block { <blk_sig_wwnb> <blk_ver_wwnb> <blk_length_wwnb> <blk_checksum_wwnb> { TABLE_wwn_usage_wsb <wwn_usage_bits> } }] [lic_specific_block { <blk_sig_licb> <blk_ver_licb> <blk_length_licb> <blk_checksum_licb> { TABLE_lic_usage_lsb <lic_usage_bits> } }] [second_serial_block { <blk_sig_sn2b> <blk_ver_sn2b> <blk_length_sn2b> <blk_checksum_sn2b> <serial_num_sn2b> }] [psu_common_block { <format_version> <internal_info_offset> <chassis_info_offset> <board_info_offset> <product_info_offset> <multirecord_info_offset> <checksum> }] [psu_board_info_block { <format_version> <length> <language_code> <mfg_date> <mfg_type> <mfg_info> <name_type> <product_name> <snum_type> <snum> <part_type> <partnum> <fruid_type> <fruid> <bom_hw_pid_info> <partnum_rev> <fab_revision> <vid> <clei_len> <clei> <eof_marker> <csum> }] [psu_product_info_block { <format_version> <length> <language_code> <mfg_type> <mfg_info> <name_type> <product_name> <part_type> <partnum> <product_ver_type> <sw_certification> <snum_type> <snum> <asset_type> <asset_string> <fruid_type> <fruid> <partnumrev> <vid> <eof_marker> <csum> }] [psu_record_info_block { <record_type> <record_info> <record_len> <record_csum> <header_csum> <record_identifier> <format_ver> <standby_pwr_budget> <psu_class> <psu_watts> }]]

Syntax Description

show	Show running system information
sprom	show SPROM contents
backplane	show backplane clock module sprom contents
i0	please enter instance of backplane sprom
module	show linecard module sprom contents
module	please enter module number
i1	please enter instance of module sprom

xbar	show xbar fabric sprom contents
santa-cruz-range	please enter the xbar number
i2	please enter sprom instance number
powersupply	show powersupply sprom contents
i3	please enter powersupply number
fan	show fan module sprom contents
i4	please enter fan number
sup	show supervisor sprom contents
stby-sup	show standby supervisor sprom contents
all	show all sproms contents
all2	All sprom contents
backplane2	Backplane sprom contents
module2	Linecard sprom contents
module2	Linecard module number
powersupply2	Powersupply sprom contents
i5	Powersupply module number
sup2	Supervisor sprom contents
__readonly__	(Optional)
cmn_block	(Optional)
blk_sig_cb	(Optional)
blk_ver_cb	(Optional)
blk_length_cb	(Optional)
blk_checksum_cb	(Optional)
eeprom_size	(Optional)
blk_count	(Optional)
fru_major_type	(Optional)
fru_minor_type	(Optional)
oem_string	(Optional)
prd_num	(Optional)

serial_num	(Optional)
part_num	(Optional)
part_rev	(Optional)
mfg_dev	(Optional)
hw_rev	(Optional)
mfg_bits	(Optional)
eng_use	(Optional)
snmp_oid	(Optional)
power_consump	(Optional)
rma_code	(Optional)
clei_code	(Optional)
vid	(Optional)
ch_specific_block	(Optional)
blk_sig_csb	(Optional)
blk_ver_csb	(Optional)
blk_length_csb	(Optional)
blk_checksum_csb	(Optional)
feature_bits	(Optional)
hw_changes_bits	(Optional)
stackmib_oid	(Optional)
mac_addresses	(Optional)
no_of_macs	(Optional)
oem_enterprise	(Optional)
oem_mib_offset	(Optional)
max_connector_power	(Optional)
sup_specific_block	(Optional)
blk_sig_ssb	(Optional)
blk_ver_ssb	(Optional)
blk_length_ssb	(Optional)

blk_checksum_ssb	(Optional)
feature_bits	(Optional)
hw_changes_bits	(Optional)
card_index	(Optional)
mac_addresses	(Optional)
no_of_macs	(Optional)
no_of_epld	(Optional)
TABLE_epld_ssb	(Optional)
epld_name_ssb	(Optional)
epld_ver_ssb	(Optional)
port_type_num	(Optional)
TABLE_sensor_ssb	(Optional)
sensor_num_ssb	(Optional)
maj_thres_ssb	(Optional)
min_thres_ssb	(Optional)
max_connector_power	(Optional)
cooling_reqt	(Optional)
amb_temp	(Optional)
lc_specific_block	(Optional)
blk_sig_lc	(Optional)
blk_ver_lc	(Optional)
blk_length_lc	(Optional)
blk_checksum_lc	(Optional)
feature_bits	(Optional)
hw_changes_bits	(Optional)
card_index	(Optional)
mac_addresses	(Optional)
no_of_macs	(Optional)
no_of_epld	(Optional)

TABLE_epld_lc	(Optional)
epld_name_lc	(Optional)
epld_ver_lc	(Optional)
port_type_num	(Optional)
TABLE_sensor_lc	(Optional)
sensor_num_lc	(Optional)
maj_thres_lc	(Optional)
min_thres_lc	(Optional)
max_connector_power	(Optional)
cooling_reqt	(Optional)
amb_temp	(Optional)
ps_specific_block	(Optional)
blk_sig_psb	(Optional)
blk_ver_psb	(Optional)
blk_length_psb	(Optional)
blk_checksum_psb	(Optional)
feature_bits	(Optional)
current_110v	(Optional)
current_220v	(Optional)
stackmib_oid	(Optional)
fan_specific_block	(Optional)
blk_sig_fsb	(Optional)
blk_ver_fsb	(Optional)
blk_length_fsb	(Optional)
blk_checksum_fsb	(Optional)
feature_bits	(Optional)
hw_change_bits	(Optional)
stackmib_oid	(Optional)
cooling_capacity	(Optional)

amb_temp	(Optional)
temp_sensor_block	(Optional)
blk_sig_tsb	(Optional)
blk_ver_tsb	(Optional)
blk_length_tsb	(Optional)
blk_checksum_tsb	(Optional)
no_of_sensors	(Optional)
TABLE_sensor_tsb	(Optional)
sensor_num_tsb	(Optional)
maj_thres_tsb	(Optional)
min_thres_tsb	(Optional)
wwn_specific_block	(Optional)
blk_sig_wwnb	(Optional)
blk_ver_wwnb	(Optional)
blk_length_wwnb	(Optional)
blk_checksum_wwnb	(Optional)
TABLE_wwn_usage_wsb	(Optional)
wwn_usage_bits	(Optional)
lic_specific_block	(Optional)
blk_sig_licb	(Optional)
blk_ver_licb	(Optional)
blk_length_licb	(Optional)
blk_checksum_licb	(Optional)
TABLE_lic_usage_lsb	(Optional)
lic_usage_bits	(Optional)
second_serial_block	(Optional)
blk_sig_sn2b	(Optional)
blk_ver_sn2b	(Optional)
blk_length_sn2b	(Optional)

blk_checksum_sn2b	(Optional)
serial_num_sn2b	(Optional)
psu_common_block	(Optional)
format_version	(Optional)
internal_info_offset	(Optional)
chassis_info_offset	(Optional)
board_info_offset	(Optional)
product_info_offset	(Optional)
multirecord_info_offset	(Optional)
checksum	(Optional)
psu_board_info_block	(Optional)
format_version	(Optional)
length	(Optional)
language_code	(Optional)
mfg_date	(Optional)
mfg_type	(Optional)
mfg_info	(Optional)
name_type	(Optional)
product_name	(Optional)
snum_type	(Optional)
snum	(Optional)
part_type	(Optional)
partnum	(Optional)
fruid_type	(Optional)
fruid	(Optional)
bom_hw_pid_info	(Optional)
partnum_rev	(Optional)
fab_revision	(Optional)
vid	(Optional)

clei_len	(Optional)
clei	(Optional)
eof_marker	(Optional)
csum	(Optional)
psu_product_info_block	(Optional)
format_version	(Optional)
length	(Optional)
language_code	(Optional)
mfg_type	(Optional)
mfg_info	(Optional)
name_type	(Optional)
product_name	(Optional)
part_type	(Optional)
partnum	(Optional)
product_ver_type	(Optional)
sw_certification	(Optional)
snum_type	(Optional)
snum	(Optional)
asset_type	(Optional)
asset_string	(Optional)
fruid_type	(Optional)
fruid	(Optional)
partnumrev	(Optional)
vid	(Optional)
eof_marker	(Optional)
csum	(Optional)
psu_record_info_block	(Optional)
record_type	(Optional)
record_info	(Optional)

record_len	(Optional)
record_csum	(Optional)
header_csum	(Optional)
record_identifier	(Optional)
format_ver	(Optional)
standby_pwr_budget	(Optional)
psu_class	(Optional)
psu_watts	(Optional)

Command Mode

- /exec

show ssh key

show ssh key [{ dsa [md5] | rsa [md5] | [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
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 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 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 amt

show startup-config amt [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
amt	Display amt 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 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 startup-cfg
startup-config	show startup system information
catena	catena instances

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 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 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>] [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 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 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 ldp

show startup-config mpls ldp [all]

Syntax Description

show	Show running system information
startup-config	Current operating configuration
mpls	Display MPLS status and configuration
ldp	Label Distribution Protocol
all	(Optional) Display running-config with defaults

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	Configure MPLS settings
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	show running config for 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 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

startup-config	Current startup configuration
ptp	show startup config for ptp
all	(Optional) show running config 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 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 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 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

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

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 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 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 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 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> <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)
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>]

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

Command Mode

- /exec

show switching-mode fabric-speed

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

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
fabric-speed	Show the fabric speed

Command Mode

- /exec

show system auto-collect tech-support

show system auto-collect tech-support

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

Command Mode

- /exec

show system clis event-history

show system [internal] clis event-history { nvdb | client | errors | parser | ha | cli | objstr | objstr-errors }

Syntax Description

show	Display output
system	System-related show commands
internal	(Optional) Commands for internal use
clis	cli server
event-history	Event history logs for clis
nvdb	Log of NVDB and PSS events
client	Log of client interaction events
errors	Log of errors
parser	Log of parser events
ha	Log of ha events
cli	Log of command events
objstr	Log of Object Store events
objstr-errors	Log of Object Store error events

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 dme status

show system dme status [__readonly__ <dme-status>]

Syntax Description

show	Show running system information
system	System-related show commands
dme	Display dme information
status	Display dme enable/disable status information
__readonly__	(Optional)
dme-status	(Optional) DME enable/disable status

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 fabric-mode

show system fabric-mode [__readonly__ TABLE_system_fabric_mode <system-fabric-mode-desc>]

Syntax Description

show	Show running system information
system	Show system information
fabric-mode	Show the fabric operation mode information
__readonly__	(Optional)
TABLE_system_fabric_mode	(Optional) the xml system_fabric_mode configuration
system-fabric-mode-desc	(Optional) system fabric mode description

Command Mode

- /exec

show system fast-reload stabilization-timer

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

Syntax Description

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

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 <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
pminbandweigh0	(Optional) BPDU Weight
pminbandweigh1	(Optional) Q0 Weight
pminbandweigh2	(Optional) Q1 Weight

Command Mode

- /exec

show system kgdb

show system kgdb

Syntax Description

show	Show running system information
system	System-related show commands
kgdb	Displays state of kgdb_enable flag

Command Mode

- /exec

show system login

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

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

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 nve infra-vlans

show system nve infra-vlans [__readonly__ <output>]

Syntax Description

show	Show running system information
system	System-related show commands
nve	Show NVE information
infra-vlans	Show NVE infra-vlans related information
__readonly__	(Optional)
output	(Optional)

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 [__readonly__ { TABLE_reason <slot> { TABLE_rr <time> <reason> <service> <version> } }]

Syntax Description

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

Command Mode

- /exec

show system reset-reason

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

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
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 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

show system resources <i0>

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
i0	time interval in seconds

Command Mode

- /exec

show system resources module

show system resources [<i0>] module <module>

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
i0	(Optional) time interval in seconds
module	Show system resources for specified module
module	module number

Command Mode

- /exec

show system resources module all

show system resources [<i0>] module all [__readonly__ { TABLE_cpuinfo <sts_msg1> <str1> <cpu_module> <cpu_5sec> <cpu_1min> <cpu_5min> } { TABLE_meminfo <sts_msg2> <str2> <mem_module> <mem_total> <mem_used> <mem_free> <mem_total> }]

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
i0	(Optional) time interval in seconds
module	Show system resources for specified module
all	Show system resources for all modules
__readonly__	(Optional)
TABLE_cpuinfo	(Optional)
sts_msg1	(Optional)
str1	(Optional)
cpu_module	(Optional)
cpu_5sec	(Optional)
cpu_1min	(Optional)
cpu_5min	(Optional)
TABLE_meminfo	(Optional)
sts_msg2	(Optional)
str2	(Optional)
mem_module	(Optional)
mem_total	(Optional)
mem_used	(Optional)
mem_free	(Optional)
mem_total	(Optional)

Command Mode

- /exec

show system routing mode

show system routing mode [__readonly__ TABLE_system_routing_mode <system-routing-mode-desc>]

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
system-routing-mode-desc	(Optional) system routing mode description

Command Mode

- /exec

show system srg

show system srg

Syntax Description

show	Show running system information
system	System-related show commands
srg	Displays the system SRG

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 switchover impact

show system switchover impact [<uri0> [<uri1>]]

Syntax Description

show	Show running system information
system	System-related show commands
switchover	Show the software switchover impact between two images
impact	impact {standby_system_uri} {active_system_uri}
uri0	(Optional) Enter standby URI
uri1	(Optional) Enter active URI

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