S Show Commands

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__	
terminal	Type: string logfile terminal
feature	Type: string name service
logfilesize	Type: string logfilesize
emailfrom	Type: string emailfrom
emailreplyto	Type: string emailreplyto
smtpserver	Type: string smtpserver
port	Type: string port
usevrf	Type: string usevrf
TABLE_userconfig	userconfig
username	Type: string username
password	Type: string password

TABLE_jobconfig	job configs
jobdata	Type: string jobdata
TABLE_scheduleconfig	schedule configs
schedulename	Type: string schedulename
scheduletype	Type: string scheduletype
TABLE_jobs	jobs
status	Type: string status
email	Type: string email

Command Modes

- /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	Specify the name of job
s0	Type: string length: 31 Specify the job name
__readonly__	
TABLE_schedulerjobs	schedulerjobs
jobname	Type: string job name
jobdata	Type: string job data

Command Modes

- /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__	
TABLE_joblog	jobs log
jobname	Type: string job name
jobstatus	Type: string job status
schedulename	Type: string schedulename
scheduleusername	Type: string scheduleusername
completiontime	Type: string completiontime
joboutput	Type: string joboutput

Command Modes

- /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	Specify the name of schedule
s0	Type: string length: 31 Specify the schedule name
__readonly__	
TABLE_schedules	schedules
schedulename	Type: string Schedule name
scheduleusername	Type: string schedule username
scheduletype	Type: string scheduletype
starttime	Type: string starttime
lastexectime	Type: string last exec time
lastcompletiontime	Type: string lastcompletiontime
execcount	Type: string execcount
jobcount	Type: string jobcount

TABLE_jobs	jobs
jobname	Type: string jobname
execstatus	Type: string execstatus

Command Modes

- /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*] [*engineID*]] *tcp_suth_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*]]] [*protocal_status*] [**TABLE_snmp_contexts** *context_name proto_instanceid vrf topology* [*vlan*| *MST*]]]

Syntax Description

show	Show running system information
snmp	show snmp information
__readonly__	Read Only
TABLE_snmp_community	Table that displays the community information
TABLE_snmp_users	Table that displays the user information
TABLE_groups	Table that displays the group information
TABLE_policies	Table that displays the policy information
TABLE_snmp_contexts	Table that displays the context information
sys_contact	Type: string System Contact
sys_location	Type: string System Location
snmp_input_packets	Type: string SNMP input packets
bad_snmp_version	Type: string bad snmp version in Input SNMP packets
unknown_community_name	Type: string unknown community name in Input SNMP packets
illegal_community_name	Type: string Illegal community name in Input SNMP packets

encoding_Err	Type: string Encoding Errors in Input SNMP packets
req_var_nums	Type: string number of requested variables
alt_var_nums	Type: string number of altered variable
get_req_in	Type: string GET request in Input SNMP packets
getnext_req_in	Type: string GET-NEXT request in Input SNMP packets
set_req_in	Type: string SET request in Input SNMP packets
noname_pdu_in	Type: string NONAME PDU in Input SNMP packets
badval_pdu_in	Type: string Bad value PDU in Input SNMP packets
ro_pdu_in	Type: string Read only PDU in Input SNMP packets
genral_err_in	Type: string Genral Error in Input SNMP packets
get_resp_in	Type: string Get Response PDU in Input SNMP packets
unknown_ctx	Type: string Unknown context Name in Input SNMP packets
snmp_output_packets	Type: string SNMP Output Packets
trap_pdu	Type: string Trap PDU in Output SNMP Packets
toobig_err	Type: string Too Big errors in Output SNMP Packets

noname_pdu_out	Type: string
badval_pdu_out	Type: string NoName PDU in Output SNMP Packets
genral_err_out	Type: string Genral Error in Output SNMP Packets
get_req_out	Type: string GET request in Output SNMP Packets
getnext_req_out	Type: string GET-NEXTrequest in Output SNMP Packets
set_req_out	Type: string SET request in Output SNMP packets
get_resp_out	Type: string Get Response PDU in Output SNMP Packets
silent_drops	Type: string Silent Drop packets
max_pkt_size	Type: string Maximum packet size
community_name	Type: string community name
grouporaccess	Type: string Group name
context	Type: string contaxt Name
aclfilter	Type: string Acl filter name
user	Type: string User name
auth	Type: string Auth type

priv	Type: string Priv Type
group	Type: string Group name
engineID	Type: string engine id for the user
tcp_suth_status	Type: string TCP authentication status
port_mon_status	Type: string Port monitor status
policy_name	Type: string policy name
pol_admin_status	Type: string Policy Admin status
plo_oper_status	Type: string Police oper status
pol_port_type	Type: string policy port type
counter	Type: string counters
threshold	Type: string Threshold
interval	Type: string Interval
rising_threshold	Type: string Rising threshold
rising_event	Type: string Rising Event
falling_threshold	Type: string Falling threshold

falling_event	Type: string Falling Event
pmon_config	Type: string PMON configured
protocal_status	Type: string Protocal Enable status
context_name	Type: string context name
proto_instanceid	Type: string Protocal instance ID
vrf	Type: string VRF Name
topology	Type: string Topology
vlan	Type: string VLAN name
MST	Type: string MST name

Command Modes

- /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__	Read Only
TABLE_snmp_community	contains all snmp community names
community_name	Type: string community name
grouporaccess	Type: string group or access name
context	Type: string context name
aclfilter	Type: string acl filter name

Command Modes

- /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__	
TABLE_snmp_contexts	All SNMP Contexts Entries
context_name	Type: string SNMP context Name
proto_instanceid	Type: string Name of the protocol instance
vrf	Type: string VRF name
topology	Type: string Name of the Topology
vlan	Type: string VLAN Name
MST	Type: string

Command Modes

- /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__	
engineIDHex	Type: string SNMP engineID in HEX
engineIDDec	Type: string SNMP engineID in Decimal

Command Modes

- /exec

show snmp group

show snmp group [**__readonly__ TABLE_role** *role_name role_description* [*attribute_scope*] [*permit_vsan*] [*permit_vlan*] [*permit_interface*] [*permit_vrf*] [**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__	Read Only
TABLE_role	Table displays role
role_name	Type: string Role Name
role_description	Type: string Role Description
attribute_scope	Role scope **global value: 0x00000001** **local value: 0x00000002**
permit_vsan	Type: bitmap permitted vsan
permit_vlan	Type: bitmap
permit_interface	Type: interface-mrange
permit_vrf	Type: string
TABLE_rule	
rule_num	Type: integer min: 1 max: 256
rule_action	**permit value: 1** **deny value: 2**

rule_permission	**read value: 1** **read-write value: 2** **command value: 3**
rule_permission_mds	**show value: 11** **config value: 12** **clear value: 13** **debug value: 14** **exec value: 15**
rule_featuretype	Type: _enum
rule_entity	Type: string

Command Modes

- /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__	Read Only
TABLE_host	displays the list of hosts configured for snmp requests
TABLE_vrf_filters	displays the host vrf filters
host	Type: string Host address
port	Type: string port for thehost ip
version	Type: string snmp version
level	Type: string security level
type	Type: string type of snmp request/response
secname	Type: string community name for the snmp req/response
vrf	Type: string VRF Name
vrf_filter	Type: string vrf filters
src_intf	Type: string source interface

Command Modes

- /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	Type: ipaddr igmpCacheAddress
igmpCacheIfIndex-in	Type: integer igmpCacheIfIndex
__readonly__	
TABLE_igmpCacheTable	
igmpCacheAddress-out	Type: ipaddr mib table index igmpCacheAddress
igmpCacheIfIndex-out	Type: integer mib table index igmpCacheIfIndex
igmpCacheSelf	Type: integer mib object igmpCacheSelf
igmpCacheLastReporter	Type: ipaddr mib object igmpCacheLastReporter
igmpCacheUpTime	Type: duration mib object igmpCacheUpTime
igmpCacheExpiryTime	Type: duration mib object igmpCacheExpiryTime
igmpCacheStatus	Type: integer mib object igmpCacheStatus

igmpCacheVersion1HostTimer	Type: duration mib object igmpCacheVersion1HostTimer

Command Modes

- /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	Type: integer igmpInterfaceIndex
__readonly__	
TABLE_igmpInterfaceTable	
igmpInterfaceIfIndex-out	Type: integer mib table index igmpInterfaceIfIndex
igmpInterfaceQueryInterval	Type: integer mib object igmpInterfaceQueryInterval
igmpInterfaceStatus	Type: integer mib object igmpInterfaceStatus
igmpInterfaceVersion	Type: integer mib object igmpInterfaceVersion
igmpInterfaceQuerier	Type: ipaddr mib object igmpInterfaceQuerier
igmpInterfaceQueryMaxResponseTime	Type: integer mib object igmpInterfaceQueryMaxResponseTime
igmpInterfaceQuerierUpTime	Type: duration mib object igmpInterfaceQuerierUpTime

igmpInterfaceQuerierExpiryTime	Type: duration mib object igmpInterfaceQuerierExpiryTime
igmpInterfaceVersion1QuerierTimer	Type: duration mib object igmpInterfaceVersion1QuerierTimer
igmpInterfaceWrongVersionQueries	Type: integer mib object igmpInterfaceWrongVersionQueries
igmpInterfaceJoins	Type: integer mib object igmpInterfaceJoins
igmpInterfaceProxyIfIndex	Type: integer mib object igmpInterfaceProxyIfIndex
igmpInterfaceGroups	Type: integer mib object igmpInterfaceGroups
igmpInterfaceRobustness	Type: integer mib object igmpInterfaceRobustness
igmpInterfaceLastMembQueryIntvl	Type: integer mib object igmpInterfaceLastMembQueryIntvl

Command Modes

- /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	Type: ipaddr pimCandidateRPGroupAddress
pimCandidateRPGroupMask-in	Type: ipaddr pimCandidateRPGroupMask
__readonly__	
TABLE_pimCandidateRPTable	
pimCandidateRPGroupAddress-out	Type: ipaddr mib table index pimCandidateRPGroupAddress
pimCandidateRPGroupMask-out	Type: ipaddr mib table index pimCandidateRPGroupMask
pimCandidateRPAddress	Type: ipaddr mib object pimCandidateRPAddress
pimCandidateRPRowStatus	Type: integer mib object pimCandidateRPRowStatus

Command Modes

- /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	Type: integer pimComponentIndex
__readonly__	
TABLE_pimComponentTable	
pimComponentIndex-out	Type: integer mib table index pimComponentIndex
pimComponentBSRAddress	Type: ipaddr mib object pimComponentBSRAddress
pimComponentBSRExpiryTime	Type: duration mib object pimComponentBSRExpiryTime
pimComponentCRPHoldTime	Type: integer mib object pimComponentCRPHoldTime
pimComponentStatus	Type: integer mib object pimComponentStatus

Command Modes

- /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	Type: integer pimInterfaceIndex
__readonly__	
TABLE_pimInterfaceTable	
pimInterfaceIfIndex-out	Type: integer mib table index pimInterfaceIfIndex
pimInterfaceAddress	Type: ipaddr mib object pimInterfaceAddress
pimInterfaceNetMask	Type: ipaddr mib object pimInterfaceNetMask
pimInterfaceMode	Type: integer mib object pimInterfaceMode
pimInterfaceDR	Type: ipaddr mib object pimInterfaceDR
pimInterfaceHelloInterval	Type: integer mib object pimInterfaceHelloInterval
pimInterfaceStatus	Type: integer mib object pimInterfaceStatus
pimInterfaceJoinPruneInterval	Type: integer mib object pimInterfaceJoinPruneInterval

pimInterfaceCBSRPreference	Type: integer mib object pimInterfaceCBSRPreference

Command Modes

- /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	Type: ipaddr ipMRouteNextHopGroup
ipMRouteNextHopSource-in	Type: ipaddr ipMRouteNextHopSource
ipMRouteNextHopSourceMask-in	Type: ipaddr ipMRouteNextHopSourceMask
ipMRouteNextHopIfIndex-in	Type: integer ipMRouteNextHopIfIndex
ipMRouteNextHopAddress-in	Type: ipaddr ipMRouteNextHopAddress
__readonly__	
TABLE_pimIpMRouteNextHopTable	
ipMRouteNextHopGroup-out	Type: integer mib table index ipMRouteNextHopGroup
ipMRouteNextHopSource-out	Type: ipaddr mib table index pimComponentBSRAddress
ipMRouteNextHopSourceMask-out	Type: duration mib table index pimComponentBSRExpiryTime

ipMRouteNextHopIfIndex-out	Type: integer mib table index pimComponentCRPHoldTime
ipMRouteNextHopAddress-out	Type: integer mib table index pimComponentStatus
pimIpMRouteNextHopPruneReason	Type: integer mib object pimIpMRouteNextHopPruneReason

Command Modes

- /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	Type: ipaddr ipMRouteGroup
ipMRouteSource-in	Type: ipaddr ipMRouteSource
ipMRouteSourceMask-in	Type: ipaddr ipMRouteSourceMask
__readonly__	
TABLE_pimIpMRouteTable	
ipMRouteGroup-out	Type: ipaddr mib table index ipMRouteGroup-out
ipMRouteSource-out	Type: ipaddr mib table index ipMRouteSource-out
ipMRouteSourceMask-out	Type: ipaddr mib table index ipMRouteSourceMask-out
pimIpMRouteUpstreamAssertTimer	Type: duration mib object pimIpMRouteUpstreamAssertTimer
pimIpMRouteAssertMetric	Type: integer mib object pimIpMRouteAssertMetric
pimIpMRouteAssertMetricPref	Type: integer mib object pimIpMRouteAssertMetricPref

pimIpMRouteAssertRPTBit	Type: integer mib object pimIpMRouteAssertRPTBit
pimIpMRouteFlags	Type: string mib object pimIpMRouteFlags

Command Modes

- /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__	Read Only
pimJoinPruneInterval	Type: integer mib object pimJoinPruneInterval

Command Modes

- /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	Type: ipaddr pimNeighborAddress
__readonly__	
TABLE_pimNeighborTable	
pimNeighborAddress-out	Type: ipaddr mib table index pimNeighborAddress
pimNeighborIfIndex	Type: integer mib object pimNeighborIfIndex
pimNeighborUpTime	Type: duration mib object pimNeighborUpTime
pimNeighborExpiryTime	Type: duration mib object pimNeighborExpiryTime

Command Modes

- /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	Type: integer pimRPSetComponent
pimRPSetGroupAddress-in	Type: ipaddr pimRPSetGroupAddress
pimRPSetGroupMask-in	Type: ipaddr pimRPSetGroupMask
pimRPSetAddress-in	Type: ipaddr pimRPSetAddress
__readonly__	
TABLE_pimRPSetTable	
pimRPSetGroupAddress-out	Type: ipaddr mib table index pimRPSetGroupAddress
pimRPSetGroupMask-out	Type: ipaddr mib table index pimRPSetGroupMask
pimRPSetAddress-out	Type: ipaddr mib table index pimRPSetAddress
pimRPSetHoldTime	Type: duration mib object pimRPSetHoldTime
pimRPSetExpiryTime	Type: duration mib object pimRPSetExpiryTime

pimRPSetComponent-out	Type: integer mib table index pimRPSetComponent

Command Modes

- /exec

show snmp pss

show snmp pss

Syntax Description

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

Command Modes

- /exec

show snmp roledebug

show snmp roledebug

Syntax Description

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

Command Modes

- /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__	Read Only
TABLE_session	table displays destination
dest	Type: string destination

Command Modes

- /exec

show snmp snmpv3stats

show snmp snmpv3stats

Syntax Description

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

Command Modes

- /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__	Read Only
trap_srcintf	Type: string Displays the source interface for traps
informs_srcintf	Type: string Displays the source interface for informs

Command Modes

- /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__	Read Only
TABLE_snmp_trap	All snmp traps configured
trap_type	Type: string Trap Type
description	Type: string Trap description
isEnabled	Type: string Trap Enabled Status

Command Modes

- /exec

show snmp user

show snmp user [*s0* [**engineID** *s1*]] [**__readonly__** [**TABLE_snmp_users** *user auth priv* [**TABLE_groups** *group*] [*engineID*]]]

Syntax Description

show	Show running system information
snmp	show snmp information
user	show SNMPv3 users
s0	Type: string length: 28 Name of the user
engineID	engineID
s1	Type: string length: 128 Target's SNMP engineID(colon separated) for SNMPv3 inform
__readonly__	Read Only
TABLE_snmp_users	table displays the snmp users
TABLE_groups	table displays the gropus for specific user
user	Type: string user name
auth	Type: string auth type
priv	Type: string priv type
group	Type: string group belongs to
engineID	Type: string engineID for specific user

Command Modes

- /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	Dump buffers from ALL list
free	Dump buffers from FREE list
count	Type: integer Number of buffers to dump

Command Modes

- /exec

show sockets client

show sockets client [**pid** *pid*] [**tcp**| **udp**| **raw**] **[detail]** [**__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*]] [**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	Display specific client process information
pid	Type: integer min: 1 max: 65535 Display client process <pid>
tcp	Display TCP clients

udp	Display UDP clients
raw	Display RAW clients
detail	Display socket details
__readonly__	
TABLE_total_clients	Total no of client sockets
socket-type	Type: string Sockets type
total-clients	Type: longlong
no-total-clients	Type: longlong
TABLE_cl_sk	Display Client sockets
prefix	Type: string Prefix to the sockets
client-name	Type: string Display socket client info
pid	Type: integer min: 1 max: 65535 Display client process <pid>
No-of-clients	Type: longlong Number of socket clients
fast-tcp-mts-ctrl-q	Type: uinteger
cancel-requests	Type: uinteger
cancel-unblocks	Type: uinteger
cancel-misses	Type: uinteger
select-drops	Type: uinteger
select-wakes	Type: uinteger
TABLE_det	Display Socket client Details
fd	Type: integer Client socket fd

client-id	Type: integer Client socket id
mts-sap	Type: integer socket mts addr sap
TABLE_st	Sock detail Ctrl statistics
soc-calls	Type: uinteger
bind-calls	Type: uinteger
listen-calls	Type: uinteger
accept-calls	Type: uinteger
acc-dispat-err	Type: uinteger
connect-calls	Type: uinteger
connec-dispatch	Type: uinteger
recvmsg-dispatch	Type: uinteger
recv-dis-nblock	Type: uinteger
recvmsg-call	Type: uinteger
brecv-dispatch	Type: uinteger
fsendmsg-calls	Type: uinteger
sendmsg-dispatch	Type: uinteger
sendmsg-calls	Type: uinteger
msendmsg-calls	Type: uinteger
select-calls	Type: uinteger
select-dispatch	Type: uinteger
select-need-work	Type: uinteger
sh-calls	Type: uinteger
close-calls	Type: uinteger
fcntl-calls	Type: uinteger
ioctl-calls	Type: uinteger

setsock-calls	Type: uinteger
getsock-calls	Type: uinteger
getsockname-calls	Type: uinteger
getpeer-calls	Type: uinteger
fork-calls	Type: uinteger
execve-calls	Type: uinteger
dup-calls	Type: uinteger
can-calls	Type: uinteger
can-miss	Type: uinteger
can-unblk-sele	Type: uinteger
soc-ha-calls	Type: uinteger
pfork-client	Type: uinteger
read-fd	Type: uinteger
write-fd	Type: uinteger
read-fd-set	Type: uinteger
write-fd-set	Type: uinteger
fast-tcp-send-req	Type: uinteger
fast-tcp-send-suc	Type: uinteger
fast-tcp-ack	Type: uinteger
TABLE_sterr	Client Socket Error Statistics
sock-err	Type: uinteger
sock-nodev-err	Type: uinteger
bind-err	Type: uinteger
lis-err	Type: uinteger
accept-err	Type: uinteger
connect-err	Type: uinteger

recvmsg-err	Type: uinteger
brcvmsg-err	Type: uinteger
fsendmsg-err	Type: uinteger
sendmsg-err	Type: uinteger
msndmsg-err	Type: uinteger
select-err	Type: uinteger
sel-nomem-err	Type: uinteger
shut-err	Type: uinteger
close-err	Type: uinteger
fcntl-err	Type: uinteger
ioctl-err	Type: uinteger
setsoc-err	Type: uinteger
getsoc-err	Type: uinteger
getsocname-err	Type: uinteger
getpeername-err	Type: uinteger
fork-err	Type: uinteger
execve-err	Type: uinteger
dup-err	Type: uinteger
psoc-vrf-err	Type: uinteger
psoc-nosoc-err	Type: uinteger
psoc-sock-null-err	Type: uinteger
psoc-socre-err	Type: uinteger
pbind-nsock-err	Type: uinteger
pbd-getsocaddr	Type: uinteger
pbind-sobind-err	Type: uinteger
plisten-nsoc-err	Type: uinteger

plis-solis-err	Type: uinteger
pacc-nsoc-err	Type: uinteger
pacc-no-nsoc-err	Type: uinteger
pacc-soc-null-err	Type: uinteger
pacc-copy-err	Type: uinteger
pacc-no-acc-err	Type: uinteger
pacc-woublo-err	Type: uinteger
pacc-connabo-err	Type: uinteger
pacc-cond-wait-err	Type: uinteger
pacc-so-err-err	Type: uinteger
pacc-err-err	Type: uinteger
pcon-no-soc-err	Type: uinteger
pcon-ealready-err	Type: uinteger
pconn-getsock	Type: uinteger
pconn-socon-err	Type: uinteger
pconn-einpro-err	Type: uinteger
pconn-con-wait-err	Type: uinteger
psend-no-soc-err	Type: uinteger
psend-inval-iov	Type: uinteger
psend-getsoc-err	Type: uinteger
psend-msg-ctrl-err	Type: uinteger
psend-sockarg-err	Type: uinteger
psend-pru-sosend	Type: uinteger
precv-nosock-err	Type: uinteger
precv-inval-iovlen	Type: uinteger
precv-pru-sorecv	Type: uinteger

precv-cp-msg-err	Type: uinteger
precv-cp-msg-nlen	Type: uinteger
precv-cp-data-err	Type: uinteger
pbrecv-rcvmsg-err	Type: uinteger
pshut-no-soc-err	Type: uinteger
psetsoc-val-err	Type: uinteger
psetsoc-inv-val	Type: uinteger
psetsoc-no-soc-err	Type: uinteger
psetsoc-sosetopt	Type: uinteger
pgetsoc-no-socerr	Type: uinteger
pgetsoc-cp-err	Type: uinteger
pgetsoc-val-err	Type: uinteger
pgetsoc-sogt-err	Type: uinteger
pgtsoc-no-soc-err	Type: uinteger
pgtsoc-cp-err	Type: uinteger
pgtsoc-pru-soc-err	Type: uinteger
pgtsoc-cpout-err	Type: uinteger
pgtprne-no-soc-err	Type: uinteger
pgtprne-enot-err	Type: uinteger
pgtprne-cp-err	Type: uinteger
pgtprne-pru-pradd	Type: uinteger
pgtprne-cpout-err	Type: uinteger
pclose-no-soc-err	Type: uinteger
pclose-socnull-err	Type: uinteger
pclose-p-cls2-err	Type: uinteger
pfcntl-no-soc-err	Type: uinteger

pfcntl-soc-null	Type: uinteger
pfcntl-enotsup	Type: uinteger
pfcntl-einval-err	Type: uinteger
pioctl-no-soc-err	Type: uinteger
pioctl-enotsup	Type: uinteger
pioctl-pru-cntl	Type: uinteger
pfork-enomem-err	Type: uinteger
pdup-no-soc-err	Type: uinteger
pudp-soc-null-err	Type: uinteger
ha-nomem-err	Type: uinteger
ha-tlv-err	Type: uinteger
ha-soc-arg-err	Type: uinteger
ha-cli-tlv-err	Type: uinteger
ha-pss-upd-err	Type: uinteger
ha-no-soc-err	Type: uinteger
ha-soc-tlv-err	Type: uinteger
ha-soc-pss-upd	Type: uinteger
ha-inpcb-tlv	Type: uinteger
ha-inpcb-pssky	Type: uinteger
ha-ip-mopt-tlv	Type: uinteger
ha-ip-mopt-pss	Type: uinteger
ha-ip6-mopt-tlv	Type: uinteger
ha-ip6-mopt-pss	Type: uinteger
ha-tcpcb-tlv	Type: uinteger
ha-tcpcb-pss	Type: uinteger
ft-tcp-wblock	Type: uinteger

ft-send-p-sndmsg	Type: uinteger
ft-ack-rcv-no-soc	Type: uinteger
TABLE_sp_cl	Sock specific Ctrl statistics
can-requests	Type: uinteger
can-unblocks	Type: uinteger
can-misses	Type: uinteger
sel-drops	Type: uinteger
sel-wakes	Type: uinteger

Command Modes

- /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	Display specific client process connection status
pid	Type: integer min: 1 max: 65535 Display client process connection status <pid>
tcp	Display all TCP connections
udp	Display all UDP connections
raw	Display all raw connections
local	Display all TCP connections with specified local address
srcIP	Type: ipaddr Display all TCP connections with specified local address
srcIP6	Type: ipv6addr Display all TCP connections with specified local address
foreign	Display all TCP connections with specified foreign address
dstIP	Type: ipaddr Display all TCP connections with specified foreign address
dstIP6	Type: ipv6addr Display all TCP connections with specified foreign address
detail	Display detailed connection infomation
keydetails	Display md5 key specific details

__readonly__	
TABLE_vrf	
vrf-name-out	Type: string
TABLE_afi	
afi	**ipv4 value: 1** **ipv6 value: 2** **both value: 3**
TABLE_conn	
prot	Type: string
tcp-state	Type: string
rcv-count	Type: uinteger
laddr	Type: ipaddr
lport	Type: uinteger
faddr	Type: ipaddr
fport	Type: uinteger
intf	Type: string
snd-count	Type: uinteger
type	Type: string
ttl	Type: uinteger
tos	Type: uinteger
options	Type: string
state	Type: string
iss	Type: uinteger
snd-una	Type: uinteger
snd-nxt	Type: uinteger
snd_wnd	Type: uinteger

irs	Type: uinteger
rcv-nxt	Type: uinteger
rcv-wnd	Type: uinteger
snd-cwnd	Type: uinteger
srtt	Type: uinteger
rtt	Type: uinteger
rttvar	Type: uinteger
krtt	Type: uinteger
rttmin	Type: uinteger
mss	Type: uinteger
dur	Type: uinteger
flags	Type: uinteger
md5-cnt	Type: uinteger
md5-host	Type: string
md5-err	Type: uinteger
rcv-hiwat	Type: uinteger
rcv-lowat	Type: uinteger
rcv-flags	Type: uinteger
snd-hiwat	Type: uinteger
snd-lowat	Type: uinteger
snd-flags	Type: uinteger
tcp-count	Type: uinteger
udp-count	Type: uinteger
raw-count	Type: uinteger

Command Modes

- /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 Modes

- /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	Clear perf statistics

Command Modes

- /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	Display TCP/UDP/RAW v4/v6 protocols statistics
tcp	Display TCP v4 protocol statistics
tcp6	Display TCP v6 protocol statistics
tcpsum	Display sum of TCP v4 and TCP v6 protocols statistics
udp	Display UDP v4 protocol statistics
udp6	Display UDP v6 protocol statistics
udpsum	Display sum of UDP v4 and UDP v6 protocols statistics
raw	Display RAW v4 protocol statistics
raw6	Display RAW v6 protocol statistics
rawsum	Display sum of RAW v4 and RAW v6 protocols statistics
__readonly__	
TABLE_vrf	
vrf-name-out	Type: string
TABLE_afi	

afi	**ipv4 value: 1** **ipv6 value: 2** **both value: 3**
TABLE_stat	
rx-total	Type: uinteger
rx-bad-csum	Type: uinteger
rx-bad-offset	Type: uinteger
rx-too-short	Type: uinteger
rx-bad-md5	Type: uinteger
rx-inseq-pack	Type: uinteger
rx-inseq-bytes	Type: uinteger
rx-dup-pack	Type: uinteger
rx-dup-bytes	Type: uinteger
rx-partdup-pack	Type: uinteger
rx-partdup-bytes	Type: uinteger
rx-oo-pack	Type: uinteger
rx-oo-bytes	Type: uinteger
rx-afterwin-pack	Type: uinteger
rx-afterwin-bytes	Type: uinteger
rx-afterclose-pack	Type: uinteger
rx-winprobe-pack	Type: uinteger
rx-winupdate-pack	Type: uinteger
rx-dupack-pack	Type: uinteger
rx-dupack-unsent-pack	Type: uinteger
rx-ack-pack	Type: uinteger
rx-ack-bytes	Type: uinteger

tx-total	Type: uinteger
tx-urg	Type: uinteger
tx-ctrl	Type: uinteger
tx-data-pack	Type: uinteger
tx-data-bytes	Type: uinteger
tx-reasm-pack	Type: uinteger
tx-reasm-bytes	Type: uinteger
tx-ackonly-pack	Type: uinteger
tx-winprobe-pack	Type: uinteger
tx-winupdate-bytes	Type: uinteger
tx-conn-init	Type: uinteger
tx-conn-accepted	Type: uinteger
tx-conn-estd	Type: uinteger
tx-rxmt-timeout	Type: uinteger
tx-rxmt-timeout-dropped	Type: uinteger
tx-ka-timeout	Type: uinteger
tx-ka-probe	Type: uinteger
tx-ka-drop	Type: uinteger
closed	Type: uinteger
dropped	Type: uinteger
emb-dropped	Type: uinteger
udp-rx-total	Type: uinteger
udp-rx-bad-csum	Type: uinteger
udp-rx-no-csum	Type: uinteger
udp-rx-too-short	Type: uinteger
udp-rx-bad-len	Type: uinteger

udp-rx-no-port	Type: uinteger
udp-rx-no-port-bcast	Type: uinteger
udp-rx-no-port-mcast	Type: uinteger
udp-rx-full-socket-drop	Type: uinteger
udp-tx-total	Type: uinteger
raw-rx-rcvd	Type: uinteger
raw-rx-no-port	Type: uinteger
raw-rx-full-socket-drop	Type: uinteger
raw-tx-sent	Type: uinteger
version	Type: string

Command Modes

- /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__	
TABLE_keychain	all sockets tcp keychains
keychain	Type: string xml keychain information
handle	Type: hex xml handle information
ref_count	Type: integer xml refcount information

Command Modes

- /exec

show spanning-tree (stp)

show spanning-tree [**vlan** *vlan-id*] {*verbosity*| **active**}+

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	VLAN Switch Spanning Trees
vlan-id	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
verbosity	verbosity **brief value: 1** Brief summary of interface information **detail value: 2** Detailed information
active	Report on active interfaces only

Command Modes

- /exec

show spanning-tree (stp)

show spanning-tree [**vlan** *vlan-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 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	VLAN Switch Spanning Trees
vlan-id	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
__readonly__	Read Only
TABLE_tree	
tree_id	Type: uinteger Tree Id
tree_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST

tree_protocol	Tree Protocol **invalid value: 0** invalid **default value: 1** default **ieee value: 2** ieee **dec value: 3** dec **ibm value: 4** ibm **vlan-bridge value: 5** vlan-bridge **rstp value: 6** rstp **mstp value: 7** mstp
port_count	Type: uinteger Number of Ports in Tree
bridge_mac	Type: ethernet Bridge Mac
bridge_priority	Type: uinteger Bridge Priority
tree_designated_root	Type: ethernet Designated Root Mac
tree_designated_root_priority	Type: uinteger Designated Root Priority
stp_active	Type: bool Spanning Tree State
root_path_cost	Type: uinteger Root Path Cost

root_port_if_index	Type: interface Root Port
root_port_priority	Type: uinteger Root Port Priority
root_port_number	Type: uinteger Root Port Number
topology_change	Type: bool Topology Change flag is set ?
topology_change_detected	Type: bool Topology Change detected flag is set ?
topology_change_count	Type: uinteger Topology Change Count
topology_change_time_since_last	Type: uinteger Time since last TC
tc_initiator_if_index	Type: interface Topology Change initiator port
max_age	Type: uinteger Max Age
hello_time	Type: uinteger Hello Time
forward_delay	Type: uinteger Forward delay
bridge_max_age	Type: uinteger Configured Bridge Max Age
bridge_hello_time	Type: uinteger Configured Hello Time
bridge_forward_delay	Type: uinteger Configured Forward Delay
hold_time	Type: uinteger Configured Hold Time

hello_timer	Type: uinteger Hello Timer Value
topology_change_timer	Type: uinteger Topology Change Timer Value
tcn_timer	Type: uinteger TCN Timer Value
aging_timer	Type: uinteger Ageing Timer Value
disabled	Type: uinteger Number of ports Disabled
blocking	Type: uinteger Number of ports Blocking
listening	Type: uinteger Number of ports Listening
learning	Type: uinteger Number of ports Learning
forwarding	Type: uinteger Number of ports Forwarding
invalid	Type: uinteger Number of ports Invalid
TABLE_port	
if_index	Type: interface Interface

state	STP Port State **disabled value: 0** disabled **blocking value: 1** blocking **listening value: 2** listening **learning value: 3** learning **forwarding value: 4** forwarding **invalid value: 5** invalid
role	STP Port Role **unknown value: 0** unknown **alternate value: 4** alternate **root value: 2** root **designated value: 3** designated **backup value: 5** backup **master value: 7** master
port_priority	Type: uinteger Port priority
port_number	Type: uinteger Port Number
port_info_tree_id	Type: uinteger Tree Id

port_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
port_protocol	Tree Protocol **invalid value: 0** invalid **default value: 1** default **ieee value: 2** ieee **dec value: 3** dec **ibm value: 4** ibm **vlan-bridge value: 5** vlan-bridge **rstp value: 6** rstp **mstp value: 7** mstp
path_cost	Type: uinteger Cost configured on this port
port_designated_root	Type: ethernet Designated Root Mac
port_designated_root_priority	Type: uinteger Designated Root Priority
designated_cost	Type: uinteger Designated cost

designated_bridge	Type: ethernet Designated bridge mac
designated_bridge_priority	Type: uinteger Designated bridge priority
designated_port	Type: uinteger Designated Port Id
tc_acknowledge	Type: bool Is topology change acknowledge flag set ?
forward_transition_count	Type: uinteger Port transitions to Forwarding
self_looped	Type: bool Is Port self looped ?
inconsistency	Type: uinteger PVST+ Inconsistency Error Flags
bpdus_in	Type: uinteger BPDUs received on this stp port
bpdus_out	Type: uinteger BPDUs send on this stp port
port_fast	Port Fast configured on port **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable **trunk value: 3** trunk **network value: 4** network **edge value: 5** edge

link_type	Link type configured on this port **auto value: 3** auto **p2p value: 1** p2p **shared value: 2** shared
port_guard	Port Guard mode of port **default1 value: 0** default **root value: 1** root **loop value: 2** loop **none value: 3** none
bpdu_guard	Bpdu Guard mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
bpdu_filter	Bpdu Filter mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
oper_portfast	Type: bool Is portfast enabled ?

oper_p2p	Type: bool Is port P2P ?
oper_loopguard	Type: bool Is loopguard enabled ?
oper_bpduguard	Type: bool Is bpduguard enabled ?
oper_bpdufilter	Type: bool Is bpdufilter enabled ?
int_bpdufilter	Type: bool Is internal bpdufilter enabled ?
forward_delay_timer	Type: uinteger Forward Delay timer
hold_timer	Type: uinteger Hold Timer
message_age	Type: uinteger Message age timer
peer	STP protocol of the peer **undetected value: 0** undetected **stp value: 1** stp **rstp value: 2** rstp
dispute	Type: bool Is port Disputed ?
pvstsim_inc_timer	Type: uinteger PVST Simulation Inconsistency Hold Timer
boundary	Type: bool Is port boundary ?
prestd	Type: bool Is port Pre STD MST ?

simulate_pvst	Type: bool Is port is pvst simulate mode ?
oper_networkport	Type: bool Is network port enabled ?
simulate_pvst_cfg	PVST Simulation configured on port **default1 value: 0** default **enabled value: 1** enabled **disabled value: 2** disabled **def_enabled value: 3** enabled by default **def_disabled value: 4** disabled by default

Command Modes

- /exec

show spanning-tree interface (stp)

show spanning-tree [**vlan** *vlan-id*] **interface** *interface-id* {*verbosity*| **active**}+

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	VLAN Switch Spanning Trees
vlan-id	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
interface	Spanning Tree interface status and configuration
interface-id	Type: interface
verbosity	verbosity **brief value: 1** Brief summary of interface information **detail value: 2** Detailed information
active	Report on active instances only

Command Modes

- /exec

show spanning-tree interface (stp)

show spanning-tree [**vlan** *vlan-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 forward_delay_timer hold_timer message_age peer dispute pvstsim_inc_timer prestd boundary simulate_pvst oper_networkport simulate_pvst_cfg*]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	VLAN Switch Spanning Trees
vlan-id	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
interface	Spanning Tree interface status and configuration
interface-id	Type: interface
__readonly__	Read Only
TABLE_port	
if_index	Type: interface Interface
port_info_tree_id	Type: uinteger Tree Id

state	STP Port State **disabled value: 0** disabled **blocking value: 1** blocking **listening value: 2** listening **learning value: 3** learning **forwarding value: 4** forwarding **invalid value: 5** invalid
role	STP Port Role **unknown value: 0** unknown **alternate value: 4** alternate **root value: 2** root **designated value: 3** designated **backup value: 5** backup **master value: 7** master
port_priority	Type: uinteger Port priority
port_number	Type: uinteger Port Number

port_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
port_protocol	Tree Protocol **invalid value: 0** invalid **default value: 1** default **ieee value: 2** ieee **dec value: 3** dec **ibm value: 4** ibm **vlan-bridge value: 5** vlan-bridge **rstp value: 6** rstp **mstp value: 7** mstp
path_cost	Type: uinteger Cost configured on this port
port_designated_root	Type: ethernet Designated Root Mac
port_designated_root_priority	Type: uinteger Designated Root Priority
designated_cost	Type: uinteger Designated cost

designated_bridge	Type: ethernet Designated bridge mac
designated_bridge_priority	Type: uinteger Designated bridge priority
designated_port	Type: uinteger Designated Port Id
tc_acknowledge	Type: bool Is topology change acknowledge flag set ?
forward_transition_count	Type: uinteger Port transitions to Forwarding
self_looped	Type: bool Is Port self looped ?
inconsistency	Type: uinteger PVST+ Inconsistency Error Flags
bpdus_in	Type: uinteger BPDUs received on this stp port
bpdus_out	Type: uinteger BPDUs send on this stp port
port_fast	Port Fast configured on port **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable **trunk value: 3** trunk **network value: 4** network **edge value: 5** edge

link_type	Link type configured on this port **auto value: 3** auto **p2p value: 1** p2p **shared value: 2** shared
port_guard	Port Guard mode of port **default1 value: 0** default **root value: 1** root **loop value: 2** loop **none value: 3** none
bpdu_guard	Bpdu Guard mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
bpdu_filter	Bpdu Filter mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
oper_portfast	Type: bool Is portfast enabled ?

oper_p2p	Type: bool Is port P2P ?
oper_loopguard	Type: bool Is loopguard enabled ?
oper_bpduguard	Type: bool Is bpduguard enabled ?
oper_bpdufilter	Type: bool Is bpdufilter enabled ?
int_bpdufilter	Type: bool Is internal bpdufilter enabled ?
forward_delay_timer	Type: uinteger Forward Delay timer
hold_timer	Type: uinteger Hold Timer
message_age	Type: uinteger Message age timer
peer	STP protocol of the peer **undetected value: 0** undetected **stp value: 1** stp **rstp value: 2** rstp
dispute	Type: bool Is port Disputed ?
pvstsim_inc_timer	Type: uinteger PVST Simulation Inconsistency Hold Timer
boundary	Type: bool Is port boundary ?
prestd	Type: bool Is port Pre STD MST ?

simulate_pvst	Type: bool Is port is pvst simulate mode ?
oper_networkport	Type: bool Is network port enabled ?
simulate_pvst_cfg	PVST Simulation configured on port **default1 value: 0** default **enabled value: 1** enabled **disabled value: 2** disabled **def_enabled value: 3** enabled by default **def_disabled value: 4** disabled by default

Command Modes

- /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 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	Type: integer-mrange MST instance range, example: 0-3,5,7-9
__readonly__	Read Only
TABLE_tree	
tree_id	Type: uinteger Tree Id
tree_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST

tree_protocol	Tree Protocol **invalid value: 0** invalid **default value: 1** default **ieee value: 2** ieee **dec value: 3** dec **ibm value: 4** ibm **vlan-bridge value: 5** vlan-bridge **rstp value: 6** rstp **mstp value: 7** mstp
port_count	Type: uinteger Number of Ports in Tree
bridge_mac	Type: ethernet Bridge Mac
bridge_priority	Type: uinteger Bridge Priority
tree_designated_root	Type: ethernet Designated Root Mac
tree_designated_root_priority	Type: uinteger Designated Root Priority
stp_active	Type: bool Spanning Tree State
root_path_cost	Type: uinteger Root Path Cost

root_port_if_index	Type: interface Root Port
root_port_priority	Type: uinteger Root Port Priority
root_port_number	Type: uinteger Root Port Number
topology_change	Type: bool Topology Change flag is set ?
topology_change_detected	Type: bool Topology Change detected flag is set ?
topology_change_count	Type: uinteger Topology Change Count
topology_change_time_since_last	Type: uinteger Time since last TC
tc_initiator_if_index	Type: interface Topology Change initiator port
max_age	Type: uinteger Max Age
hello_time	Type: uinteger Hello Time
forward_delay	Type: uinteger Forward delay
bridge_max_age	Type: uinteger Configured Bridge Max Age
bridge_hello_time	Type: uinteger Configured Hello Time
bridge_forward_delay	Type: uinteger Configured Forward Delay
hold_time	Type: uinteger Configured Hold Time

hello_timer	Type: uinteger Hello Timer Value
topology_change_timer	Type: uinteger Topology Change Timer Value
tcn_timer	Type: uinteger TCN Timer Value
aging_timer	Type: uinteger Ageing Timer Value
disabled	Type: uinteger Number of ports Disabled
blocking	Type: uinteger Number of ports Blocking
listening	Type: uinteger Number of ports Listening
learning	Type: uinteger Number of ports Learning
forwarding	Type: uinteger Number of ports Forwarding
invalid	Type: uinteger Number of ports Invalid
ist-master-id-mac	Type: ethernet IST Master ID MAC address
ist-master-prio	Type: uinteger IST Master ID priority
ist-path-cost	Type: uinteger IST path cost
remaining-hops	Type: uinteger Remaining hops
max-hops	Type: uinteger Max Hops

txholdcount	Type: uinteger TX Hold count
tree-vlan-map	Type: string Bitmap of vlans mapped to tree
TABLE_port	
if_index	Type: interface Interface
state	STP Port State **disabled value: 0** disabled **blocking value: 1** blocking **listening value: 2** listening **learning value: 3** learning **forwarding value: 4** forwarding **invalid value: 5** invalid

role	STP Port Role **unknown value: 0** unknown **alternate value: 4** alternate **root value: 2** root **designated value: 3** designated **backup value: 5** backup **master value: 7** master
port_priority	Type: uinteger Port priority
port_number	Type: uinteger Port Number
port_info_tree_id	Type: uinteger Tree Id
port_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST

port_protocol	Tree Protocol **invalid value: 0** invalid **default value: 1** default **ieee value: 2** ieee **dec value: 3** dec **ibm value: 4** ibm **vlan-bridge value: 5** vlan-bridge **rstp value: 6** rstp **mstp value: 7** mstp
path_cost	Type: uinteger Cost configured on this port
port_designated_root	Type: ethernet Designated Root Mac
port_designated_root_priority	Type: uinteger Designated Root Priority
designated_cost	Type: uinteger Designated cost
designated_bridge	Type: ethernet Designated bridge mac
designated_bridge_priority	Type: uinteger Designated bridge priority
designated_port	Type: uinteger Designated Port Id

tc_acknowledge	Type: bool Is topology change acknowledge flag set ?
forward_transition_count	Type: uinteger Port transitions to Forwarding
self_looped	Type: bool Is Port self looped ?
inconsistency	Type: uinteger PVST+ Inconsistency Error Flags
bpdus_in	Type: uinteger BPDUs received on this stp port
bpdus_out	Type: uinteger BPDUs send on this stp port
port_fast	Port Fast configured on port **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable **trunk value: 3** trunk **network value: 4** network **edge value: 5** edge
link_type	Link type configured on this port **auto value: 3** auto **p2p value: 1** p2p **shared value: 2** shared

port_guard	Port Guard mode of port **default1 value: 0** default **root value: 1** root **loop value: 2** loop **none value: 3** none
bpdu_guard	Bpdu Guard mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
bpdu_filter	Bpdu Filter mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
oper_portfast	Type: bool Is portfast enabled ?
oper_p2p	Type: bool Is port P2P ?
oper_loopguard	Type: bool Is loopguard enabled ?
oper_bpduguard	Type: bool Is bpduguard enabled ?

oper_bpdufilter	Type: bool Is bpdufilter enabled ?
int_bpdufilter	Type: bool Is internal bpdufilter enabled ?
forward_delay_timer	Type: uinteger Forward Delay timer
hold_timer	Type: uinteger Hold Timer
message_age	Type: uinteger Message age timer
peer	STP protocol of the peer **undetected value: 0** undetected **stp value: 1** stp **rstp value: 2** rstp
boundary	Type: bool Is port boundary ?
simulate_pvst	Type: bool Is port is pvst simulate mode ?
dispute	Type: bool Is port Disputed ?
pvstsim_inc_timer	Type: uinteger PVST Simulation Inconsistency Hold Timer
prestd	Type: bool Is port Pre STD MST ?
designated_ist_master	Type: ethernet Ist master mac
designated_ist_master_priority	Type: uinteger Ist master priority

designated_ist_cost	Type: uinteger Ist master path cost
vlan-map	Type: string Bitmap of vlans mapped to port
oper_networkport	Type: bool Is network port enabled ?

Command Modes

- /exec

show spanning-tree mst configuration __readonly__

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__	Read Only
stp-mode	Spanning Tree operating mode **rapid-pvst value: 5** Per-Vlan spanning tree mode **mst value: 4** Multiple spanning tree mode
name	Type: string Configuration name
rev-id	Type: uinteger min: 0 max: 65535 Configuration revision number
Instance_to_vlan_map	Instance to vlan mapping Info
mst_id	Type: integer MST Instance ID
vlan_bit_map	Type: bitmap VLAN Bitmap
pvlan-sync	Type: string pvlan synchronization

Command Modes

- /exec

show spanning-tree mst configuration digest __readonly__

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__	Read Only
stp-mode	Spanning Tree operating mode **rapid-pvst value: 5** Per-Vlan spanning tree mode **mst value: 4** Multiple spanning tree mode
name	Type: string Configuration name
rev-id	Type: uinteger min: 0 max: 65535 Configuration revision number
digest	Type: string MST region configuration digest
prestd-digest	Type: string MST region configuration pre-std digest
pvlan-sync	Type: string pvlan synchronization

Command Modes

- /exec

show spanning-tree mst detail

show spanning-tree mst [*mst-id*] **detail**

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
mst-id	Type: integer-mrange MST instance range, example: 0-3,5,7-9
detail	Detailed information

Command Modes

- /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 forward_delay_timer hold_timer message_age peer dispute prestd boundary simulate_pvst* [*designated_ist_master*] [*designated_ist_master_priority*] [*designated_ist_cost*] [*vlan-map*] [*oper_networkport*] [*pvstsim_inc_timer*]]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
mst-id	Type: integer-mrange MST instance range, example: 0-3,5,7-9
interface	Spanning Tree interface status and configuration
interface-id	Type: interface Specify an interface as a target for the command
__readonly__	Read Only
TABLE_port	
if_index	Type: interface Interface
port_info_tree_id	Type: uinteger Tree Id

state	STP Port State **disabled value: 0** disabled **blocking value: 1** blocking **listening value: 2** listening **learning value: 3** learning **forwarding value: 4** forwarding **invalid value: 5** invalid
role	STP Port Role **unknown value: 0** unknown **alternate value: 4** alternate **root value: 2** root **designated value: 3** designated **backup value: 5** backup **master value: 7** master
port_priority	Type: uinteger Port priority
port_number	Type: uinteger Port Number

port_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
port_protocol	Tree Protocol **invalid value: 0** invalid **default value: 1** default **ieee value: 2** ieee **dec value: 3** dec **ibm value: 4** ibm **vlan-bridge value: 5** vlan-bridge **rstp value: 6** rstp **mstp value: 7** mstp
path_cost	Type: uinteger Cost configured on this port
port_designated_root	Type: ethernet Designated Root Mac
port_designated_root_priority	Type: uinteger Designated Root Priority
designated_cost	Type: uinteger Designated cost

designated_bridge	Type: ethernet Designated bridge mac
designated_bridge_priority	Type: uinteger Designated bridge priority
designated_port	Type: uinteger Designated Port Id
tc_acknowledge	Type: bool Is topology change acknowledge flag set ?
forward_transition_count	Type: uinteger Port transitions to Forwarding
self_looped	Type: bool Is Port self looped ?
inconsistency	Type: uinteger PVST+ Inconsistency Error Flags
bpdus_in	Type: uinteger BPDUs received on this stp port
bpdus_out	Type: uinteger BPDUs send on this stp port
port_fast	Port Fast configured on port **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable **trunk value: 3** trunk **network value: 4** network **edge value: 5** edge

link_type	Link type configured on this port **auto value: 3** auto **p2p value: 1** p2p **shared value: 2** shared
port_guard	Port Guard mode of port **default1 value: 0** default **root value: 1** root **loop value: 2** loop **none value: 3** none
bpdu_guard	Bpdu Guard mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
bpdu_filter	Bpdu Filter mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
oper_portfast	Type: bool Is portfast enabled ?

oper_p2p	Type: bool Is port P2P ?
oper_loopguard	Type: bool Is loopguard enabled ?
oper_bpduguard	Type: bool Is bpduguard enabled ?
oper_bpdufilter	Type: bool Is bpdufilter enabled ?
int_bpdufilter	Type: bool Is internal bpdufilter enabled ?
forward_delay_timer	Type: uinteger Forward Delay timer
hold_timer	Type: uinteger Hold Timer
message_age	Type: uinteger Message age timer
peer	STP protocol of the peer **undetected value: 0** undetected **stp value: 1** stp **rstp value: 2** rstp
boundary	Type: bool Is port boundary ?
simulate_pvst	Type: bool Is port is pvst simulate mode ?
dispute	Type: bool Is port Disputed ?
prestd	Type: bool Is port Pre STD MST ?

designated_ist_master	Type: ethernet Ist master mac
designated_ist_master_priority	Type: uinteger Ist master priority
designated_ist_cost	Type: uinteger Ist master path cost
vlan-map	Type: string Bitmap of vlans mapped to port
oper_networkport	Type: bool Is network port enabled ?
pvstsim_inc_timer	Type: uinteger PVST Simulation Inconsistency Hold Timer

Command Modes

- /exec

show spanning-tree mst interface detail

show spanning-tree mst [*mst-id*] **interface** *interface-id* **detail**

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
mst-id	Type: integer-mrange MST instance range, example: 0-3,5,7-9
detail	Detailed information
interface	Spanning Tree interface status and configuration
interface-id	Type: interface Specify an interface as a target for the command

Command Modes

- /exec

show spanning-tree pathcost method

show spanning-tree pathcost method

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
pathcost	Show Spanning pathcost options
method	Default pathcost calculation method

Command Modes

- /exec

show spanning-tree summary

show spanning-tree [**vlan** *vlan-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	VLAN Switch Spanning Trees
vlan-id	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
summary	Summary of port states
__readonly__	Read Only
stp-mode	Spanning Tree operating mode **rapid-pvst value: 5** Per-Vlan spanning tree mode **mst value: 4** Multiple spanning tree mode
stp_tree_root_info	Type: uinteger STP Tree Root info marker
tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST

bridge_mac	Type: ethernet Bridge Mac
bridge_priority	Type: uinteger Bridge Priority
tree_designated_root	Type: ethernet Designated Root Mac
tree_designated_root_priority	Type: uinteger Designated Root Priority
stp_root_bmp_info	Type: uinteger STP root bitmap info marker
stp_root_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
tree_root_bmp	Type: bitmap STP tree root bmp
stp_l2gstp_bmp_info	Type: string L2 Gateway STP bitmap marker
stp_l2gstp_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
stp_l2gstp_bmp	Type: bitmap L2 Gateway STP bitmap

stp_global_info	Type: uinteger STP global info marker
pcost_method	Type: uinteger STP pathcost method
oper_pcost_method	Type: uinteger STP oper pathcost method
port_fast	Port Fast configured on port **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable **trunk value: 3** trunk **network value: 4** network **edge value: 5** edge
bpdu_guard	Bpdu Guard mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable

bpdu_filter	Bpdu Filter mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
oper_loopguard	Type: bool Is loopguard enabled ?
bridge_assurance	Type: uinteger Bridge Assurance
networkport_default	Type: uinteger Network Port default
simulate_pvst	Type: bool Is port is pvst simulate mode ?
max-hops	Type: uinteger Max Hops
peer_switch_cfg	Type: uinteger peer switch configuration status
oper_peer_switch	Type: uinteger peer switch operational status
stp_l2gstp_domain_id	Type: uinteger L2 Gateway STP Domain ID
stp_lite	Type: uinteger STP-Lite
TABLE_tree	
stp_tree_summary	Type: uinteger STP Tree Summary

summary_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
disabled	Type: uinteger Number of ports Disabled
blocking	Type: uinteger Number of ports Blocking
listening	Type: uinteger Number of ports Listening
learning	Type: uinteger Number of ports Learning
forwarding	Type: uinteger Number of ports Forwarding
invalid	Type: uinteger Number of ports Invalid
port_count	Type: uinteger Number of Ports in Tree
stp_summary_totals	Type: uinteger Total num STP trees
total_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST

disabled	Type: uinteger Number of ports Disabled
blocking	Type: uinteger Number of ports Blocking
listening	Type: uinteger Number of ports Listening
learning	Type: uinteger Number of ports Learning
forwarding	Type: uinteger Number of ports Forwarding
invalid	Type: uinteger Number of ports Invalid
port_count	Type: uinteger Number of Ports in Tree

Command Modes

- /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__	Read Only
stp-mode	Spanning Tree operating mode **rapid-pvst value: 5** Per-Vlan spanning tree mode **mst value: 4** Multiple spanning tree mode
stp_tree_root_info	Type: uinteger STP Tree Root info marker
tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
bridge_mac	Type: ethernet Bridge Mac
bridge_priority	Type: uinteger Bridge Priority

tree_designated_root	Type: ethernet Designated Root Mac
tree_designated_root_priority	Type: uinteger Designated Root Priority
stp_root_bmp_info	Type: uinteger STP root bitmap info marker
stp_root_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
tree_root_bmp	Type: bitmap STP tree root bmp
stp_l2gstp_bmp_info	Type: string L2 Gateway STP bitmap marker
stp_l2gstp_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
stp_l2gstp_bmp	Type: bitmap L2 Gateway STP bitmap
stp_global_info	Type: uinteger STP global info marker
pcost_method	Type: uinteger STP pathcost method

oper_pcost_method	Type: uinteger STP oper pathcost method
port_fast	Port Fast configured on port **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable **trunk value: 3** trunk **network value: 4** network **edge value: 5** edge
bpdu_guard	Bpdu Guard mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
bpdu_filter	Bpdu Filter mode configured **default1 value: 0** default **enable value: 1** enable **disable value: 2** disable
oper_loopguard	Type: bool Is loopguard enabled ?

bridge_assurance	Type: uinteger Bridge Assurance
networkport_default	Type: uinteger Network Port default
simulate_pvst	Type: bool Is port is pvst simulate mode ?
max-hops	Type: uinteger Max Hops
peer_switch_cfg	Type: uinteger peer switch configuration status
oper_peer_switch	Type: uinteger peer switch operational status
stp_l2gstp_domain_id	Type: uinteger L2 Gateway STP Domain ID
stp_lite	Type: uinteger STP-Lite
stp_summary_totals	Type: uinteger Total num STP trees
total_tree_type	Tree Type **unknown value: 0** UNKNOWN **vlan value: 1** VLAN **mst value: 2** MST
disabled	Type: uinteger Number of ports Disabled
blocking	Type: uinteger Number of ports Blocking
listening	Type: uinteger Number of ports Listening

learning	Type: uinteger Number of ports Learning
forwarding	Type: uinteger Number of ports Forwarding
invalid	Type: uinteger Number of ports Invalid
port_count	Type: uinteger Number of Ports in Tree

Command Modes

- /exec

show spanning-tree vlan (stp)

show spanning-tree [**vlan** *vlan-id*] **blockedports**

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	VLAN Switch Spanning Trees
vlan-id	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
blockedports	Show blocked ports

Command Modes

- /exec

show spanning-tree vlan (stp)

show spanning-tree [**vlan** *vlan-id*] **inconsistentports**

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	VLAN Switch Spanning Trees
vlan-id	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
inconsistentports	Show inconsistent ports

Command Modes

- /exec

show spanning-tree vlan (stp)

show spanning-tree [**vlan** *vlan-id*] **bridge** [**priority [system-id]**]| **show spanning-tree** [**vlan** *vlan-id*] **bridge** [**detail| brief**]| **show spanning-tree** [**vlan** *vlan-id*] **bridge** [**address| forward-time| hello-time| id| max-age| protocol**]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	VLAN Switch Spanning Trees
vlan-id	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
bridge	Status and configuration of this bridge
address	Mac address of this bridge
forward-time	Forward delay interval
hello-time	Hello time
id	Spanning tree bridge identifier
max-age	Max age
protocol	Spanning tree protocol
brief	Brief summary of the status and configuration output
detail	Detailed of the status and configuration
priority	Bridge priority of this bridge
system-id	Spanning tree priority with system id extension

Command Modes

- /exec

show spanning-tree vlan (stp)

show spanning-tree [**vlan** *vlan-id*] **interface** *interface-id* {**cost**| **inconsistency**| **edge**| **priority**| **rootcost**| **state**}

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	VLAN Switch Spanning Trees
vlan-id	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
interface	Spanning Tree interface status and configuration
interface-id	Type: interface
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

Command Modes

- /exec

show spanning-tree vlan (stp)

show spanning-tree [**vlan** *vlan-id*] **root** [**priority [system-id]**]| **show spanning-tree** [**vlan** *vlan-id*] **root** [**address**| **cost**| **forward-time**| **hello-time**| **id**| **max-age**| **port**]| **show spanning-tree** [**vlan** *vlan-id*] **root** [**detail**| **brief**]

Syntax Description

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

Command Modes

- /exec

show sprom

show sprom {**backplane** *i0*| **module** *module i1*| **xbar** *santa-cruz-range i2*| **powersupply** *i3*| **fan** *i4*| **sup**| **stby-sup**| **all**} [**__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** *epld_name epld_ver port_type_num max_connector_power cooling_reqt amb_temp* **TABLE_sensor_ssb** *sensor_num_ssb maj_thres_ssb min_thres_ssb* **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** *epld_name epld_ver port_type_num max_connector_power cooling_reqt amb_temp* **TABLE_sensor_lc** *sensor_num_lc maj_thres_lc min_thres_lc* **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 wwn_usage_bits* **lic_specific_block** *blk_sig_licb blk_ver_licb blk_length_licb blk_checksum_licb 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 custom_pinfo 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	Type: integer min: 1 max: 2 please enter instance of backplane sprom
module	show linecard module sprom contents
module	Type: integer please enter module number

i1	Type: integer min: 1 max: 4 please enter instance of module sprom
xbar	show xbar fabric sprom contents
santa-cruz-range	Type: integer please enter the xbar number
i2	Type: integer min: 1 max: 4 please enter sprom instance number
powersupply	show powersupply sprom contents
i3	Type: integer min: 1 max: 16 please enter powersupply number
fan	show fan module sprom contents
i4	Type: integer min: 1 max: 6 please enter fan number
sup	show supervisor sprom contents
stby-sup	show standby supervisor sprom contents
all	show all sproms contents
__readonly__	
cmn_block	
blk_sig_cb	Type: string
blk_ver_cb	Type: string
blk_length_cb	Type: string
blk_checksum_cb	Type: string
eeprom_size	Type: string
blk_count	Type: string
fru_major_type	Type: string

fru_minor_type	Type: string
oem_string	Type: string
prd_num	Type: string
serial_num	Type: string
part_num	Type: string
part_rev	Type: string
mfg_dev	Type: string
hw_rev	Type: string
mfg_bits	Type: string
eng_use	Type: string
snmp_oid	Type: string
power_consump	Type: string
rma_code	Type: string
clei_code	Type: string
vid	Type: string
ch_specific_block	
blk_sig_csb	Type: string
blk_ver_csb	Type: string
blk_length_csb	Type: string
blk_checksum_csb	Type: string
feature_bits	Type: string
hw_changes_bits	Type: string
stackmib_oid	Type: string
mac_addresses	Type: string
no_of_macs	Type: string
oem_enterprise	Type: string
oem_mib_offset	Type: string

max_connector_power	Type: string
sup_specific_block	
blk_sig_ssb	Type: string
blk_ver_ssb	Type: string
blk_length_ssb	Type: string
blk_checksum_ssb	Type: string
feature_bits	Type: string
hw_changes_bits	Type: string
card_index	Type: string
mac_addresses	Type: string
no_of_macs	Type: string
no_of_epld	Type: string
TABLE_epld	
epld_name	Type: string
epld_ver	Type: string
port_type_num	Type: string
max_connector_power	Type: string
cooling_reqt	Type: string
amb_temp	Type: string
TABLE_sensor_ssb	
sensor_num_ssb	Type: string
maj_thres_ssb	Type: string
min_thres_ssb	Type: string
lc_specific_block	
blk_sig_lc	Type: string
blk_ver_lc	Type: string
blk_length_lc	Type: string

blk_checksum_lc	Type: string
feature_bits	Type: string
hw_changes_bits	Type: string
card_index	Type: string
mac_addresses	Type: string
no_of_macs	Type: string
no_of_epld	Type: string
TABLE_epld	
epld_name	Type: string
epld_ver	Type: string
port_type_num	Type: string
max_connector_power	Type: string
cooling_reqt	Type: string
amb_temp	Type: string
TABLE_sensor_lc	
sensor_num_lc	Type: string
maj_thres_lc	Type: string
min_thres_lc	Type: string
ps_specific_block	
blk_sig_psb	Type: string
blk_ver_psb	Type: string
blk_length_psb	Type: string
blk_checksum_psb	Type: string
feature_bits	Type: string
current_110v	Type: string
current_220v	Type: string
stackmib_oid	Type: string

fan_specific_block	
blk_sig_fsb	Type: string
blk_ver_fsb	Type: string
blk_length_fsb	Type: string
blk_checksum_fsb	Type: string
feature_bits	Type: string
hw_change_bits	Type: string
stackmib_oid	Type: string
cooling_capacity	Type: string
amb_temp	Type: string
temp_sensor_block	
blk_sig_tsb	Type: string
blk_ver_tsb	Type: string
blk_length_tsb	Type: string
blk_checksum_tsb	Type: string
no_of_sensors	Type: string
TABLE_sensor_tsb	
sensor_num_tsb	Type: string
maj_thres_tsb	Type: string
min_thres_tsb	Type: string
wwn_specific_block	
blk_sig_wwnb	Type: string
blk_ver_wwnb	Type: string
blk_length_wwnb	Type: string
blk_checksum_wwnb	Type: string
wwn_usage_bits	Type: string
lic_specific_block	

blk_sig_licb	Type: string
blk_ver_licb	Type: string
blk_length_licb	Type: string
blk_checksum_licb	Type: string
lic_usage_bits	Type: string
second_serial_block	
blk_sig_sn2b	Type: string
blk_ver_sn2b	Type: string
blk_length_sn2b	Type: string
blk_checksum_sn2b	Type: string
serial_num_sn2b	Type: string
psu_common_block	
format_version	Type: string
internal_info_offset	Type: string
chassis_info_offset	Type: string
board_info_offset	Type: string
product_info_offset	Type: string
multirecord_info_offset	Type: string
checksum	Type: string
psu_board_info_block	
format_version	Type: string
length	Type: string
language_code	Type: string
mfg_date	Type: string
mfg_type	Type: string
mfg_info	Type: string
name_type	Type: string

product_name	Type: string
snum_type	Type: string
snum	Type: string
part_type	Type: string
partnum	Type: string
fruid_type	Type: string
fruid	Type: string
bom_hw_pid_info	Type: string
partnum_rev	Type: string
fab_revision	Type: string
vid	Type: string
clei_len	Type: string
clei	Type: string
eof_marker	Type: string
csum	Type: string
psu_product_info_block	
format_version	Type: string
length	Type: string
language_code	Type: string
mfg_type	Type: string
mfg_info	Type: string
name_type	Type: string
product_name	Type: string
part_type	Type: string
partnum	Type: string
product_ver_type	Type: string
sw_certification	Type: string

snum_type	Type: string
snum	Type: string
asset_type	Type: string
asset_string	Type: string
fruid_type	Type: string
fruid	Type: string
custom_pinfo	Type: string
partnumrev	Type: string
vid	Type: string
eof_marker	Type: string
csum	Type: string
psu_record_info_block	
record_type	Type: string
record_info	Type: string
record_len	Type: string
record_csum	Type: string
header_csum	Type: string
record_identifier	Type: string
format_ver	Type: string
standby_pwr_budget	Type: string
psu_class	Type: string
psu_watts	Type: string

Command Modes

- /exec

show sprom fex

show sprom fex *i* {**all**| **backplane**| **powersupply** *i1*}

Syntax Description

show	Show running system information
sprom	SPROM Contents
fex	Fex
i	Type: integer min: 100 max: 199 Enter FEX identifier
all	Show all SPROM content on this specific FEX only
backplane	Show backplane SPROM content on this fex
powersupply	Show powersupply SPROM content on this fex only
i1	Type: integer min: 1 max: 2 powersupply module number

Command Modes

- /exec

show sprom fex all

show sprom fex all

Syntax Description

show	Show running system information
sprom	SPROM Contents
fex	Fex
all	Show all SPROM content all FEX

Command Modes

- /exec

show ssh key

show ssh key [**dsa**| **rsa**] [**__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	Show dsa ssh keys
rsa	Show rsa ssh keys
__readonly__	
TABLE_sessions	ssh key
key_type	Type: string keys type
key_time	Type: string timestamp
key_data	Type: string ssh key data
key_bitcount	Type: string bitcount
key_fingerprint	Type: string fingerprint

Command Modes

- /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__	
operation_status	run-time information about ssh
o_status	operational status of ssh server **disabled value: 0** **enabled value: 1**

Command Modes

- /exec

show startup-config

show startup-config

Syntax Description

show	Show running system information
startup-config	Current startup configuration

Command Modes

- /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 Modes

- /exec

show startup-config acllog

show startup-config acllog [all]

Syntax Description

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

Command Modes

- /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	show startup config with defaults

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /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	show startup config with defaults

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /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	show startup config with defaults

Command Modes

- /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 Modes

- /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	show startup config with defaults

Command Modes

- /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 Modes

- /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	show running config with defaults

Command Modes

- /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	show startup config with defaults

Command Modes

- /exec

show startup-config dhcp

show startup-config dhcp [all]

Syntax Description

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

Command Modes

- /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	Display running config with defaults

Command Modes

- /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 Modes

- /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	Display running config with defaults clis

Command Modes

- /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 Modes

- /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

aaa value: 111

Exclude startup configuration of aaa

acllog value: 425

Exclude startup configuration of acllog

aclmgr value: 351

Exclude startup configuration of aclmgr

callhome value: 66

Exclude startup configuration of callhome

cdp value: 946

Exclude startup configuration of cdp

cert-enroll value: 169

Exclude startup configuration of cert-enroll

cfs value: 126

Exclude startup configuration of cfs

cmp value: 389

Exclude startup configuration of cmp

diagnostic value: 367

Exclude startup configuration of diagnostic

eem value: 341

Exclude startup configuration of event manager

license value: 106

Exclude startup configuration of license

monitor value: 174

Exclude startup configuration of SPAN sessions

ntp value: 72

Exclude startup configuration of NTP

radius value: 113

Exclude startup configuration of radius

rpm value: 348

Exclude startup configuration of rpm

security value: 55

Exclude startup configuration of security

track value: 379

Exclude startup configuration of track

vshd value: 37

Exclude startup configuration of vshd

spanning-tree value: 171

Exclude startup configuration of Spanning-tree

ipqos value: 377

Exclude startup configuration of IPQOS

copp value: 407

Exclude startup configuration of Copp

dhcp value: 360

Exclude startup configuration of DHCP

wccp value: 494

Exclude startup configuration of WCCP

l2pt value: 745

Exclude startup configuration of L2PT

echat value: 1045

Exclude running configuration of ECHAT

Command Modes

- /exec

show startup-config fabricpath

show startup-config fabricpath

Syntax Description

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

Command Modes

- /exec

show startup-config fabricpath topology

show startup-config fabricpath topology [all]

Syntax Description

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

Command Modes

- /exec

show startup-config fex

show startup-config fex [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
fex	show startup config of fex
all	Show startup config with defaults

Command Modes

- /exec

show startup-config glbp

show startup-config glbp

Syntax Description

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

Command Modes

- /exec

show startup-config hsrp

show startup-config hsrp

Syntax Description

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

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /exec

show startup-config interface (clic)

show startup-config interface *if0* **[membership]**

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
if0	Type: interface-mrange interface type and number in module/slot format
membership	Show membership information

Command Modes

- /exec

show startup-config interface (clic)

show startup-config interface [*if0*]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
if0	Type: interface-mrange interface type and number in module/slot format

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /exec

show startup-config ipqos

show startup-config ipqos [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
ipqos	show startup config for ipqosmgr
all	show startup config with defaults

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /exec

show startup-config l2pt

show startup-config l2pt [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
l2pt	Show startup configuration for L2PT
all	Show startup configuration for L2PT with defaults

Command Modes

- /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	Display running config with defaults

Command Modes

- /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 Modes

- /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	show startup config with defaults

Command Modes

- /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	show startup config with defaults

Command Modes

- /exec

show startup-config log

show startup-config log

Syntax Description

show	Show running system information
startup-config	Current startup configuration
log	Displays execution log of last used ascii startup configuration

Command Modes

- /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 Modes

- /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	Display running config with defaults clis

Command Modes

- /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	Show all NTP startup configuration

Command Modes

- /exec

show startup-config nv overlay

show startup-config nv overlay [all]

Syntax Description

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

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /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	show running config with defaults

Command Modes

- /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 Modes

- /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	Display running config with defaults clis

Command Modes

- /exec

show startup-config routing multicast

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

Syntax Description

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

Command Modes

- /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	Display startup config with defaults

Command Modes

- /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 Modes

- /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 Modes

- /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	show running config with defaults

Command Modes

- /exec

show startup-config tacacs+

show startup-config "tacacs+"

Syntax Description

show	show startup-cfg
startup-config	show startup system information
tacacs+	Display tacacs configuration

Command Modes

- /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 Modes

- /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 Modes

- /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 Modes

- /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	show startup config with defaults

Command Modes

- /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 Modes

- /exec

show startup-config vlan (clis)

show startup-config vlan

Syntax Description

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

Command Modes

- /exec

show startup-config vlan (clis)

show startup-config vlan *vlan-id*

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands
vlan-id	Type: vlan-mrange VLAN ID 1-3967 or range(s): 1-5, 10 or 2-5,7-19

Command Modes

- /exec

show startup-config vpc

show startup-config vpc [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vpc	show startup config for vPC
all	show running config with defaults

Command Modes

- /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	Type: vrf antipattern: default Configurable VRF name
all	Display running config with defaults clis

Command Modes

- /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	Display running config with defaults clis

Command Modes

- /exec

show startup-config vrrp

show startup-config vrrp

Syntax Description

show	Show system information
startup-config	System startup configuration
vrrp	VRRP startup configuration

Command Modes

- /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 Modes

- /exec

show startup-config vtp

show startup-config vtp [all]

Syntax Description

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

Command Modes

- /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	Virtual Router Context
vrf-name	Type: vrf pattern: [-a-zA-Z0-9_:;$#@]* antipattern: vrf | detail | interface | definition | context | forwarding | member | all | l2-vrf | topology | passive length: 32 VRF name
vrf-known-name	Type: vrf Known VRF name
ALL_VRFS_012345678901234	All VRFs
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

Command Modes

- /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 Modes

- /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__	
content	Type: string Core transfer option

Command Modes

- /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	Type: hex Show description about specific error
__readonly__	
errorid	Type: string
facility	Type: string
desc	Type: string

Command Modes

- /exec

show system exception-info

show system exception-info

Syntax Description

show	Show running system information
system	System-related show commands
exception-info	Show last exception log information

Command Modes

- /exec

show system inband queuing

show system inband queuing {**status**| **statistics**} [**__readonly__** [**TABLE_sys_inband_queue_status** *pm-inband-weigh0 pm-inband-weigh1 pm-inband-weigh2 pm-inband-weigh3 pm-inband-weigh4*] [**TABLE_sys_inband_queue_stats** *inband-pkt-unmap inband-pkt-bpdu-queue inband-pkt-map-q0 inband-pkt-map-q1 inband-pkt-map-q2 inband-pkt-map-q3 klm-pkt-map-bpdu klm-pkt-map-arp klm-pkt-map-q0 klm-pkt-map-q1 klm-pkt-map-q2 klm-pkt-map-q3 klm-pkt-map-veobc queue-name* **TABLE_bpdu_stats** *pm-recv-pkts pm-drop-pkts pm-congested rcvbuf sndbuf pm-no-drop* **TABLE_q_stats** *index-stat i-pm-recv-pkts i-pm-drop-pkts i-pm-congested i-rcvbuf i-sndbuf i-pm-no-drop*]]

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
status	Selective Packet Discard Information
statistics	Inband statistics
__readonly__	
TABLE_sys_inband_queue_status	system inband queue status
pm-inband-weigh0	Type: integer
pm-inband-weigh1	Type: integer
pm-inband-weigh2	Type: integer
pm-inband-weigh3	Type: integer
pm-inband-weigh4	Type: integer
TABLE_sys_inband_queue_stats	system inband queue stats
inband-pkt-unmap	Type: longlong
inband-pkt-bpdu-queue	Type: longlong
inband-pkt-map-q0	Type: longlong
inband-pkt-map-q1	Type: longlong
inband-pkt-map-q2	Type: longlong
inband-pkt-map-q3	Type: longlong

klm-pkt-map-bpdu	Type: longlong
klm-pkt-map-arp	Type: longlong
klm-pkt-map-q0	Type: longlong
klm-pkt-map-q1	Type: longlong
klm-pkt-map-q2	Type: longlong
klm-pkt-map-q3	Type: longlong
klm-pkt-map-veobc	Type: longlong
queue-name	Type: string
TABLE_bpdu_stats	Bpdu statistics
pm-recv-pkts	Type: integer
pm-drop-pkts	Type: integer
pm-congested	Type: integer
rcvbuf	Type: integer
sndbuf	Type: integer
pm-no-drop	Type: integer
TABLE_q_stats	Bpdu Q statistics
index-stat	Type: integer
i-pm-recv-pkts	Type: integer
i-pm-drop-pkts	Type: integer
i-pm-congested	Type: integer
i-rcvbuf	Type: integer
i-sndbuf	Type: integer
i-pm-no-drop	Type: integer

Command Modes

- /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 Modes

- /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	Displays last pss shrink status details
__readonly__	
summary	Type: string PSS shrink summary
TABLE_per_vdc	
vdc_id	Type: string VDC id
TABLE_detail_events	PSS shrink events
service	Type: string Service name
vdc	Type: integer VDC number
event	Type: string PSS evnets
TABLE_events	PSS shrink events
service	Type: string Service name
vdc	Type: integer VDC number

event	Type: string PSS evnets

Command Modes

- /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__	
TABLE_ha_status	HA status for all vdcs
vdc_id	Type: string vdc id
this_sup_internal_state	Type: string This Supervisor State
other_sup_internal_state	Type: string Remote Supervisor State

Command Modes

- /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__	readonly
rdn_mode_admin	Type: string Redundancy Mode Admin
rdn_mode_oper	Type: string Redundancy Mode Operational
this_sup	Type: string This Supervisor
this_sup_rdn_state	Type: string Redundancy State
this_sup_sup_state	Type: string Supervisor State
this_sup_internal_state	Type: string Supervisor State
other_sup	Type: string Other Supervisor
other_sup_sup_state	Type: string Supervisor State
other_sup_rdn_state	Type: string Redundancy tate

other_sup_internal_state	Type: string Supervisor State

Command Modes

- /exec

show system reset-reason (lcmcli)

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	Type: xbar-str Show xbar module reset reason
santa-cruz-range	Type: integer-range please enter the xbar module number
__readonly__	
TABLE_xbarreason	Reset reason info
slot	Type: string slot
TABLE_rr	reset reason
time	Type: string time
reason	Type: string reset reason
service	Type: string service name
version	Type: string version

Command Modes

- /exec

show system reset-reason (lcmcli)

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__	
TABLE_reason	Reset reason info
slot	Type: string slot
TABLE_rr	reset reason
time	Type: string time
reason	Type: string reset reason
service	Type: string service name
version	Type: string version

Command Modes

- /exec

show system reset-reason fex

show system reset-reason fex *i*

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
fex	Show fex last reset reason
i	Type: integer min: 100 max: 199 Enter FEX identifier

Command Modes

- /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	Type: integer-range please enter module number
__readonly__	
TABLE_reason	Reset reason info
slot	Type: string slot
TABLE_rr	reset reason
time	Type: string time
reason	Type: string reset reason
service	Type: string service name
version	Type: string version

Command Modes

- /exec

show system resources (process)

show system resources *i0*

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
i0	Type: integer min: 1 max: 60 time interval in seconds

Command Modes

- /exec

show system resources (process)

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__	
TABLE_cpu_usage	All Cpu Usage Information
load_avg_1min	Type: float Load Average 1 Min
load_avg_5min	Type: float Load Average 5 Min
load_avg_15min	Type: float Load Average 15 Min
processes_total	Type: integer Total processes
processes_running	Type: integer Running Processes
cpu_state_user	Type: float CPU State User
cpu_state_kernel	Type: float CPU State Kernel
cpu_state_idle	Type: float CPU State Idle
cpuid	Type: integer CPU id

user	Type: float user time
kernel	Type: float kernel time
idle	Type: float idle time
memory_usage_total	Type: uinteger Memory Usage Total
memory_usage_used	Type: uinteger Memory Usage Used
memory_usage_free	Type: uinteger Memory Usage Free
current_memory_status	Type: string Current Memory Status

Command Modes

- /exec

show system resources module

show system resources [*i0*] **module** *i1*

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
i0	Type: integer min: 1 max: 60 time interval in seconds
module	Show system resources for specified module
i1	Type: integer min: 1 max: 18 module number

Command Modes

- /exec

show system resources module all

show system resources [*i0*] **module all**

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
i0	Type: integer min: 1 max: 60 time interval in seconds
module	Show system resources for specified module
all	Show system resources for all modules

Command Modes

- /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__	
TABLE_system_routing_mode	the xml system_routing_mode configuration
system-routing-mode-desc	Type: string system routing mode description

Command Modes

- /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 Modes

- /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__	
content	Type: string Displays system standby manual boot option

Command Modes

- /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	Type: uri Enter standby URI
uri1	Type: uri Enter active URI

Command Modes

- /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__	readonly
sys_st_time	Type: string System Start Time
sys_up_days	Type: integer System Uptime Days
sys_up_hrs	Type: integer System Uptime Hours
sys_up_mins	Type: integer System Uptime Minutes
sys_up_secs	Type: integer System Uptime Seconds
kn_up_days	Type: integer Kernel Uptime Days
kn_up_hrs	Type: integer Kernel Uptime Hours
kn_up_mins	Type: integer Kernel Uptime Minutes
kn_up_secs	Type: integer Kernel Uptime Seconds
as_up_days	Type: integer Active Sup Uptime Days

as_up_hrs	Type: integer Active Sup Uptime Hours
as_up_mins	Type: integer Active Sup Uptime Minutes
as_up_secs	Type: integer Active Sup Uptime Seconds

Command Modes

- /exec

show system verify bios

show system verify bios {**flash** *i0* [**module** *module*]| **protection** *i1* [**module1** *module1*]}

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	Type: integer min: 0 max: 1 Select primary or alternate flash
module	Module number
module	Type: integer-range Enter module number
protection	verify bios flash or protection status
i1	Type: integer min: 0 max: 1 Select primary or alternate flash
module1	Module number
module1	Type: integer-range Enter module number

Command Modes

- /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__	Read Only
TABLE_vlan	
current_reserved_vlan_start	Type: uinteger System current running reserved vlan start
current_reserved_vlan_end	Type: uinteger System current running reserved vlan end
future_reserved_vlan_start	Type: uinteger System future running reserved vlan start
future_reserved_vlan_end	Type: uinteger System future running reserved vlan end

Command Modes

- /exec