H Show Commands

show hardware

show hardware [__readonly__ <header_str> <bios_ver_str> [<loader_ver_str>] <kickstart_ver_str> [<sys_ver_str>] <bios_cmpl_time> <kick_file_name> <kick_cmpl_time> <kick_tmstmp> [<isan_file_name>] [<isan_cmpl_time>] [<isan_tmstmp>] <chassis_id> <module_id> <cpu_name> <memory> <mem_type> <proc_board_id> [<host_name>] <bootflash_size> [<slot0_size>] <kern_uptm_days> <kern_uptm_hrs> <kern_uptm_mins> <kern_uptm_secs> <rr_usecs> <rr_ctime> <rr_reason> [<rr_sys_ver>] [<rr_service>] [<manufacturer>] { TABLE_slot [TABLE_slot_info [[<num_slot_str>] [<status_ok_empty>] [[<type> [<num_submods>]] <model_num> <hw_ver> <part_num> <part_revision> <manuf_date> <serial_num> <CLEI_code>]]] }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
__readonly__	(Optional)
header_str	(Optional)
bios_ver_str	(Optional)
loader_ver_str	(Optional)
kickstart_ver_str	(Optional)
sys_ver_str	(Optional)
bios_cmpl_time	(Optional)
kick_file_name	(Optional)
kick_cmpl_time	(Optional)
kick_tmstmp	(Optional)
isan_file_name	(Optional)
isan_cmpl_time	(Optional)
isan_tmstmp	(Optional)
chassis_id	(Optional)
module_id	(Optional)
cpu_name	(Optional)
memory	(Optional)
mem_type	(Optional)
proc_board_id	(Optional)

bootflash_size	(Optional)
slot0_size	(Optional)
host_name	(Optional)
kern_uptm_days	(Optional)
kern_uptm_hrs	(Optional)
kern_uptm_mins	(Optional)
kern_uptm_secs	(Optional)
rr_usecs	(Optional)
rr_ctime	(Optional)
rr_reason	(Optional)
rr_sys_ver	(Optional)
rr_service	(Optional)
manufacturer	(Optional)
TABLE_slot	(Optional) Slot
num_slot_str	(Optional) Number of elements
TABLE_slot_info	(Optional) Slot Info
status_ok_empty	(Optional) Status (Present or Absent)
type	(Optional) Description of the element
num_submods	(Optional) Number of Submodules
model_num	(Optional) Model Number
hw_ver	(Optional) Hardware version
part_num	(Optional) Part Number
part_revision	(Optional) Part revision
manuf_date	(Optional) Manufacturing date
serial_num	(Optional) Serial Number
CLEI_code	(Optional) CLEI code

Command Mode

- /exec

show hardware access-list lou resource threshold

show hardware access-list lou resource threshold [__readonly__ { current [{ lou [{ resource [{ threshold [{ <threshold_value> }] }] }] }] }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
lou	LOU
resource	hardware resource
threshold	port expansion threshold
__readonly__	(Optional)
current	(Optional)
lou	(Optional)
resource	(Optional)
threshold	(Optional)
threshold_value	(Optional)

Command Mode

- /exec

show hardware access-list resource pooling

show hardware access-list resource pooling [__readonly__ <mod-num> <status>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
resource	Hardware resource
pooling	ACL programming across TCAM banks
__readonly__	(Optional)
mod-num	(Optional) module number
status	(Optional) Banchaining status

Command Mode

- /exec

show hardware access-list tcam

show hardware access-list tcam { { template { nfe | nfe2 | l2-l3 | l3 | <name> | all } } | { region } } [__readonly__ { TCAM_Region [{ TABLE_Sizes <type> <tcam_size> <tcam_width> }] }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
tcam	Show tcam parameters
region	Show tcam region sizes
__readonly__	(Optional)
TCAM_Region	(Optional)
TABLE_Sizes	(Optional)
type	(Optional)
tcam_size	(Optional)
tcam_width	(Optional)
template	Specify template name
nfe	NFE (Trident2) TCAM template
nfe2	NFE2 (Tomahawk) tcam template
l2-l3	L2-L3 default tcam template
l3	L3 default tcam template
name	Name of custom template to be displayed
all	Display all custom templates

Command Mode

- /exec

show hardware capacity

show hardware capacity

Syntax Description

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc

Command Mode

- /exec

show hardware capacity eobc

show hardware capacity eobc [__readonly__ { eobc_usage <eobc_rx_packets> <eobc_rx_dropped> <eobc_rx_pps> <eobc_tx_packets> <eobc_tx_dropped> <eobc_tx_pps> }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
eobc	EOBC resources
__readonly__	(Optional)
eobc_usage	(Optional)
eobc_rx_packets	(Optional)
eobc_rx_dropped	(Optional)
eobc_rx_pps	(Optional)
eobc_tx_packets	(Optional)
eobc_tx_dropped	(Optional)
eobc_tx_pps	(Optional)

Command Mode

- /exec

show hardware capacity fabric-utilization

show hardware capacity fabric-utilization

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
capacity	resource inventory and/or usage level
fabric-utilization	Show per module Fabric utilization

Command Mode

- /exec

show hardware capacity forwarding

show hardware capacity forwarding

Syntax Description

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc
forwarding	L2/L3 Forwarding resources

Command Mode

- /exec

show hardware capacity interface

show hardware capacity interface [__readonly__ { TABLE_module_drops <module_drops> <tx_drops> <rx_drops> <max_tx_port> <max_rx_port> } { TABLE_module_buffers <module_buffers> <tx_buffers> <rx_buffers> }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Usage levels
interface	Interface Resources - Tx/Rx drops and Tx/Rx buffers
__readonly__	(Optional) Read Only
module_drops	(Optional) Module number for Tx/Rx drops
TABLE_module_drops	(Optional) show module
tx_drops	(Optional) Tx drops
rx_drops	(Optional) Rx drops
max_tx_port	(Optional) Port with max Tx drops
max_rx_port	(Optional) Port with max Rx drops
module_buffers	(Optional) Module number for Tx/Rx buffers
TABLE_module_buffers	(Optional) show module
tx_buffers	(Optional) Tx buffers
rx_buffers	(Optional) Rx buffers

Command Mode

- /exec

show hardware capacity module

show hardware capacity module [__readonly__ { sup_ha_status <sup_ha_admin_status> <sup_ha_oper_status> <dual_sup_hw_state> <redundancy_state> } { switch_resouces { TABLE_lcinfo <mod_num> <model_num> <part_num> <serial_num> } { TABLE_xbarinfo <mod_num1> <model_num1> <part_num1> <serial_num1> } } { TABLE_flash_nvram_info <mod_num2> <dev_name> <total_bytes> <free_bytes> <percent_used> }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
module	SUP, LC, XBAR
__readonly__	(Optional)
sup_ha_status	(Optional)
sup_ha_admin_status	(Optional)
sup_ha_oper_status	(Optional)
dual_sup_hw_state	(Optional)
redundancy_state	(Optional)
switch_resouces	(Optional)
TABLE_lcinfo	(Optional)
mod_num	(Optional)
model_num	(Optional)
part_num	(Optional)
serial_num	(Optional)
TABLE_xbarinfo	(Optional)
mod_num1	(Optional)
model_num1	(Optional)
part_num1	(Optional)
serial_num1	(Optional)
TABLE_flash_nvram_info	(Optional)

mod_num2	(Optional)
dev_name	(Optional)
total_bytes	(Optional)
free_bytes	(Optional)
percent_used	(Optional)

Command Mode

- /exec

show hardware capacity power

show hardware capacity power [__readonly__ { power_summary <ps_redun_mode_admin> <ps_redun_mode_oper> <power_total> <power_rsvd> <power_rsvd_percent> <power_given_mod> <power_given_mod_percent> <power_avail> <power_avail_percent> <power_out_actual_draw> <power_input_actual_draw> }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
power	power summary
__readonly__	(Optional)
power_summary	(Optional)
ps_redun_mode_admin	(Optional) Mode: Redundant or Non-redundant
ps_redun_mode_oper	(Optional) Mode: Redundant or Non-redundant
power_total	(Optional)
power_rsvd	(Optional)
power_rsvd_percent	(Optional)
power_given_mod	(Optional)
power_given_mod_percent	(Optional)
power_avail	(Optional)
power_avail_percent	(Optional)
power_out_actual_draw	(Optional) Total Power Output, Actuals
power_input_actual_draw	(Optional) Total Power Input, Actuals

Command Mode

- /exec

show hardware fabricpath mac-learning module

show hardware fabricpath mac-learning module <module> [__readonly__ { [{ TABLE_module <module_num> <port_group> <mac_learning> }] }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
fabricpath	Fabric Path
mac-learning	MAC Learning
module	Specify a module number
module	Specify a module number
__readonly__	(Optional)
TABLE_module	(Optional)
module_num	(Optional) Specify a module number
port_group	(Optional)
mac_learning	(Optional)

Command Mode

- /exec

show hardware feature-capability

show hardware feature-capability [detailed] [__readonly__ [TABLE_feature_support <feature_name> [TABLE_module_support <mod_inst> <support>]]]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
feature-capability	show registered features supported
detailed	(Optional) detailed
__readonly__	(Optional)
TABLE_feature_support	(Optional) show features supported
feature_name	(Optional) feature name
TABLE_module_support	(Optional) show registered features supported
mod_inst	(Optional) module instance
support	(Optional) support details

Command Mode

- /exec

show hardware flow aging

show hardware flow aging [instance <inst>] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
aging	Aging Info
instance	(Optional) Instance
inst	(Optional) Earl Instance
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow entry address type

show hardware flow entry address <addr> type { ip | ipv6 | l2 | mpls } [instance <inst>] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
entry	Netflow Table Entry
address	Netflow Table Address
addr	Netflow Table Address
type	Flow Type
ip	Internet Protocol Version 4
ipv6	Internet Protocol Version 6
l2	Layer 2 Protocol
mpls	MPLS Protocol
instance	(Optional) Instance
inst	(Optional) Earl Instance
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow ip

show hardware flow ip [{ { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ip	Internet Protocol Version 4
monitor	(Optional) Netflow Flow Monitor
mname	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
interface	(Optional) Interface Name
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow ipmac

show hardware flow ipmac [{ { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ipmac	IPv4+MAC
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
interface	(Optional) Interface Name
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow ipv6

show hardware flow ipv6 [{ { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ipv6	Internet Protocol Version 6
monitor	(Optional) Netflow Flow Monitor
mname	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
interface	(Optional) Interface Name
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow l2

show hardware flow l2 [{ { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
l2	Layer 2 Protocol
monitor	(Optional) Netflow Flow Monitor
mname	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow mpls

show hardware flow mpls [{ { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
mpls	MPLS Protocol
monitor	(Optional) Netflow Flow Monitor
mname	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
interface	(Optional) Interface Name
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow sampler

show hardware flow sampler { all | count | index <index> | name <sname> } [detail] [instance <inst>] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
sampler	Flow Sampler
all	Netflow Sampler Usage
count	Netflow Sampler Utilization
index	Netflow Sampler Index
index	Netflow Sampler Index
name	Netflow Sampler Name
sname	Netflow Sampler Name
detail	(Optional) Detailed Output Display
instance	(Optional) Instance
inst	(Optional) Clipper Instance
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow utilization

show hardware flow utilization [instance <inst>] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
utilization	NT Table Utilization
instance	(Optional) Instance
inst	(Optional) Earl Instance
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware forwarding interface statistics mode

show hardware forwarding interface statistics mode [__readonly__ { system [{ <sysmode> }] [{ TABLE_module <module> <modmode> }] }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	Show hardware information for forwarding path
interface	Interface
statistics	Statistics
mode	Statistics mode
__readonly__	(Optional)
system	(Optional)
sysmode	(Optional)
TABLE_module	(Optional)
module	(Optional) Specify a module number
modmode	(Optional)

Command Mode

- /exec

show hardware forwarding memory health detail

show hardware forwarding memory health detail

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
detail	show the detail

Command Mode

- /exec

show hardware forwarding memory health summary

show hardware forwarding memory health summary

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
summary	show the summary

Command Mode

- /exec

show hardware internal access-list lookup interface input expanded

show hardware internal access-list lookup { { { { src-ip <sa-ip> dst-ip <da-ip> } | { src-ipv6 <v6sa> dst-ipv6 <v6da> } } protocol <proto> l4-src-port <sport> l4-dst-port <dport> [vlan <vlan_val>] } | { src-mac <macsa> dst-mac <macda> [etype <ethertype>] } } interface <ifname> { input | output } { expanded | summary } [instance <inst>] [module <num>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Hardware information
internal	Commands for internal use
access-list	Access Control List
lookup	Do a lookup
src-ip	Source IP
sa-ip	IP address
dst-ip	Destination IP
da-ip	IP address
src-ipv6	IPv6 Source Address
dst-ipv6	IPv6 Destination Address
src-mac	Source MAC address
macsa	Source MAC address
dst-mac	Destination MAC Address
macda	Destination MAC Address
etype	(Optional) Ether type
ethertype	(Optional) Ether type
protocol	L4 protocol
proto	L4 protocol Value
l4-src-port	L4 Source port
sport	L4 Dest port value
l4-dst-port	L4 Source port

dport	L4 Dest port value
interface	interface name
ifname	display access list for the interface
vlan	(Optional) vlan for L2 Trunk Ports
vlan_val	(Optional) Vlan value
input	Input/ingress direction
output	Output/egress direction
expanded	Detailed view
summary	Brief view
instance	(Optional) ASIC Instance Number
inst	(Optional) ASIC Instance Number in Hex
module	(Optional) Slot/module
num	(Optional) Slot/module number

Command Mode

- /exec

show hardware internal bootflash model

show hardware internal bootflash model

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
bootflash	Show bootflash related information
model	Show bootflash model name

Command Mode

- /exec

show hardware internal buffer info pkt-stats

show hardware internal buffer info pkt-stats [module <module>] [instance <instance>] [brief | { [peak] [detail] } | port-stuck-log [[asic-port <port>]] | port-log [[asic-port <port>]] | threshold] [carving] [cpu] [__readonly__ { TABLE_instance <instance> <port_logs> <port_stuck_logs> <cpu_start> <cpu> <cpu_xpe_a> <cpu_xpe_b> <port_threshold> <supports_8q> <total_instant_usage_1> <rem_instant_usage_1> <max_cell_usage_1> <switch_cell_count_1> <total_instant_usage_2> <rem_instant_usage_2> <max_cell_usage_2> <switch_cell_count_2> <total_instant_usage_3> <rem_instant_usage_3> <max_cell_usage_3> <switch_cell_count_3> <total_instant_usage_4> <rem_instant_usage_4> <max_cell_usage_4> <switch_cell_count_4> <switch_cell_count_4_detail> <xpe_r_a_instant_usage_1> <xpe_r_b_instant_usage_1> <xpe_s_a_instant_usage_1> <xpe_s_b_instant_usage_1> <xpe_r_a_instant_usage_4> <xpe_r_b_instant_usage_4> <xpe_s_a_instant_usage_4> <xpe_s_b_instant_usage_4> <xpe_r_a_rem_instant_usage_1> <xpe_r_b_rem_instant_usage_1> <xpe_s_a_rem_instant_usage_1> <xpe_s_b_rem_instant_usage_1> <xpe_r_a_rem_instant_usage_4> <xpe_r_b_rem_instant_usage_4> <xpe_s_a_rem_instant_usage_4> <xpe_s_b_rem_instant_usage_4> <xpe_r_a_max_cell_usage_1> <xpe_r_b_max_cell_usage_1> <xpe_s_a_max_cell_usage_1> <xpe_s_b_max_cell_usage_1> <xpe_r_a_max_cell_usage_4> <xpe_r_b_max_cell_usage_4> <xpe_s_a_max_cell_usage_4> <xpe_s_b_max_cell_usage_4> <xpe_r_a_switch_cell_count_1> <xpe_r_b_switch_cell_count_1> <xpe_s_a_switch_cell_count_1> <xpe_s_b_switch_cell_count_1> <xpe_r_a_switch_cell_count_4> <xpe_r_b_switch_cell_count_4> <xpe_s_a_switch_cell_count_4> <xpe_s_b_switch_cell_count_4> { TABLE_interface <stats_start> <peak_stats_start> <front_port> <ucast_count_1> <ucast_count_2> <ucast_count_3> <ucast_count_4> <ucast_count_5> <ucast_count_6> <ucast_count_7> <ucast_count_8> <ucast_count_9> <ucast_count_10> <xpe_a_ucast_count_1> <xpe_b_ucast_count_1> <xpe_ucast_count_2> <xpe_ucast_count_3> <xpe_ucast_count_4> <xpe_ucast_count_5> <xpe_ucast_count_6> <xpe_ucast_count_7> <xpe_ucast_count_8> <xpe_ucast_count_9> <xpe_ucast_count_10> <mcast_count_1> <mcast_count_2> <mcast_count_3> <mcast_count_4> <mcast_count_5> <mcast_count_6> <mcast_count_7> <mcast_count_8> <mcast_count_9> <mcast_count_10> <xpe_a_mcast_count_1> <xpe_b_mcast_count_1> <xpe_mcast_count_2> <xpe_mcast_count_3> <xpe_mcast_count_4> <xpe_mcast_count_5> <xpe_mcast_count_6> <xpe_mcast_count_7> <xpe_mcast_count_8> <xpe_mcast_count_9> <xpe_mcast_count_10> } }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
buffer	System buffer information
info	Buffer specific information
pkt-stats	Per port - Per Queue stats information
module	(Optional) Slot/module
module	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
instance	(Optional) ASIC Instance Number in Decimal

brief	(Optional) Show only system buffer stats
detail	(Optional) Show detailed statistics
peak	(Optional) Show peak buffer usage statistics
port-log	(Optional) Show cell usage threshold port log
port-stuck-log	(Optional) Show port stuck monitor log
asic-port	(Optional) Select a hardware/asic port
port	(Optional) Hardware asic port number
threshold	(Optional) Show per port buffer threshold
carving	(Optional) Buffer Carving information
cpu	(Optional) CPU Queue stats information
__readonly__	(Optional) Read Only
TABLE_instance	(Optional) Instance
instance	(Optional) Asic Instance
supports_8q	(Optional) Supports 8 user qos-groups
port_logs	(Optional) Port-Log
port_stuck_logs	(Optional) Port-Stuck-Log
cpu_start	(Optional) Header Display for instant cell usage for CPU port queues
cpu	(Optional) CPU
cpu_xpe_a	(Optional) CPU_XPE_A
cpu_xpe_b	(Optional) CPU_XPE_B
port_threshold	(Optional) Port-Threshold
total_instant_usage_1	(Optional) Total Instant Usage for service pool 1
rem_instant_usage_1	(Optional) Remaining Instant Usage for service pool 1
max_cell_usage_1	(Optional) Max Cell Usage for service pool 1
switch_cell_count_1	(Optional) Switch Cell Count for service pool 1
total_instant_usage_2	(Optional) Total Instant Usage for service pool 2
rem_instant_usage_2	(Optional) Remaining Instant Usage for service pool 2
max_cell_usage_2	(Optional) Max Cell Usage for service pool 2
switch_cell_count_2	(Optional) Switch Cell Count for service pool 2

total_instant_usage_3	(Optional) Total Instant Usage for service pool 3
rem_instant_usage_3	(Optional) Remaining Instant Usage for service pool 3
max_cell_usage_3	(Optional) Max Cell Usage for service pool 3
switch_cell_count_3	(Optional) Switch Cell Count for service pool 3
total_instant_usage_4	(Optional) Total Instant Usage for service pool 4
rem_instant_usage_4	(Optional) Remaining Instant Usage for service pool 4
max_cell_usage_4	(Optional) Max Cell Usage for service pool 4
switch_cell_count_4	(Optional) Switch Cell Count for service pool 4
switch_cell_count_4_detail	(Optional) Switch Cell Count for service pool 4
xpe_r_a_instant_usage_1	(Optional) Slice-R, XPE-A Instant Usage for service pool 1
xpe_r_b_instant_usage_1	(Optional) Slice-R, XPE-B Instant Usage for service pool 1
xpe_s_a_instant_usage_1	(Optional) Slice-S, XPE-A Instant Usage for service pool 1
xpe_s_b_instant_usage_1	(Optional) Slice-S, XPE-B Instant Usage for service pool 1
xpe_r_a_instant_usage_4	(Optional) Slice-R, XPE-A Instant Usage for service pool 4
xpe_r_b_instant_usage_4	(Optional) Slice-R, XPE-B Instant Usage for service pool 4
xpe_s_a_instant_usage_4	(Optional) Slice-S, XPE-A Instant Usage for service pool 4
xpe_s_b_instant_usage_4	(Optional) Slice-S, XPE-B Instant Usage for service pool 4
xpe_r_a_rem_instant_usage_1	(Optional) Slice-R, XPE-A Remaining Instant Usage for service pool 1
xpe_r_b_rem_instant_usage_1	(Optional) Slice-R, XPE-B Remaining Instant Usage for service pool 1
xpe_s_a_rem_instant_usage_1	(Optional) Slice-S, XPE-A Remaining Instant Usage for service pool 1
xpe_s_b_rem_instant_usage_1	(Optional) Slice-S, XPE-B Remaining Instant Usage for service pool 1
xpe_r_a_rem_instant_usage_4	(Optional) Slice-R, XPE-A Remaining Instant Usage for service pool 4
xpe_r_b_rem_instant_usage_4	(Optional) Slice-R, XPE-B Remaining Instant Usage for service pool 4
xpe_s_a_rem_instant_usage_4	(Optional) Slice-S, XPE-A Remaining Instant Usage for service pool 4

xpe_s_b_rem_instant_usage_4	(Optional) Slice-S, XPE-B Remaining Instant Usage for service pool 4
xpe_r_a_max_cell_usage_1	(Optional) Max Cell Usage for service pool 1
xpe_r_b_max_cell_usage_1	(Optional) Max Cell Usage for service pool 1
xpe_s_a_max_cell_usage_1	(Optional) Max Cell Usage for service pool 1
xpe_s_b_max_cell_usage_1	(Optional) Max Cell Usage for service pool 1
xpe_r_a_max_cell_usage_4	(Optional) Max Cell Usage for service pool 4
xpe_r_b_max_cell_usage_4	(Optional) Max Cell Usage for service pool 4
xpe_s_a_max_cell_usage_4	(Optional) Max Cell Usage for service pool 4
xpe_s_b_max_cell_usage_4	(Optional) Max Cell Usage for service pool 4
xpe_r_a_switch_cell_count_1	(Optional) Switch Cell Count for service pool 1
xpe_r_b_switch_cell_count_1	(Optional) Switch Cell Count for service pool 1
xpe_s_a_switch_cell_count_1	(Optional) Switch Cell Count for service pool 1
xpe_s_b_switch_cell_count_1	(Optional) Switch Cell Count for service pool 1
xpe_r_a_switch_cell_count_4	(Optional) Switch Cell Count for service pool 4
xpe_r_b_switch_cell_count_4	(Optional) Switch Cell Count for service pool 4
xpe_s_a_switch_cell_count_4	(Optional) Switch Cell Count for service pool 4
xpe_s_b_switch_cell_count_4	(Optional) Switch Cell Count for service pool 4
TABLE_interface	(Optional) Interface
stats_start	(Optional) Header Display for instant stats
peak_stats_start	(Optional) Header Display for peak stats
front_port	(Optional) Front Port
ucast_count_1	(Optional) Unicast Count Queue 1
ucast_count_2	(Optional) Unicast Count Queue 2
ucast_count_3	(Optional) Unicast Count Queue 3
ucast_count_4	(Optional) Unicast Count Queue 4
ucast_count_5	(Optional) Unicast Count Queue 5
ucast_count_6	(Optional) Unicast Count Queue 6
ucast_count_7	(Optional) Unicast Count Queue 7

ucast_count_8	(Optional) Unicast Count Queue 8
ucast_count_9	(Optional) Unicast Count Queue 9
ucast_count_10	(Optional) Unicast Count Queue 10
xpe_a_ucast_count_1	(Optional) xpe_a Unicast Count Queue 1
xpe_b_ucast_count_1	(Optional) xpe_b_Unicast Count Queue 1
xpe_ucast_count_2	(Optional) Unicast Count Queue 2
xpe_ucast_count_3	(Optional) Unicast Count Queue 3
xpe_ucast_count_4	(Optional) Unicast Count Queue 4
xpe_ucast_count_5	(Optional) Unicast Count Queue 5
xpe_ucast_count_6	(Optional) Unicast Count Queue 6
xpe_ucast_count_7	(Optional) Unicast Count Queue 7
xpe_ucast_count_8	(Optional) Unicast Count Queue 8
xpe_ucast_count_9	(Optional) Unicast Count Queue 9
xpe_ucast_count_10	(Optional) Unicast Count Queue 10
mcast_count_1	(Optional) Multicast Count Queue 1
mcast_count_2	(Optional) Multicast Count Queue 2
mcast_count_3	(Optional) Multicast Count Queue 3
mcast_count_4	(Optional) Multicast Count Queue 4
mcast_count_5	(Optional) Multicast Count Queue 5
mcast_count_6	(Optional) Multicast Count Queue 6
mcast_count_7	(Optional) Multicast Count Queue 7
mcast_count_8	(Optional) Multicast Count Queue 8
mcast_count_9	(Optional) Multicast Count Queue 9
mcast_count_10	(Optional) Multicast Count Queue 10
xpe_a_mcast_count_1	(Optional) Multicast Count Queue 1
xpe_b_mcast_count_1	(Optional) Multicast Count Queue 1
xpe_mcast_count_2	(Optional) Multicast Count Queue 2
xpe_mcast_count_3	(Optional) Multicast Count Queue 3
xpe_mcast_count_4	(Optional) Multicast Count Queue 4

xpe_mcast_count_5	(Optional) Multicast Count Queue 5
xpe_mcast_count_6	(Optional) Multicast Count Queue 6
xpe_mcast_count_7	(Optional) Multicast Count Queue 7
xpe_mcast_count_8	(Optional) Multicast Count Queue 8
xpe_mcast_count_9	(Optional) Multicast Count Queue 9
xpe_mcast_count_10	(Optional) Multicast Count Queue 10

Command Mode

- /exec

show hardware internal buffer info pkt-stats input

show hardware internal buffer info pkt-stats input [module <module>] [instance <instance>] [peak] [detail] [__readonly__ { TABLE_instance <instance> <total_instant_usage_0> <rem_instant_usage_0> <max_cell_usage_0> <switch_cell_count_0> <hdrm_pool_count_0> <hdrm_pool_peak_count_0> <sp_count_1> <sp_count_2> <sp_count_3> <xpe_r_a_total_instant_usage_0> <xpe_r_a_rem_instant_usage_0> <xpe_r_a_max_cell_usage_0> <xpe_r_a_switch_cell_count_0> <xpe_r_a_hdrm_pool_count_0> <xpe_r_a_hdrm_pool_peak_count_0> <xpe_s_b_hdrm_pool_peak_count_0> <sp0_xpe_r_b_count> <sp0_xpe_s_a_count> <sp0_xpe_s_b_count> <sp3_xpe_r_a_count> <sp3_xpe_r_b_count> <sp3_xpe_s_a_count> <sp3_xpe_s_b_count> { TABLE_interface <stats_start> <peak_stats_start> <front_port> <front_port_slice_r> <front_port_slice_s> <pg_min_count_0> <pg_shared_count_0> <pg_hdrm_count_0> <pg_glb_hdrm_count_0> <pg_shared_peak_count_0> <pg_hdrm_peak_count_0> <pg_count_1> <pg_count_2> <pg_count_3> <pg_count_4> <pg_count_5> <pg_count_6> <pg_count_7> <sp_usage_min> <sp_usage_shared> <sp_usage_peak> } }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
buffer	System buffer information
info	Buffer specific information
pkt-stats	Per Port - Per PG stats information
input	Input Per port - Per PG buffer stats information
module	(Optional) Slot/module
module	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
instance	(Optional) ASIC Instance Number in Decimal
detail	(Optional) Show detailed statistics
peak	(Optional) Show peak buffer usage statistics
__readonly__	(Optional) Read Only
TABLE_instance	(Optional) Instance
instance	(Optional) Asic Instance
total_instant_usage_0	(Optional) Total Instant Usage
rem_instant_usage_0	(Optional) Remaining Instant Usage
max_cell_usage_0	(Optional) Max Cell Usage

switch_cell_count_0	(Optional) Switch Cell Count
hdrm_pool_count_0	(Optional) Hdrm pool Count
hdrm_pool_peak_count_0	(Optional) Hdrm pool peak_Count
sp_count_1	(Optional) Service Pool 1 count
sp_count_2	(Optional) Service Pool 2 count
sp_count_3	(Optional) Service Pool 3 count
xpe_r_a_total_instant_usage_0	(Optional) Total Instant Usage
xpe_r_a_rem_instant_usage_0	(Optional) Remaining Instant Usage
xpe_r_a_max_cell_usage_0	(Optional) Max Cell Usage
xpe_r_a_switch_cell_count_0	(Optional) Switch Cell Count
xpe_r_a_hdrm_pool_count_0	(Optional) Hdrm pool Count
xpe_r_a_hdrm_pool_peak_count_0	(Optional) Hdrm pool peak_Count
xpe_s_b_hdrm_pool_peak_count_0	(Optional) Hdrm pool peak_Count
sp0_xpe_r_b_count	(Optional) XPE_R_B_Service Pool 0 count
sp0_xpe_s_a_count	(Optional) XPE_S_A_Service Pool 0 count
sp0_xpe_s_b_count	(Optional) XPE_S_B_Service Pool 0 count
sp3_xpe_r_a_count	(Optional) XPE_R_A_Service Pool 3 count
sp3_xpe_r_b_count	(Optional) XPE_R B_Service Pool 3 count
sp3_xpe_s_a_count	(Optional) XPE_S_A_Service Pool 3 count
sp3_xpe_s_b_count	(Optional) XPE_S_B_Service Pool 3 count
TABLE_interface	(Optional) Interface
stats_start	(Optional) Header Display
peak_stats_start	(Optional) Peak Header Display
front_port	(Optional) Front Port
front_port_slice_r	(Optional) Front Port_slice_r
front_port_slice_s	(Optional) Front Port_slice_s
pg_min_count_0	(Optional) Priority Group 0 min count
pg_shared_count_0	(Optional) Priority Group 0 shared count
pg_hdrm_count_0	(Optional) Priority Group 0 headroom count

pg_glb_hdrm_count_0	(Optional) Priority Group 0 global headroom count
pg_shared_peak_count_0	(Optional) Priority Group 0 shared peak count
pg_hdrm_peak_count_0	(Optional) Priority Group 0 headroom peak count
pg_count_1	(Optional) Priority Group 1 count
pg_count_2	(Optional) Priority Group 2 count
pg_count_3	(Optional) Priority Group 3 count
pg_count_4	(Optional) Priority Group 4 count
pg_count_5	(Optional) Priority Group 5 count
pg_count_6	(Optional) Priority Group 6 count
pg_count_7	(Optional) Priority Group 7 count
sp_usage_min	(Optional) Service pool min count
sp_usage_shared	(Optional) Service pool shared count
sp_usage_peak	(Optional) Service pool peak count

Command Mode

- /exec

show hardware internal buffer info tah-pkt-stats

show hardware internal buffer info tah-pkt-stats [input] [module <module>] [instance <instance>] [port <port>] [subport <subport>] [brief | detail | peak] [__readonly__ { TABLE_ingress_buf <instance> <inst_total_cell> <inst_used_cell> <inst_free_cell> { TABLE_ingress_buf_per_inst <port> <subport> <qos0_instant_usage> <qos1_instant_usage> <qos2_instant_usage> <qos3_instant_usage> <qos4_instant_usage> <qos5_instant_usage> <qos6_instant_usage> <qos7_instant_usage> <port_instant_usage> <port_remain_usage> <port_peak_usage> } } { TABLE_instance <instance> <supports_8q> <total_instant_usage_drop_pg> <rem_instant_usage_drop_pg> <max_cell_usage_drop_pg> <switch_cell_count_drop_pg> <total_instant_usage_no_drop_pg> <rem_instant_usage_no_drop_pg> <max_cell_usage_no_drop_pg> <switch_cell_count_no_drop_pg> <total_instant_usage_cpu_pg> <rem_instant_usage_cpu_pg> <max_cell_usage_cpu_pg> <switch_cell_count_cpu_pg> <total_instant_usage_lcpu_pg> <rem_instant_usage_lcpu_pg> <max_cell_usage_lcpu_pg> <switch_cell_count_lcpu_pg> <total_instant_usage_rcpu_pg> <rem_instant_usage_rcpu_pg> <max_cell_usage_rcpu_pg> <switch_cell_count_rcpu_pg> <total_instant_usage_span_pg> <rem_instant_usage_span_pg> <max_cell_usage_span_pg> <switch_cell_count_span_pg> <total_instant_desc_usage_drop_pg> <rem_instant_desc_usage_drop_pg> <switch_desc_count_drop_pg> <total_instant_desc_usage_no_drop_pg> <rem_instant_desc_usage_no_drop_pg> <switch_desc_count_no_drop_pg> <total_instant_desc_usage_cpu_pg> <rem_instant_desc_usage_cpu_pg> <switch_desc_count_cpu_pg> <total_instant_desc_usage_lcpu_pg> <rem_instant_desc_usage_lcpu_pg> <switch_desc_count_lcpu_pg> <total_instant_desc_usage_rcpu_pg> <rem_instant_desc_usage_rcpu_pg> <switch_desc_count_rcpu_pg> <total_instant_desc_usage_span_pg> <rem_instant_desc_usage_span_pg> <switch_desc_count_span_pg> <ucpool_instant_usage_0> <ucpool_instant_desc_usage_0> <ucpool_max_cell_usage_0> <ucpool_instant_usage_1> <ucpool_instant_desc_usage_1> <ucpool_max_cell_usage_1> <ucpool_instant_usage_2> <ucpool_instant_desc_usage_2> <ucpool_max_cell_usage_2> <ucpool_instant_usage_3> <ucpool_instant_desc_usage_3> <ucpool_max_cell_usage_3> <ucpool_instant_usage_4> <ucpool_instant_desc_usage_4> <ucpool_max_cell_usage_4> <ucpool_instant_usage_5> <ucpool_instant_desc_usage_5> <ucpool_max_cell_usage_5> <ucpool_instant_usage_6> <ucpool_instant_desc_usage_6> <ucpool_max_cell_usage_6> <ucpool_instant_usage_7> <ucpool_instant_desc_usage_7> <ucpool_max_cell_usage_7> <mcpool_instant_usage_0> <mcpool_instant_desc_usage_0> <mcpool_instant_inq_usage_0> <mcpool_instant_pkts_usage_0> <mcpool_max_cell_usage_0> <mcpool_instant_usage_1> <mcpool_instant_desc_usage_1> <mcpool_instant_inq_usage_1> <mcpool_instant_pkts_usage_1> <mcpool_max_cell_usage_1> <mcpool_instant_usage_2> <mcpool_instant_desc_usage_2> <mcpool_instant_inq_usage_2> <mcpool_instant_pkts_usage_2> <mcpool_max_cell_usage_2> <mcpool_instant_usage_3> <mcpool_instant_desc_usage_3> <mcpool_instant_inq_usage_3> <mcpool_instant_pkts_usage_3> <mcpool_max_cell_usage_3> <mcpool_instant_usage_4> <mcpool_instant_desc_usage_4> <mcpool_instant_inq_usage_4> <mcpool_instant_pkts_usage_4> <mcpool_max_cell_usage_4> <mcpool_instant_usage_5> <mcpool_instant_desc_usage_5> <mcpool_instant_inq_usage_5> <mcpool_instant_pkts_usage_5> <mcpool_max_cell_usage_5> <mcpool_instant_usage_6> <mcpool_instant_desc_usage_6> <mcpool_instant_inq_usage_6> <mcpool_instant_pkts_usage_6> <mcpool_max_cell_usage_6> <mcpool_instant_usage_7> <mcpool_instant_desc_usage_7> <mcpool_instant_inq_usage_7> <mcpool_instant_pkts_usage_7> <mcpool_max_cell_usage_7> { TABLE_detail <egr_port> <port_uc_cells_q0> <port_mc_cells_q0> <port_mc_desc_q0> <port_uc_cells_q1> <port_mc_cells_q1> <port_mc_desc_q1> <port_uc_cells_q2> <port_mc_cells_q2> <port_mc_desc_q2> <port_uc_cells_q3> <port_mc_cells_q3> <port_mc_desc_q3> <port_uc_cells_q4> <port_mc_cells_q4> <port_mc_desc_q4> <port_uc_cells_q5> <port_mc_cells_q5> <port_mc_desc_q5> <port_uc_cells_q6> <port_mc_cells_q6> <port_mc_desc_q6> <port_uc_cells_q7> <port_mc_cells_q7> <port_mc_desc_q7> } { TABLE_peak <peak_drop_pg> <peak_no_drop_pg> <peak_mc_pool_0> <peak_mc_pool_1> <peak_mc_pool_2>

<peak_mc_pool_3> <peak_mc_pool_4> <peak_mc_pool_5> <peak_mc_pool_6> <peak_mc_pool_7> <peak_uc_pool_0> <peak_uc_pool_1> <peak_uc_pool_2> <peak_uc_pool_3> <peak_uc_pool_4> <peak_uc_pool_5> <peak_uc_pool_6> <peak_uc_pool_7> <oport> <count_0> <count_1> } }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
buffer	System buffer information
info	Buffer specific information
tah-pkt-stats	Per port - Per Queue stats information
input	(Optional) Input buffer stats
module	(Optional) Slot/module
module	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
instance	(Optional) ASIC Instance Number in Decimal
port	(Optional) Front port
port	(Optional) Front port number
subport	(Optional) Breakout sub port
subport	(Optional) Breakout sub port number
brief	(Optional) Show only system buffer stats
detail	(Optional) Show detailed system buffer stats
peak	(Optional) Show peak buffer stats
__readonly__	(Optional) Read Only
TABLE_ingress_buf	(Optional) Ingress Buffer Info
instance	(Optional) Asic Instance
inst_total_cell	(Optional) instane total cell allocated
inst_used_cell	(Optional) instance instant cell usage
inst_free_cell	(Optional) instance instant cell remaining
TABLE_ingress_buf_per_inst	(Optional) Per Instance Ingress Buffer Info
port	(Optional) Front port

subport	(Optional) Front breakout subport
qos0_instant_usage	(Optional) qos0 instant cell usage
qos1_instant_usage	(Optional) qos1 instant cell usage
qos2_instant_usage	(Optional) qos2 instant cell usage
qos3_instant_usage	(Optional) qos3 instant cell usage
qos4_instant_usage	(Optional) qos4 instant cell usage
qos5_instant_usage	(Optional) qos5 instant cell usage
qos6_instant_usage	(Optional) qos6 instant cell usage
qos7_instant_usage	(Optional) qos7 instant cell usage
port_instant_usage	(Optional) port instant cell usage
port_remain_usage	(Optional) port remain cell usage
port_peak_usage	(Optional) port peak cell usage
TABLE_instance	(Optional) Instance
instance	(Optional) Asic Instance
supports_8q	(Optional) Supports 8 user qos-groups
total_instant_usage_drop_pg	(Optional) Total Instant Usage for drop pool-group
rem_instant_usage_drop_pg	(Optional) Remaining Instant Usage for drop pool-group
max_cell_usage_drop_pg	(Optional) Max Cell Usage for drop pool-group
switch_cell_count_drop_pg	(Optional) Switch Cell Count for drop pool-group
total_instant_usage_no_drop_pg	(Optional) Total Instant Usage for no-drop pool-group
rem_instant_usage_no_drop_pg	(Optional) Remaining Instant Usage for no-drop pool-group
max_cell_usage_no_drop_pg	(Optional) Max Cell Usage for no-drop pool-group
switch_cell_count_no_drop_pg	(Optional) Switch Cell Count for no-drop pool-group
total_instant_usage_cpu_pg	(Optional) Total Instant Usage for cpu pool-group
rem_instant_usage_cpu_pg	(Optional) Remaining Instant Usage for cpu pool-group
max_cell_usage_cpu_pg	(Optional) Max Cell Usage for cpu pool-group
switch_cell_count_cpu_pg	(Optional) Switch Cell Count for cpu pool-group
total_instant_usage_lcpu_pg	(Optional) Total Instant Usage for lcpu pool-group
rem_instant_usage_lcpu_pg	(Optional) Remaining Instant Usage for lcpu pool-group

max_cell_usage_lcpu_pg	(Optional) Max Cell Usage for lcpu pool-group
switch_cell_count_lcpu_pg	(Optional) Switch Cell Count for lcpu pool-group
total_instant_usage_rcpu_pg	(Optional) Total Instant Usage for rcpu pool-group
rem_instant_usage_rcpu_pg	(Optional) Remaining Instant Usage for rcpu pool-group
max_cell_usage_rcpu_pg	(Optional) Max Cell Usage for rcpu pool-group
switch_cell_count_rcpu_pg	(Optional) Switch Cell Count for rcpu pool-group
total_instant_usage_span_pg	(Optional) Total Instant Usage for span pool-group
rem_instant_usage_span_pg	(Optional) Remaining Instant Usage for span pool-group
max_cell_usage_span_pg	(Optional) Max Cell Usage for span pool-group
switch_cell_count_span_pg	(Optional) Switch Cell Count for span pool-group
total_instant_desc_usage_drop_pg	(Optional) Total Instant Desc Usage for drop pool-group
rem_instant_desc_usage_drop_pg	(Optional) Remaining Instant Desc Usage for drop pool-group
switch_desc_count_drop_pg	(Optional) Switch Desc Count for drop pool-group
total_instant_desc_usage_no_drop_pg	(Optional) Total Instant Desc Usage for no-drop pool-group
rem_instant_desc_usage_no_drop_pg	(Optional) Remaining Instant Desc Usage for no-drop pool-group
switch_desc_count_no_drop_pg	(Optional) Switch Desc Count for no-drop pool-group
total_instant_desc_usage_cpu_pg	(Optional) Total Instant Desc Usage for cpu pool-group
rem_instant_desc_usage_cpu_pg	(Optional) Remaining Instant Desc Usage for cpu pool-group
switch_desc_count_cpu_pg	(Optional) Switch Desc Count for cpu pool-group
total_instant_desc_usage_lcpu_pg	(Optional) Total Instant Desc Usage for lcpu pool-group
rem_instant_desc_usage_lcpu_pg	(Optional) Remaining Instant Desc Usage for lcpu pool-group
switch_desc_count_lcpu_pg	(Optional) Switch Desc Count for lcpu pool-group
total_instant_desc_usage_rcpu_pg	(Optional) Total Instant Desc Usage for rcpu pool-group
rem_instant_desc_usage_rcpu_pg	(Optional) Remaining Instant Desc Usage for rcpu pool-group
switch_desc_count_rcpu_pg	(Optional) Switch Desc Count for rcpu pool-group
total_instant_desc_usage_span_pg	(Optional) Total Instant Desc Usage for span pool-group
rem_instant_desc_usage_span_pg	(Optional) Remaining Instant Desc Usage for span pool-group
switch_desc_count_span_pg	(Optional) Switch Desc Count for span pool-group
ucpool_instant_usage_0	(Optional) Total Instant Usage for UC pool 0

ucpool_instant_desc_usage_0	(Optional) Total Instant Desc Usage for UC pool 0
ucpool_max_cell_usage_0	(Optional) Max Cell Usage for UC pool 0
ucpool_instant_usage_1	(Optional) Total Instant Usage for UC pool 1
ucpool_instant_desc_usage_1	(Optional) Total Instant Desc Usage for UC pool 1
ucpool_max_cell_usage_1	(Optional) Max Cell Usage for UC pool 1
ucpool_instant_usage_2	(Optional) Total Instant Usage for UC pool 2
ucpool_instant_desc_usage_2	(Optional) Total Instant Desc Usage for UC pool 2
ucpool_max_cell_usage_2	(Optional) Max Cell Usage for UC pool 2
ucpool_instant_usage_3	(Optional) Total Instant Usage for UC pool 3
ucpool_instant_desc_usage_3	(Optional) Total Instant Desc Usage for UC pool 3
ucpool_max_cell_usage_3	(Optional) Max Cell Usage for UC pool 3
ucpool_instant_usage_4	(Optional) Total Instant Usage for UC pool 4
ucpool_instant_desc_usage_4	(Optional) Total Instant Desc Usage for UC pool 4
ucpool_max_cell_usage_4	(Optional) Max Cell Usage for UC pool 4
ucpool_instant_usage_5	(Optional) Total Instant Usage for UC pool 5
ucpool_instant_desc_usage_5	(Optional) Total Instant Desc Usage for UC pool 5
ucpool_max_cell_usage_5	(Optional) Max Cell Usage for UC pool 5
ucpool_instant_usage_6	(Optional) Total Instant Usage for UC pool 6
ucpool_instant_desc_usage_6	(Optional) Total Instant Desc Usage for UC pool 6
ucpool_max_cell_usage_6	(Optional) Max Cell Usage for UC pool 6
ucpool_instant_usage_7	(Optional) Total Instant Usage for UC pool 7
ucpool_instant_desc_usage_7	(Optional) Total Instant Desc Usage for UC pool 7
ucpool_max_cell_usage_7	(Optional) Max Cell Usage for UC pool 7
mcpool_instant_usage_0	(Optional) Total Instant Usage for MC pool 0
mcpool_instant_desc_usage_0	(Optional) Total Instant Desc Usage for MC pool 0
mcpool_instant_inq_usage_0	(Optional) Total Instant Inq Usage for MC pool 0
mcpool_instant_pkts_usage_0	(Optional) Total Instant Pkts Usage for MC pool 0
mcpool_max_cell_usage_0	(Optional) Max Cell Usage for MC pool 0
mcpool_instant_usage_1	(Optional) Total Instant Usage for MC pool 1

mcpool_instant_desc_usage_1	(Optional) Total Instant Desc Usage for MC pool 1
mcpool_instant_inq_usage_1	(Optional) Total Instant Inq Usage for MC pool 1
mcpool_instant_pkts_usage_1	(Optional) Total Instant Pkts Usage for MC pool 1
mcpool_max_cell_usage_1	(Optional) Max Cell Usage for MC pool 1
mcpool_instant_usage_2	(Optional) Total Instant Usage for MC pool 2
mcpool_instant_desc_usage_2	(Optional) Total Instant Desc Usage for MC pool 2
mcpool_instant_inq_usage_2	(Optional) Total Instant Inq Usage for MC pool 2
mcpool_instant_pkts_usage_2	(Optional) Total Instant Pkts Usage for MC pool 2
mcpool_max_cell_usage_2	(Optional) Max Cell Usage for MC pool 2
mcpool_instant_usage_3	(Optional) Total Instant Usage for MC pool 3
mcpool_instant_desc_usage_3	(Optional) Total Instant Desc Usage for MC pool 3
mcpool_instant_inq_usage_3	(Optional) Total Instant Inq Usage for MC pool 3
mcpool_instant_pkts_usage_3	(Optional) Total Instant Pkts Usage for MC pool 3
mcpool_max_cell_usage_3	(Optional) Max Cell Usage for MC pool 3
mcpool_instant_usage_4	(Optional) Total Instant Usage for MC pool 4
mcpool_instant_desc_usage_4	(Optional) Total Instant Desc Usage for MC pool 4
mcpool_instant_inq_usage_4	(Optional) Total Instant Inq Usage for MC pool 4
mcpool_instant_pkts_usage_4	(Optional) Total Instant Pkts Usage for MC pool 4
mcpool_max_cell_usage_4	(Optional) Max Cell Usage for MC pool 4
mcpool_instant_usage_5	(Optional) Total Instant Usage for MC pool 5
mcpool_instant_desc_usage_5	(Optional) Total Instant Desc Usage for MC pool 5
mcpool_instant_inq_usage_5	(Optional) Total Instant Inq Usage for MC pool 5
mcpool_instant_pkts_usage_5	(Optional) Total Instant Pkts Usage for MC pool 5
mcpool_max_cell_usage_5	(Optional) Max Cell Usage for MC pool 5
mcpool_instant_usage_6	(Optional) Total Instant Usage for MC pool 6
mcpool_instant_desc_usage_6	(Optional) Total Instant Desc Usage for MC pool 6
mcpool_instant_inq_usage_6	(Optional) Total Instant Inq Usage for MC pool 6
mcpool_instant_pkts_usage_6	(Optional) Total Instant Pkts Usage for MC pool 6
mcpool_max_cell_usage_6	(Optional) Max Cell Usage for MC pool 6

mcpool_instant_usage_7	(Optional) Total Instant Usage for MC pool 7
mcpool_instant_desc_usage_7	(Optional) Total Instant Desc Usage for MC pool 7
mcpool_instant_inq_usage_7	(Optional) Total Instant Inq Usage for MC pool 7
mcpool_instant_pkts_usage_7	(Optional) Total Instant Pkts Usage for MC pool 7
mcpool_max_cell_usage_7	(Optional) Max Cell Usage for MC pool 7
TABLE_detail	(Optional) Detailed per port buffer info
egr_port	(Optional) Egress Port
port_uc_cells_q0	(Optional) UC cell usage for queue 0
port_mc_cells_q0	(Optional) MC cell usage for queue 0
port_mc_desc_q0	(Optional) MC desc usage for queue 0
port_uc_cells_q1	(Optional) UC cell usage for queue 1
port_mc_cells_q1	(Optional) MC cell usage for queue 1
port_mc_desc_q1	(Optional) MC desc usage for queue 1
port_uc_cells_q2	(Optional) UC cell usage for queue 2
port_mc_cells_q2	(Optional) MC cell usage for queue 2
port_mc_desc_q2	(Optional) MC desc usage for queue 2
port_uc_cells_q3	(Optional) UC cell usage for queue 3
port_mc_cells_q3	(Optional) MC cell usage for queue 3
port_mc_desc_q3	(Optional) MC desc usage for queue 3
port_uc_cells_q4	(Optional) UC cell usage for queue 4
port_mc_cells_q4	(Optional) MC cell usage for queue 4
port_mc_desc_q4	(Optional) MC desc usage for queue 4
port_uc_cells_q5	(Optional) UC cell usage for queue 5
port_mc_cells_q5	(Optional) MC cell usage for queue 5
port_mc_desc_q5	(Optional) MC desc usage for queue 5
port_uc_cells_q6	(Optional) UC cell usage for queue 6
port_mc_cells_q6	(Optional) MC cell usage for queue 6
port_mc_desc_q6	(Optional) MC desc usage for queue 6
port_uc_cells_q7	(Optional) UC cell usage for queue 7

port_mc_cells_q7	(Optional) MC cell usage for queue 7
port_mc_desc_q7	(Optional) MC desc usage for queue 7
TABLE_peak	(Optional) Detailed per port peak info
peak_drop_pg	(Optional) Peak usage for drop pool-group
peak_no_drop_pg	(Optional) Peak usage for no-drop pool-group
peak_mc_pool_0	(Optional) Peak usage for MC pool 0
peak_mc_pool_1	(Optional) Peak usage for MC pool 1
peak_mc_pool_2	(Optional) Peak usage for MC pool 2
peak_mc_pool_3	(Optional) Peak usage for MC pool 3
peak_mc_pool_4	(Optional) Peak usage for MC pool 4
peak_mc_pool_5	(Optional) Peak usage for MC pool 5
peak_mc_pool_6	(Optional) Peak usage for MC pool 6
peak_mc_pool_7	(Optional) Peak usage for MC pool 7
peak_uc_pool_0	(Optional) Peak usage for UC pool 0
peak_uc_pool_1	(Optional) Peak usage for UC pool 1
peak_uc_pool_2	(Optional) Peak usage for UC pool 2
peak_uc_pool_3	(Optional) Peak usage for UC pool 3
peak_uc_pool_4	(Optional) Peak usage for UC pool 4
peak_uc_pool_5	(Optional) Peak usage for UC pool 5
peak_uc_pool_6	(Optional) Peak usage for UC pool 6
peak_uc_pool_7	(Optional) Peak usage for UC pool 7
oport	(Optional) Output port
count_0	(Optional) Peak usage counter 0 for port
count_1	(Optional) Peak usage counter 1 for port

Command Mode

- /exec

show hardware internal buffer poll-interval

show hardware internal buffer poll-interval [module <module>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
buffer	System buffer information
poll-interval	System buffer status polling interval
module	(Optional) Slot/module
module	(Optional) Slot/module number

Command Mode

- /exec

show hardware internal cpu-mac eobc counters

show hardware internal cpu-mac eobc counters

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
eobc	Show EOBC port related information
counters	Show EOBC port counters

Command Mode

- /exec

show hardware internal cpu-mac eobc registers

show hardware internal cpu-mac eobc registers

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
eobc	Show EOBC port related information
registers	Show EOBC port registers

Command Mode

- /exec

show hardware internal cpu-mac eobc stats

show hardware internal cpu-mac eobc stats

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
eobc	Show EOBC port related information
stats	Show EOBC port statistics

Command Mode

- /exec

show hardware internal cpu-mac inband active-fm traffic-from-sup

show hardware internal cpu-mac inband active-fm traffic-from-sup

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
inband	Show inband port related information
active-fm	Show active fabric module
traffic-from-sup	For Traffic from sup inband traffic

Command Mode

- /exec

showhardwareinternalcpu-macinbandactive-fmtraffic-to-sup

show hardware internal cpu-mac inband active-fm traffic-to-sup

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
inband	Show inband port related information
active-fm	Show active fabric module
traffic-to-sup	For Traffic to sup inband traffic

Command Mode

- /exec

show hardware internal cpu-mac inband counters

show hardware internal cpu-mac inband counters

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
inband	Show inband port related information
counters	Show inband port counters

Command Mode

- /exec

show hardware internal cpu-mac inband registers

show hardware internal cpu-mac inband registers

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
inband	Show inband port related information
registers	Show inband port registers

Command Mode

- /exec

show hardware internal cpu-mac inband stats

show hardware internal cpu-mac inband stats

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
inband	Show inband port related information
stats	Show inband port statistics

Command Mode

- /exec

show hardware internal cpu-mac mgmt counters

show hardware internal cpu-mac mgmt counters

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
mgmt	Show management port related information
counters	Show management port counters

Command Mode

- /exec

show hardware internal cpu-mac mgmt registers

show hardware internal cpu-mac mgmt registers

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
mgmt	Show management port related information
registers	Show management port registers

Command Mode

- /exec

show hardware internal cpu-mac mgmt stats

show hardware internal cpu-mac mgmt stats

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu-mac	Show CPU-MACs related information
mgmt	Show management port related information
stats	Show management port statistics

Command Mode

- /exec

show hardware internal cpu interface asic counters module instance

show hardware internal cpu interface asic counters module <module> instance <instance>

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
cpu	Show cpu interface counters
interface	Show interface status and information
asic	Show interface counters from asic for ex. from broadcom shell
counters	Show detailed interface counters
module	Slot/module
module	Slot/module number
instance	ASIC Instance Number
instance	ASIC Instance Number in Decimal

Command Mode

- /exec

show hardware internal dev-port-map

show hardware internal dev-port-map

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
dev-port-map	Show device port map

Command Mode

- /exec

show hardware internal dev-version

show hardware internal dev-version

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
dev-version	Show device versions

Command Mode

- /exec

show hardware internal dev-version details

show hardware internal dev-version details

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
dev-version	Show device versions
details	Check if versions are latest

Command Mode

- /exec

show hardware internal eobc stats

show hardware internal eobc stats

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
eobc	Show eobc related information
stats	Show statistics of eobc interface

Command Mode

- /exec

show hardware internal errors2

show hardware internal errors2 [__readonly__ [{ TABLE_deviceinfo <device_name> <role> <mod> <last_cleared> <stat_category> [{ TABLE_instanceinfo <inst> [{ TABLE_counterinfo <counter_id> <counter_name> <counter_val> <ports> }] }] }]]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
errors2	Show hardware internal error information
__readonly__	(Optional)
TABLE_deviceinfo	(Optional) Shows device information
device_name	(Optional) Device name
role	(Optional) Device role
last_cleared	(Optional) Time the log was last cleared
stat_category	(Optional) Device statistics category
mod	(Optional) module
TABLE_instanceinfo	(Optional) Shows instance information
inst	(Optional) instance
TABLE_counterinfo	(Optional) Shows counter information
counter_id	(Optional) Counter Id
counter_name	(Optional) Counter name
counter_val	(Optional) Counter value
ports	(Optional) Port

Command Mode

- /exec

show hardware internal errors module

show hardware internal errors { module <module> | all } [__readonly__ [{ TABLE_deviceinfo <device_name> <role> <mod> <last_cleared> <stat_category> [{ TABLE_instanceinfo <inst> [{ TABLE_counterinfo <counter_id> <counter_name> <counter_val> <ports> }] }] }]]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
errors	Show hardware internal error information
all	Show all hardware internal errors
module	Show hardware internal errors for a module
module	Module number
__readonly__	(Optional)
TABLE_deviceinfo	(Optional) Shows device information
device_name	(Optional) Device name
role	(Optional) Device role
last_cleared	(Optional) Time the log was last cleared
stat_category	(Optional) Device statistics category
mod	(Optional) module
TABLE_instanceinfo	(Optional) Shows instance information
inst	(Optional) instance
TABLE_counterinfo	(Optional) Shows counter information
counter_id	(Optional) Counter Id
counter_name	(Optional) Counter name
counter_val	(Optional) Counter value
ports	(Optional) Port

Command Mode

- /exec

show hardware internal fabric interface asic counters module

show hardware internal fabric interface asic counters module <module>

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
fabric	Show fabric interface counters
interface	Show interface status and information
asic	Show interface counters from asic
counters	Show interface counters into different buckets
module	Limit display to fabric interfaces on module
module	Slot/module number

Command Mode

- /exec

show hardware internal fabric interface asic counters module instance asic-port

show hardware internal fabric interface asic counters module <module> instance <instance> asic-port <port> [snmp]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
fabric	Show fabric interface counters
interface	Show interface status and information
asic	Show interface counters from asic for ex. from broadcom shell
counters	Show detailed interface counters
module	Slot/module
module	Slot/module number
instance	ASIC Instance Number
instance	ASIC Instance Number in Decimal
asic-port	Select a hardware/asic port
port	Hardware asic port number
snmp	(Optional) Show snmp hardware/asic counters

Command Mode

- /exec

show hardware internal flow resource utilization

show hardware internal flow resource utilization [table] [icam | ipv4 | ipv6] [no-header] [instance <inst>] [module <num>] [__readonly__ TABLE_nf_resource_info <flow_util> <flow_used> <flow_free> <flow_fail> <icam_util> <icam_used> <icam_free> <ipv4_util> <ipv4_used> <ipv4_free> <ipv6_util> <ipv6_used> <ipv6_free>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
flow	Netflow Module
resource	Show resource information
utilization	Show utilization
table	(Optional) Flow table usage
icam	(Optional) ICAM usage
ipv4	(Optional) IPv4 masks usage
ipv6	(Optional) IPv6 masks usage
no-header	(Optional) Don't show header
instance	(Optional) Instance
inst	(Optional) Earl Instance
module	(Optional) Line card module
num	(Optional) slot number
__readonly__	(Optional)
TABLE_nf_resource_info	(Optional) netflow resource info
flow_util	(Optional) percentage of flow table used
flow_used	(Optional) flow table entries used
flow_free	(Optional) flow table entries free
flow_fail	(Optional) flow create failures
icam_util	(Optional) percentage of ICAM used
icam_used	(Optional) ICAM entries used

icam_free	(Optional) ICAM entries free
ipv4_util	(Optional) percentage of IPv4 masks used
ipv4_used	(Optional) ipv4 masks used
ipv4_free	(Optional) ipv4 masks free
ipv6_util	(Optional) percentage of IPv6 masks used
ipv6_used	(Optional) ipv6 masks used
ipv6_free	(Optional) ipv6 masks free

Command Mode

- /exec

show hardware internal forwarding adjacency statistics default-route

show hardware internal forwarding adjacency statistics default-route [module <module>]

Syntax Description

Syntax Description

show	SHOW_HELP
hardware	SHOW_HW_HELP
internal	SHOW_HW_INT_HELP
forwarding	Show hardware information for forwarding Asic
adjacency	display adjacency utilization
statistics	Show hardware statistics
default-route	For special adjacency of default route on linecards
module	(Optional) slot
module	(Optional) Slot/module number

Command Mode

- /exec

show hardware internal forwarding adjacency utilization

show hardware internal forwarding adjacency utilization [no-header] [module <module>] [instance <instance>] [__readonly__ { <header> } [<module>] { TABLE_adjacency <adj_type> <used> <used_util> <free> <free_util> <total> }]

Syntax Description

Syntax Description

show	SHOW_HELP
hardware	SHOW_HW_HELP
internal	SHOW_HW_INT_HELP
forwarding	Show hardware information for forwarding Asic
adjacency	display adjacency utilization
utilization	Show hardware utilization summary
no-header	(Optional) Do not print header
module	(Optional) slot
module	(Optional) Slot/module number
instance	(Optional) Asic Instance
instance	(Optional) ASIC instance number
__readonly__	(Optional)
header	(Optional) Header for subsequent information
module	(Optional) Module for which the information is displayed
TABLE_adjacency	(Optional) Table with adj types for which the information is displayed
adj_type	(Optional) Adjacency type
used	(Optional) Number of adjacency entries used
used_util	(Optional) Percentage usage of adjacency table entries
free	(Optional) Number of adjacency entries available
free_util	(Optional) Percentage availability of adjacency table entries
total	(Optional) Total number of adjacency entries

Command Mode

- /exec

show hardware internal forwarding l3 counters

show hardware internal forwarding l3 counters [module <module>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware usage settings
internal	SHOW_HW_INT_HELP
forwarding	Show forwarding related settings
l3	Layer-3
counters	Show Layer-3 Counters
module	(Optional) Slot/module
module	(Optional) Slot/module number

Command Mode

- /exec

show hardware internal forwarding table utilization

show hardware internal forwarding table utilization [no-header] [module <module>] [instance <instance>] [__readonly__ <header> [<module>] { TABLE_route <rt_type> <used_log> <used_phy> <util> <free_log> <free_phy> <free> <total_log> <total_phy> }]

Syntax Description

Syntax Description

show	SHOW_HELP
hardware	SHOW_HW_HELP
internal	SHOW_HW_INT_HELP
forwarding	Show hardware information for forwarding Asic
table	FIB TCAM table utilization
utilization	FIB TCAM table utilization
no-header	(Optional) Do not print header
module	(Optional) slot
module	(Optional) Slot/module number
instance	(Optional) Asic Instance
instance	(Optional) ASIC instance number
__readonly__	(Optional)
header	(Optional) Header for subsequent information
module	(Optional) Module for which the information is displayed
TABLE_route	(Optional) Table with route types for which the information is displayed
rt_type	(Optional) Route types
used_log	(Optional) Number of logical entries used
used_phy	(Optional) Number of physical entries used
free_log	(Optional) Number of logical entries available
free_phy	(Optional) Number of physical entries available
total_log	(Optional) Total number of logical entries
total_phy	(Optional) Total number of physical entries
util	(Optional) Percentage utilization of routing table entries
free	(Optional) Percentage availability of routing table entries

Command Mode

- /exec

show hardware internal forwarding table utilization mib module

show hardware internal forwarding table utilization mib module <module> [__readonly__ <counterString> <counterValue>]

Syntax Description

Syntax Description

show	SHOW_HELP
hardware	SHOW_HW_HELP
internal	SHOW_HW_INT_HELP
forwarding	Show hardware information for forwarding Asic
table	FIB TCAM table utilization
utilization	FIB TCAM table utilization
mib	show mib
module	slot
module	Slot/module number
__readonly__	(Optional)
counterString	(Optional) counter string
counterValue	(Optional) counter value

Command Mode

- /exec

show hardware internal inband-rcpu cpu-queue slot

show hardware internal inband-rcpu cpu-queue [name <queue-name>] slot <slot-num> [reset-stats] [reset-pps]

Syntax Description

Syntax Description

show	commands to display
hardware	Show hardware information
internal	Show hardware internal information
inband-rcpu	BCM RCPU
cpu-queue	Show BCM RCPU cpu queue
name	(Optional) cpu queue name
queue-name	(Optional) name of the queue
slot	Slot/module
slot-num	Slot/module number
reset-stats	(Optional) Reset CPU Queue Stats
reset-pps	(Optional) Reset CPU Queue PPS

Command Mode

- /exec

show hardware internal interface asic counters

show hardware internal interface <ifeth_ctr_hw> asic counters [snmp]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
interface	Show interface status and information
ifeth_ctr_hw	Enter interface type and number in module/slot format
asic	Show interface counters from asic for ex. from broadcom shell
counters	Show detailed interface counters
snmp	(Optional) Show snmp hardware/asic counters

Command Mode

- /exec

show hardware internal interface asic counters module

show hardware internal interface asic counters module <module>

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
interface	Show interface status and information
asic	Show interface counters from asic
counters	Show interface counters into different buckets
module	Limit display to interfaces on module
module	Enter module number

Command Mode

- /exec

show hardware internal logflash model

show hardware internal logflash model

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
logflash	Show logflash related information
model	Show logflash model name

Command Mode

- /exec

show hardware internal logflash model

show hardware internal logflash model

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
logflash	Show logflash related information
model	Show logflash model name

Command Mode

- /exec

show hardware internal memory-ecc statistics

show hardware internal memory-ecc statistics

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
memory-ecc	Show memory dram ecc error
statistics	Show memory dram ecc error statistics

Command Mode

- /exec

show hardware internal memory-model

show hardware internal memory-model

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
memory-model	Show memory dimm related information

Command Mode

- /exec

show hardware internal mgmt0 stats

show hardware internal mgmt0 stats

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
mgmt0	Show mgmt0 related information
stats	Show statistics of mgmt0 interface

Command Mode

- /exec

show hardware internal ns buffer info pkt-stats

show hardware internal ns buffer info pkt-stats [input] [module <module>] [instance <instance>] [detail] [__readonly__ { TABLE_instance <instance> { TABLE_direction <direction> <total_instant_usage_0> <rem_instant_usage_0> <shared_cell_count_0> <total_cell_count_0> <sp_count_1> <sp_count_2> <sp_count_3> { TABLE_interface <stats_start> <front_port> <ucast_count_0> <ucast_count_1> <ucast_count_2> <ucast_count_3> <mcast_count_0> <mcast_count_1> <mcast_count_2> <mcast_count_3> <sup_count> <sup_na> } { TABLE_eoq <eoq_stats_start> <eoq_name> <eoq_count_0> <eoq_count_1> <eoq_count_2> <eoq_count_3> } } }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
ns	Northstar
buffer	System buffer information
info	Buffer specific information
pkt-stats	Per Port per Pool buffer stats information
input	(Optional) Input buffer stats
module	(Optional) Slot/module
module	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
instance	(Optional) ASIC Instance Number in Decimal
detail	(Optional) Show detailed statistics
__readonly__	(Optional) Read Only
TABLE_instance	(Optional) Instance
instance	(Optional) Asic Instance
TABLE_direction	(Optional) Direction
direction	(Optional) Traffic Direction
total_instant_usage_0	(Optional) Total Instant Usage
rem_instant_usage_0	(Optional) Remaining Instant Usage
shared_cell_count_0	(Optional) Max Cell Usage

total_cell_count_0	(Optional) Total Cell Count
sp_count_1	(Optional) Service Pool 1 count
sp_count_2	(Optional) Service Pool 2 count
sp_count_3	(Optional) Service Pool 3 count
TABLE_interface	(Optional) Interface
stats_start	(Optional) Header Display
front_port	(Optional) Front Port
ucast_count_0	(Optional) Unicast Count Queue 0
ucast_count_1	(Optional) Unicast Count Queue 1
ucast_count_2	(Optional) Unicast Count Queue 2
ucast_count_3	(Optional) Unicast Count Queue 3
mcast_count_0	(Optional) Multicast Count Queue 0
mcast_count_1	(Optional) Multicast Count Queue 1
mcast_count_2	(Optional) Multicast Count Queue 2
mcast_count_3	(Optional) Multicast Count Queue 3
sup_count	(Optional) Sup Queue Count
sup_na	(Optional) Sup Queue Not Applicable
TABLE_eoq	(Optional) EOQ
eoq_stats_start	(Optional) Header Display
eoq_name	(Optional) Front Port
eoq_count_0	(Optional) EOQ Count Queue 0
eoq_count_1	(Optional) EOQ Count Queue 1
eoq_count_2	(Optional) EOQ Count Queue 2
eoq_count_3	(Optional) EOQ Count Queue 3

Command Mode

- /exec

show hardware internal ns interrupts

show hardware internal ns interrupts [__readonly__ { TABLE_instance <asic> { TABLE_interrupts <reg> <reg_field> <inst> <count> <thresh_hit> <currently_set> } }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
ns	Northstar
interrupts	Interrupts
__readonly__	(Optional) Read Only
TABLE_instance	(Optional) ASIC instance
asic	(Optional) ASIC instance
TABLE_interrupts	(Optional) Interrupts
reg	(Optional) Register name
reg_field	(Optional) Register Field name
inst	(Optional) Register instance
count	(Optional) Interrupt count
thresh_hit	(Optional) Threshold hit
currently_set	(Optional) Currently set

Command Mode

- /exec

show hardware internal plog errors

show hardware internal plog errors

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
plog	Configure plog debugging
errors	Show persistent logging errors

Command Mode

- /exec

show hardware internal plog msgs

show hardware internal plog msgs

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
plog	Configure plog debugging
msgs	Show persistent logging msgs

Command Mode

- /exec

show hardware internal plog print

show hardware internal plog print [file-type <filetype> [{ count <count> } | { uuid <uuid> }]]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
plog	Configure plog debugging
print	Show persistent error logs
file-type	(Optional) Show persistent error logs for file type
filetype	(Optional)
count	(Optional) Show last count persistent error logs
count	(Optional)
uuid	(Optional) Show persistent error logs of a specific uuid
uuid	(Optional)

Command Mode

- /exec

show hardware internal plog print list-file-types

show hardware internal plog print list-file-types

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
plog	Configure plog debugging
print	Show persistent error logs
list-file-types	List all file types available

Command Mode

- /exec

show hardware internal plog stat uuid

show hardware internal plog stat uuid <uuid>

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
plog	Configure plog debugging
stat	Show persistent logging statistics
uuid	Show persistent logging statistics of a specific uuid
uuid	

Command Mode

- /exec

show hardware internal proc-info

show hardware internal proc-info <s0>

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
proc-info	Displays any file under /proc directory
s0	Enter file name or path after '/proc/

Command Mode

- /exec

show hardware internal sensor event-history errors

show hardware internal sensor event-history errors

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
sensor	Show sensor commands
event-history	Show sensor internal event history
errors	Show sensor internal error history

Command Mode

- /exec

show hardware internal sensor event-history msgs

show hardware internal sensor event-history msgs

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
sensor	Show sensor commands
event-history	Show sensor internal event history
msgs	Show sensor internal message history

Command Mode

- /exec

show hardware internal sensor mem-stats

show hardware internal sensor mem-stats [detail]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
sensor	Show sensor commands
mem-stats	Show memory allocation statistics for sensor
detail	(Optional) Show detailed stats

Command Mode

- /exec

show hardware internal sprom event-log

show hardware internal sprom event-log

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
sprom	Show sprom internal information
event-log	Show sprom driver event-log

Command Mode

- /exec

show hardware internal statistics module-all pktflow all

show hardware internal statistics module-all pktflow all

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
statistics	Shows stats Information
module-all	Shows stats of all modules
pktflow	Shows pktflow stats
all	show packetflow boundary stats from all devices

Command Mode

- /exec

show hardware internal statistics module-all pktflow rates

show hardware internal statistics module-all pktflow rates

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
statistics	Shows stats Information
module-all	Shows stats of all modules
pktflow	Shows pktflow stats
rates	Shows rates stats

Command Mode

- /exec

show hardware internal statistics module-all rates

show hardware internal statistics module-all rates

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
statistics	Shows stats Information
module-all	Shows stats of all modules
rates	Shows rates stats

Command Mode

- /exec

show hardware internal statistics module pktflow all

show hardware internal statistics module <module> pktflow all

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
statistics	Shows stats Information
module	Shows stats of a single module
module	Enter module number
pktflow	Shows pktflow stats
all	show packetflow boundary stats from all devices

Command Mode

- /exec

show hardware internal statistics module pktflow rates

show hardware internal statistics module <module> pktflow rates

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
statistics	Shows stats Information
module	Shows stats of a single module
module	Enter module number
pktflow	Shows pktflow stats
rates	Shows rates stats

Command Mode

- /exec

show hardware internal statistics module rates

show hardware internal statistics module <module> rates

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
statistics	Shows stats Information
module	Shows stats of a single module
module	Enter module number
rates	Shows rates stats

Command Mode

- /exec

show hardware internal statistics pktflow all

show hardware internal statistics pktflow all

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
statistics	Shows stats Information
pktflow	Shows pktflow stats
all	show packetflow boundary stats from all devices

Command Mode

- /exec

show hardware internal statistics pktflow rates

show hardware internal statistics pktflow rates

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
statistics	Shows stats Information
pktflow	Shows pktflow stats
rates	Shows rates stats

Command Mode

- /exec

show hardware internal statistics rates

show hardware internal statistics rates [__readonly__ [{ TABLE_instance <device_name> <inst> [{ TABLE_direction <direction> [{ TABLE_pkts_or_bytes <pkts_or_byts> [{ TABLE_counterinfo <port_num> <port_rate> } { TABLE_suminfo <sum> <sum_rate> }] }] }] }]]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
statistics	Show hardware internal statistics information
rates	Show hardware internal statistics rates information
__readonly__	(Optional)
TABLE_instance	(Optional) shows instance and device name
device_name	(Optional) Device name
inst	(Optional) Instance
TABLE_direction	(Optional) shows direction of stats ing/en in/out
direction	(Optional) Direction
TABLE_pkts_or_bytes	(Optional) shows pkt/s or bytes/s
pkts_or_byts	(Optional) pkt/s or bytes/s
TABLE_counterinfo	(Optional) Shows counter information
port_num	(Optional) Display port number
port_rate	(Optional) Rate for the port_num
TABLE_suminfo	(Optional) Shows sum information
sum	(Optional) Display the sum string
sum_rate	(Optional) Total rate for the instance

Command Mode

- /exec

show hardware internal tah interface

show hardware internal tah interface <if_name>

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
tah	tahoe
interface	interface info
if_name	Physical or Logical interface

Command Mode

- /exec

show hardware internal tah l3 v4lpm

show hardware internal tah l3 v4lpm

Syntax Description

Syntax Description

show	show
hardware	show hardware information
internal	Commands for internal use
tah	tahoe
l3	L3 hardware info
v4lpm	IPV4 LPM

Command Mode

- /exec

show hardware internal tah l3 v6lpm

show hardware internal tah l3 v6lpm

Syntax Description

Syntax Description

show	show
hardware	show hardware information
internal	Commands for internal use
tah	tahoe
l3	L3 hardware info
v6lpm	IPV6 LPM

Command Mode

- /exec

show hardware internal tah sdk logs all

show hardware internal tah sdk logs all

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
tah	Tahoe
sdk	Software Development Kit
logs	Dump internal tahoe logs
all	Dump all available logs

Command Mode

- /exec

show hardware internal version

show hardware internal version [__readonly__ <devname> <instance> <version> <bios_ver>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
internal	Show hardware internal information
version	Show device versions
__readonly__	(Optional)
devname	(Optional) Device name
instance	(Optional) Device Instance
version	(Optional) Device version
bios_ver	(Optional) BIOS version

Command Mode

- /exec

show hardware ip verify

show hardware [forwarding] ip verify [module <module>] [__readonly__ <info_str>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	(Optional) Show hardware information for forwarding path
ip	IP
verify	Show IP packet verification checks enabled in hardware
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
info_str	(Optional) IDS Check Stats

Command Mode

- /exec

show hardware profile status

show hardware profile status [module <module>] [detail] [__readonly__ { <total_lpm> <total_host> <reserved_lpm> <max_host4_limit> <max_host6_limit> <max_mcast_limit> <used_lpm_total> <used_v4_lpm> <used_v6_lpm> <used_v6_lpm_128> <used_host_lpm_total> <used_host_v4_lpm> <used_host_v6_lpm> <used_mcast> <used_mcast_oifl> <used_host_in_host_total> <used_host4_in_host> <used_host6_in_host> <mfib_fd_status> <mfib_fd_maxroute> <mfib_fd_count> <max_v6_lpm_65_to_127_limit> <max_v6_lpm_limit> <max_ecmp_table_limit> <used_ecmp_table> <lpm_to_host_migrate_table> <host_to_lpm_migrate_table> <max_mcast_transit_route_limit> <used_mcast_transit_routes> <max_ecmp_nh_table_limit> <used_ecmp_nh_table> }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware usage settings
profile	Show current table usage
status	Show status of dynamic resource allocation
module	(Optional) Slot/module
module	(Optional) Slot/module number
detail	(Optional) Show detailed information
__readonly__	(Optional) Read only
total_lpm	(Optional) Total LPM Entries
total_host	(Optional) Total Host Entries
reserved_lpm	(Optional) Reserved LPM Entries
max_host4_limit	(Optional) Max Host4 Limit Entries
max_host6_limit	(Optional) Max Host6 Limit Entries
max_mcast_limit	(Optional) Max Mcast Limit Entries
used_lpm_total	(Optional) Used LPM Entries (Total)
used_v4_lpm	(Optional) Used IPv4 LPM Entries
used_v6_lpm	(Optional) Used IPv6 LPM Entries
used_v6_lpm_128	(Optional) Used IPv6 LPM_128 Entries
used_host_lpm_total	(Optional) Used Host Entries in LPM (Total)
used_host_v4_lpm	(Optional) Used Host4 Entries in LPM
used_host_v6_lpm	(Optional) Used Host6 Entries in LPM

used_mcast	(Optional) Used Mcast Entries
used_mcast_oifl	(Optional) Used Mcast OIFL Entries
used_host_in_host_total	(Optional) Used Host Entries in Host (Total)
used_host4_in_host	(Optional) Used Host4 Entries in Host
used_host6_in_host	(Optional) Used Host6 Entries in Host
mfib_fd_status	(Optional) MFIB fd status
mfib_fd_maxroute	(Optional) MFIB fd maxroute
mfib_fd_count	(Optional) MFIB fd count
max_v6_lpm_65_to_127_limit	(Optional) Max Ucast IPv6 LPM_65_to_127 Limit Entries
max_v6_lpm_limit	(Optional) Max Ucast IPv6 LPM Limit Entries
max_ecmp_table_limit	(Optional) Max ECMP table Limit Entries
used_ecmp_table	(Optional) Used ECMP Table Entries
lpm_to_host_migrate_table	(Optional) Times Route Migrated from LPM to Host Table
host_to_lpm_migrate_table	(Optional) Times Route Migrated from Host to LPM Table
max_mcast_transit_route_limit	(Optional) Max Mcast Transit Route Limit Entries
used_mcast_transit_routes	(Optional) Used Mcast Transit Routes
max_ecmp_nh_table_limit	(Optional) Max ECMP NH table Limit Entries
used_ecmp_nh_table	(Optional) Used ECMP NH Table Entries

Command Mode

- /exec

show hardware profile tcam region

show hardware profile tcam region [__readonly__ { TCAM_Region [{ TABLE_Sizes <tcam_compat_type> <tcam_compat_size> <tcam_compat_width> }] }]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
profile	profile
tcam	Show tcam parameters
region	Show tcam region sizes
__readonly__	(Optional)
TCAM_Region	(Optional)
TABLE_Sizes	(Optional)
tcam_compat_type	(Optional)
tcam_compat_size	(Optional)
tcam_compat_width	(Optional)

Command Mode

- /exec

show hardware qos afd profile

show hardware qos afd profile [module <module>] [__readonly__ TABLE_qos_afd_profile <module> <prof-desc>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
afd	Show Approximate Fair Dropping config
profile	Show AFD profile config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_afd_profile	(Optional) the xml qos_afd_profile configuration
prof-desc	(Optional) profile description

Command Mode

- /exec

show hardware qos burst-detect max-records

show hardware qos burst-detect max-records [__readonly__ TABLE_qos_burstdetect_maxrecords]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
burst-detect	Show oobst burst-detect info
max-records	Show oobst burst-detect max-records
__readonly__	(Optional)
TABLE_qos_burstdetect_maxrecords	(Optional) the xml qos_burst-detect max-records configuration

Command Mode

- /exec

show hardware qos eoq stats-class

show hardware qos eoq stats-class [module <module>] [__readonly__ TABLE_qos_eoq_stats_class <module> <eoq-stats-class-desc>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
eoq	Show Extended Output Queue(EOQ) related information
stats-class	Show EOQ Statistics class selection config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_eoq_stats_class	(Optional) the xml qos_eoq_stats_class configuration
eoq-stats-class-desc	(Optional) selected class description

Command Mode

- /exec

show hardware qos include ipg

show hardware qos include ipg [module <module>] [__readonly__ TABLE_qos_include_ipg <module>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
include	Show inlcude config
ipg	Show whether to include IPG in Shaping/Policing config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_include_ipg	(Optional) the xml qos_include_ipg configuration

Command Mode

- /exec

show hardware qos ing-pg-hdrm-reserve

show hardware qos ing-pg-hdrm-reserve [module <module>] [__readonly__ TABLE_qos_ing_pg_hdrm_reserve <module>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-hdrm-reserve	Show ing-pg-hdrm-reserve config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ing_pg_hdrm_reserve	(Optional) the xml qos_ing_pg_hdrm_reserve configuration

Command Mode

- /exec

show hardware qos ing-pg-no-min

show hardware qos ing-pg-no-min [module <module>] [__readonly__ TABLE_qos_ing_pg_no_min <module>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-no-min	Show ing-pg-no-min config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ing_pg_no_min	(Optional) the xml qos_ing_pg_no_min configuration

Command Mode

- /exec

show hardware qos ing-pg-share

show hardware qos ing-pg-share [module <module>] [__readonly__ TABLE_qos_ing_pg_share <module>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-share	Show ing-pg-share config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ing_pg_share	(Optional) the xml qos_ing_pg_share configuration

Command Mode

- /exec

show hardware qos min-buffer

show hardware qos min-buffer [module <module>] [__readonly__ TABLE_qos_min_buffer_profile <module> <buff-prof-desc>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
min-buffer	Show min-buffer config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_min_buffer_profile	(Optional) the xml qos_min_buffer_profile configuration
buff-prof-desc	(Optional) buffer profile description

Command Mode

- /exec

show hardware qos ns-buffer-profile

show hardware qos ns-buffer-profile [module <module>] [__readonly__ TABLE_qos_ns_buffer_profile <module> <buff-prof-desc>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ns-buffer-profile	Show ns-buffer-profile config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ns_buffer_profile	(Optional) the xml qos_ns_buffer_profile configuration
buff-prof-desc	(Optional) buffer profile description

Command Mode

- /exec

show hardware qos ns-mcq3-alias

show hardware qos ns-mcq3-alias [module <module>] [__readonly__ TABLE_qos_ns_mcq3_alias <module> <ns-mcq3-alias-desc>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
ns-mcq3-alias	Show NS mc-queue-3 alias class selection config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ns_mcq3_alias	(Optional) the xml qos_ns_mcq3_alias configuration
ns-mcq3-alias-desc	(Optional) selected class description

Command Mode

- /exec

show hardware rate-limiter

show hardware rate-limiter [module <module>] [layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 <l2-opts> | <opts> | f1 <f1-opts>] [__readonly__ TABLE_hardware_rate_limiter <rate-limit-class> <class-descr> <module> <rate-limit-configured> <rate-limit-allowed> <rate-limit-dropped> <rate-limit-total>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
layer-3	(Optional) Layer-3 control and Routed packets
l3-opts	(Optional)
multicast	(Optional) Multicast data packets
mcast-opts	(Optional)
layer-2	(Optional) Layer-2 control and Bridged packets
l2-opts	(Optional)
opts	(Optional)
f1	(Optional) Control packets from F1 modules to supervisor
f1-opts	(Optional)
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_hardware_rate_limiter	(Optional) the xml Rate-Limiter configuration and statistics
rate-limit-class	(Optional) the xml rate limiter class
class-descr	(Optional) class description
module	(Optional) the xml module number
rate-limit-configured	(Optional) the xml rate-limit-configured
rate-limit-allowed	(Optional) the xml rate-limit-allowed
rate-limit-dropped	(Optional) the xml rate-limit-dropped
rate-limit-total	(Optional) the xml rate-limit-total

Command Mode

- /exec

show hardware rl snmp class-id

show hardware rl snmp class-id <class-id> [__readonly__ TABLE-classRateLimiterTable <class-id-out> <class-descr>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
rl	Show Rate-Limiter configs and statistics
snmp	Show Rate-Limiter snmp information
class-id	rate-limiter class-id
class-id	rate-limiter class
__readonly__	(Optional)
TABLE-classRateLimiterTable	(Optional) Class Rate Limiter Table
class-id-out	(Optional) class if out
class-descr	(Optional) class description

Command Mode

- /exec

show hardware rl snmp global class-id

show hardware rl snmp global class-id <class-id> [__readonly__ TABLE-globalRateLimiterTable <class-id-out> <rate-limit-configured> <rate-limit-allowed> <rate-limit-dropped> <rate-limit-total>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
rl	Show Rate-Limiter configs and statistics
snmp	Show Rate-Limiter snmp information
global	Show Global information
class-id	rate-limiter class-id
class-id	rate-limiter class
__readonly__	(Optional)
TABLE-globalRateLimiterTable	(Optional) Global Rate Limiter Table
class-id-out	(Optional) class if out
rate-limit-configured	(Optional) rate-limit-configured
rate-limit-allowed	(Optional) rate-limit-allowed
rate-limit-dropped	(Optional) rate-limit-dropped
rate-limit-total	(Optional) rate-limit-total

Command Mode

- /exec

show hardware rl snmp local snmp-index class-id

show hardware rl snmp local snmp-index <snmp-index> class-id <class-id> [__readonly__ TABLE-localRateLimiterTable <snmp-index-out> <class-id-out> <rate-limit-configured> <rate-limit-configured-source> <rate-limit-allowed> <rate-limit-dropped> <rate-limit-total>]

Syntax Description

Syntax Description

show	Show running system information
hardware	Show hardware information
rl	Show Rate-Limiter configs and statistics
snmp	Show Rate-Limiter snmp information
local	Show Local information
snmp-index	snmp physical index
snmp-index	physical index
class-id	rate-limiter class-id
class-id	rate-limiter class
__readonly__	(Optional)
TABLE-localRateLimiterTable	(Optional) Local Rate Limiter Table
snmp-index-out	(Optional) snmp index out
class-id-out	(Optional) class if out
rate-limit-configured	(Optional) rate-limit-configured
rate-limit-configured-source	(Optional) rate-limit-configured-source
rate-limit-allowed	(Optional) rate-limit-allowed
rate-limit-dropped	(Optional) rate-limit-dropped
rate-limit-total	(Optional) rate-limit-total

Command Mode

- /exec

show hostname

show { hostname | switchname } [__readonly__ { <hostname> }]

Syntax Description

Syntax Description

show	Show running system information
hostname	show the system's hostname
switchname	show the system's hostname
__readonly__	(Optional) Read Only
hostname	(Optional)

Command Mode

- /exec

show hosts

show hosts [__readonly__ [<dnslookup>] [<dnsnameservice>] [{ TABLE_vrf <vrfname> [<defaultdomains>] [<additionaldomainserver>] [<domainservers>] [<nameservice>] [<dhcpdomains>] [<dhcpdomainservers>] }] [{ TABLE_dnsconfigvrf <dnsvrfname> [<usevrf>] [<token>] [{ TABLE_dnsconfigvrfconfig <config> }] }] [{ TABLE_hosts <host> [<address>] }]]

Syntax Description

Syntax Description

show	Show running system information
hosts	Show information about DNS
__readonly__	(Optional)
dnslookup	(Optional) dns lookup enable status
dnsnameservice	(Optional) name service
TABLE_vrf	(Optional) vrf domain servers
vrfname	(Optional) vrf name
defaultdomains	(Optional) default domain
additionaldomainserver	(Optional) additionaldomain
domainservers	(Optional) domain server
nameservice	(Optional) name service
dhcpdomains	(Optional) dhcp domains
dhcpdomainservers	(Optional) dhcpservers
TABLE_dnsconfigvrf	(Optional) dns config vrf
dnsvrfname	(Optional) vrfname
usevrf	(Optional) usevrf
token	(Optional) token
TABLE_dnsconfigvrfconfig	(Optional) dns config vrf config
config	(Optional) token
TABLE_hosts	(Optional) all configured dns hosts
host	(Optional) xml host information
address	(Optional) xml address information

Command Mode

- /exec

show hsrp

show hsrp [interface <interface-id>] [group <group-number>] [active | init | learn | listen | speak | standby] + [all] [brief [all] | detail] [ipv4 | ipv6] [__readonly__ <show_hsrp_start> { TABLE_grp_detail <sh_if_index> <sh_group_num> <sh_group_type> <sh_group_version> <sh_group_state> <sh_state_reason> <sh_prio> <sh_cfg_prio> <sh_fwd_lower_threshold> <sh_fwd_upper_threshold> <sh_can_forward> <sh_preempt> <sh_preempt_min_delay> <sh_preempt_min_delay_active> <sh_preempt_reload_delay> <sh_preempt_reload_delay_active> <sh_preempt_sync_delay> <sh_preempt_sync_delay_active> <sh_cur_hello> <sh_cur_hello_attr> <sh_cfg_hello> <sh_cfg_hello_attr> <sh_active_hello> <sh_cur_hold> <sh_cur_hold_attr> <sh_cfg_hold> <sh_cfg_hold_attr> <sh_vip> <sh_vip_v6> <sh_vip_attr> <sh_num_vip_sec> { TABLE_grp_vip_sec <sh_vip_sec> <sh_vip_sec_v6> } <sh_active_router_addr> <sh_active_router_addr_v6> <sh_active_router_prio> <sh_active_router_timer> <sh_standby_router_addr> <sh_standby_router_addr_v6> <sh_standby_router_prio> <sh_authentication_type> <sh_authentication_data> <sh_keystring_attr> <sh_keystring_timeout> <sh_keystring_cur_valid> <sh_vmac> <sh_vmac_attr> <sh_num_of_state_changes> <sh_last_state_change> <sh_num_of_total_state_changes> <sh_last_total_state_change> <sh_num_track_obj> { TABLE_grp_track_obj <sh_track_obj> <sh_track_obj_state> <sh_track_obj_prio> } <sh_ip_redund_name> <sh_ip_redund_name_attr> } <show_hsrp_end>]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
active	(Optional) Groups in active state
init	(Optional) Groups in init state
listen	(Optional) Groups in listen state
standby	(Optional) Groups in standby state
learn	(Optional) Groups in learn state
speak	(Optional) Groups in speak state
group	(Optional) Group number
group-number	(Optional) Group Number
all	(Optional) Include groups in disabled state
brief	(Optional) Brief output
detail	(Optional) Detailed output
ipv4	(Optional) HSRP V4 Groups

ipv6	(Optional) HSRP V6 Groups
all	(Optional) Display all VIPs
__readonly__	(Optional) Read only
show_hsrp_start	(Optional) Show hsrp start
TABLE_grp_detail	(Optional) Group table detail
sh_if_index	(Optional) Interface type and number
sh_group_num	(Optional) Group number
sh_group_state	(Optional) HSRP state
sh_state_reason	(Optional) Reason
sh_group_type	(Optional) Group type
sh_group_version	(Optional) Group version
sh_prio	(Optional) Priority
sh_cfg_prio	(Optional) Configured priority
sh_fwd_lower_threshold	(Optional) Lower threshold value
sh_fwd_upper_threshold	(Optional) Upper threhsold value
sh_can_forward	(Optional) Current forwarding status
sh_preempt	(Optional) Preemption enabled/not
sh_preempt_min_delay	(Optional) Preemption min delay
sh_preempt_min_delay_active	(Optional) Active preemption min delay
sh_preempt_reload_delay	(Optional) Preemption reload delay
sh_preempt_reload_delay_active	(Optional) Active preemption reload delay
sh_preempt_sync_delay	(Optional) Preemption sync delay
sh_preempt_sync_delay_active	(Optional) Active preemption sync delay
sh_cur_hello	(Optional) Current hello time
sh_cur_hello_attr	(Optional) Hello time in ms/not
sh_cfg_hello	(Optional) Configured hello time
sh_cfg_hello_attr	(Optional) Hello time in ms/not
sh_active_hello	(Optional) Active hello time
sh_cur_hold	(Optional) Current hold time

sh_cur_hold_attr	(Optional) Hello time in ms/not
sh_cfg_hold	(Optional) Configured hold time
sh_cfg_hold_attr	(Optional) Hello time in ms/not
sh_vip	(Optional) Virtual IP address
sh_vip_attr	(Optional) Virtual IP address attribute
sh_num_vip_sec	(Optional) Number of Secondary virtual IP address
TABLE_grp_vip_sec	(Optional) Group secondary ip address
sh_vip_sec	(Optional) Secondary virtual IP address
sh_active_router_addr	(Optional) Active router address
sh_active_router_prio	(Optional) Active router priority
sh_active_router_timer	(Optional) Active router expiry timer
sh_standby_router_addr	(Optional) Standby router address
sh_standby_router_prio	(Optional) Standby router priority
sh_authentication_type	(Optional) Authentication type
sh_authentication_data	(Optional) Authentication data
sh_keystring_attr	(Optional) Keystring attribute
sh_keystring_timeout	(Optional) Keystring timeout
sh_keystring_cur_valid	(Optional) Keystring current valid time
sh_vmac	(Optional) Virtual MAC
sh_vmac_attr	(Optional) Virtual MAC attribute
sh_num_of_state_changes	(Optional) Number of state changes
sh_last_state_change	(Optional) Last state change time
sh_num_of_total_state_changes	(Optional) Number of total state changes
sh_last_total_state_change	(Optional) Last total state change time
sh_num_track_obj	(Optional) Number of tracked objects
TABLE_grp_track_obj	(Optional) Group tracked objects
sh_track_obj	(Optional) Tracked object
sh_track_obj_state	(Optional) State of tracked object
sh_track_obj_prio	(Optional) Tracked object priority decrement

sh_ip_redund_name	(Optional) IP redundancy name
sh_ip_redund_name_attr	(Optional) IP redundancy name attribute
show_hsrp_end	(Optional) End of Group

Command Mode

- /exec

show hsrp anycast

show hsrp anycast [<id> { ipv4 | ipv6 | both }] [brief]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
id	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle
brief	(Optional) Brief output

Command Mode

- /exec

show hsrp anycast interface vlan

show hsrp anycast interface { vlan | bdi } <id>

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
interface	Bundle on this interface Interface
vlan	VLAN interface
bdi	Bridge-Domain interface
id	VLAN number

Command Mode

- /exec

show hsrp anycast internal info

show hsrp anycast internal info [<id> { ipv4 | ipv6 | both }]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
internal	HSRP internal information
info	Internal datastructure information display
id	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle

Command Mode

- /exec

show hsrp anycast internal info pss-rec config

show hsrp anycast internal info pss-rec { config | info } [<id> { ipv4 | ipv6 | both }]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
internal	HSRP internal information
info	Internal datastructure information display
pss-rec	HSRP Anycast PSS record
config	HSRP Anycast configuration records from pss
info	HSRP Anycast Running information records from pss
id	(Optional) Bundle number
ipv4	(Optional) IPv4 version of the bundle
ipv6	(Optional) IPv6 version of the bundle
both	(Optional) IP Version 4 and 6 for the bundle

Command Mode

- /exec

show hsrp anycast remote-db

show hsrp anycast remote-db [<id> { ipv4 | ipv6 | both }]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
remote-db	Remote data base for the bundle
id	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle

Command Mode

- /exec

show hsrp anycast summary

show hsrp anycast summary

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
summary	Show HSRP summary

Command Mode

- /exec

show hsrp bfd-sessions

show hsrp bfd-sessions [interface <interface-id> [to <ipaddress>]] [__readonly__ TABLE_bfd_sess <interface> <list_size> { <src_addr> | <src_addr_v6> } { <dst_addr> | <dst_addr_v6> } <ref_count> { TABLE_ref_groups <ref_group_id> } { TABLE_hist_groups <hist_group_id> <hist_operation> <hist_rel_time> <hist_abs_time> <hist_ref_count> <hist_group_state> <hist_status> <hist_op_reason> }]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
to	(Optional) To IP address
ipaddress	(Optional) Sessions to IP address
__readonly__	(Optional)
TABLE_bfd_sess	(Optional)
interface	(Optional) Interface
list_size	(Optional) List size
src_addr	(Optional) IPv4 Source address
dst_addr	(Optional) IPv4 Destination address
ref_count	(Optional) Ref count
TABLE_ref_groups	(Optional)
ref_group_id	(Optional) Group id
TABLE_hist_groups	(Optional)
hist_group_id	(Optional) Group id
hist_operation	(Optional) Operation
hist_rel_time	(Optional) Relative time
hist_abs_time	(Optional) Absolute time
hist_ref_count	(Optional) Ref count
hist_group_state	(Optional) Group state

hist_status	(Optional) Status
hist_op_reason	(Optional) Op reason

Command Mode

- /exec

show hsrp bfd-sessions

show hsrp bfd-sessions [interface <interface-id> [to <ipaddress>]]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
to	(Optional) To IP address
ipaddress	(Optional) Sessions to IP address

Command Mode

- /exec

show hsrp delay

show hsrp delay [interface <interface-id>] [__readonly__ TABLE_delay <interface> <min_delay> <reload_delay>]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
delay	Group initialisation delay
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
__readonly__	(Optional)
TABLE_delay	(Optional)
interface	(Optional) Interface
min_delay	(Optional) Min delay
reload_delay	(Optional) Reload delay

Command Mode

- /exec

show hsrp ext-mib sec-addr

show hsrp ext-mib sec-addr [<ifindex-in> <group-id-in> <ip1-in> <ip2-in> <ip3-in> <ip4-in>] [__readonly__ TABLE_cHsrpExtSecAddrTable <ifindex-out> <group-id-out> <ip1-out> <ip2-out> <ip3-out> <ip4-out> { <cHsrpExtSecAddrTable> <cHsrpExtSecAddrAddress> <cHsrpExtSecAddrRowStatus> }]

Syntax Description

Syntax Description

__readonly__	(Optional) Read Only
show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
ext-mib	Show hsrp extended mib specific configuration
sec-addr	Secondary virtual address
ifindex-in	(Optional) hsrp group ifindex
group-id-in	(Optional) hsrp group id
group-id-out	(Optional) hsrp group num
ifindex-out	(Optional) hsrp group interface index
ip1-in	(Optional) first part of vip
ip2-in	(Optional) second part of vip
ip3-in	(Optional) third part of vip
ip4-in	(Optional) fourth part of vip
ip1-out	(Optional) first part of vip out
ip2-out	(Optional) second part of vip out
ip3-out	(Optional) third part of vip out
ip4-out	(Optional) fourth part of vip out
TABLE_cHsrpExtSecAddrTable	(Optional) Hsrp extended mib secondary address table
cHsrpExtSecAddrTable	(Optional) Hsrp extended mib Secondary address table
cHsrpExtSecAddrAddress	(Optional) Hsrp extended mib Secondary Address
cHsrpExtSecAddrRowStatus	(Optional) Hsrp extended mib secondary address row status

Command Mode

- /exec

show hsrp ext-mib use-bia

show hsrp ext-mib use-bia [<ifindex-in>] [__readonly__ TABLE_cHsrpExtIfEntry <ifindex-out> { <cHsrpExtIfUseBIA> <cHsrpExtIfRowStatus> }]

Syntax Description

Syntax Description

__readonly__	(Optional) Read Only
show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
ext-mib	Show hsrp extended mib specific configuration
use-bia	Use BIA
ifindex-in	(Optional) hsrp group ifindex
ifindex-out	(Optional) hsrp group ifindex
TABLE_cHsrpExtIfEntry	(Optional) Use BIA info table
cHsrpExtIfUseBIA	(Optional) Use BIA enabled
cHsrpExtIfRowStatus	(Optional) Use BIA row status

Command Mode

- /exec

show hsrp internal bulk-db

show hsrp internal bulk-db { [<val1> [<val2>]] | [in-use-only] }

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
internal	HSRP internal information
bulk-db	Show HSRP bulk-db fields
val1	(Optional) (Start) Index in the db to dump
val2	(Optional) End Index in the db to dump
in-use-only	(Optional) Show only recs in use

Command Mode

- /exec

show hsrp internal counters

show hsrp internal counters [<value>]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
internal	HSRP internal information
counters	Show HSRP non-zero counters
value	(Optional) Specific counter

Command Mode

- /exec

show hsrp internal counters

show hsrp internal counters [<value>]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
internal	HSRP internal information
counters	Show HSRP non-zero counters
value	(Optional) Specific counter

Command Mode

- /exec

show hsrp internal debugs

show hsrp internal [event-history] debugs

Syntax Description

Syntax Description

show	Show running system information
hsrp	Show information about hsrp
internal	Show internal hsrp information
event-history	(Optional) Show various event logs of hsrp
debugs	Show debug logs of HSRP

Command Mode

- /exec

show hsrp internal errors

show hsrp internal [event-history] errors

Syntax Description

Syntax Description

show	Show running system information
hsrp	Show information about hsrp
internal	Show internal hsrp information
event-history	(Optional) Show various event logs of hsrp
errors	Show error logs of HSRP

Command Mode

- /exec

show hsrp internal info

show hsrp internal info [{ [global] | [interface <interface-id>] [group <group-number>] [active | init | learn | listen | speak | standby] + }]

Syntax Description

Syntax Description

show	Show running system information
hsrp	HSRP information
internal	Commands for internal use
info	Data structure display
global	(Optional) Global Data structure display only
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
active	(Optional) Groups in active state
init	(Optional) Groups in init state
listen	(Optional) Groups in listen state
standby	(Optional) Groups in standby state
learn	(Optional) Groups in learn state
speak	(Optional) Groups in speak state
group	(Optional) Group number
group-number	(Optional) Group Number

Command Mode

- /exec

show hsrp internal info fsrv

show hsrp internal info fsrv

Syntax Description

Syntax Description

show	Show running system information
hsrp	Show information about hsrp
internal	Show internal hsrp information
info	Data structure display
fsrv	Show HSRP global information(FSRV)

Command Mode

- /exec

show hsrp internal info pss-rec config

show hsrp internal info pss-rec { config | info } [{ interface <interface-id> group <group-number> { ipv4 | ipv6 } }]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
internal	HSRP internal information
info	Internal datastructure information display
pss-rec	HSRP PSS record
config	HSRP configuration records from pss
info	HSRP Running information records from pss
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
group	(Optional) Group number
group-number	(Optional) Group Number
ipv4	(Optional) Configure IP Version 4 group
ipv6	(Optional) Configure IP Version 6 group

Command Mode

- /exec

show hsrp internal mem-stats

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

Syntax Description

Syntax Description

show	Show running system information
hsrp	Show information about hsrp
internal	Show internal hsrp information
mem-stats	Show memory allocation statistics of HSRP
uuid	(Optional) Show stats only for this uuid
i0	(Optional) Enter uuid
hsrp-only	(Optional) Show stats of only HSRP Engine
detail	(Optional) Show detail memstats for hsrp

Command Mode

- /exec

show hsrp internal msgs

show hsrp internal [event-history] msgs

Syntax Description

Syntax Description

show	Show running system information
hsrp	Show information about hsrp
internal	Show internal hsrp information
event-history	(Optional) Show various event logs of hsrp
msgs	Show various message logs of HSRP

Command Mode

- /exec

show hsrp mgo

show hsrp mgo [name <name> | brief]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
mgo	Show HSRP mgo details
name	(Optional) Redundancy name string
name	(Optional) name string
brief	(Optional) show HSPR mgo brief

Command Mode

- /exec

show hsrp summary

show hsrp summary [__readonly__ <switchover_notify_rxed> <bfd_enabled> <num_of_groups> <num_of_v4_v1_groups> <num_of_v4_v2_groups> <num_of_v6_v2_groups> <num_of_active_groups> <num_of_standby_groups> <num_of_listen_groups> <num_of_v6_active_groups> <num_of_v6_standby_groups> <num_of_v6_listen_groups> <num_of_hsrp_enabled_ifs> <counter_pkts_tx> <counter_pkts_tx_failure> <counter_pkts_in> <counter_pkts_bad_vr> <counter_mts_rx>]

Syntax Description

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
summary	Show HSRP summary
__readonly__	(Optional)
switchover_notify_rxed	(Optional) Switchover notification received (1 => active)
bfd_enabled	(Optional) BFD status
num_of_groups	(Optional) Total number of groups
num_of_v4_v1_groups	(Optional) Number of IPv4 V1 groups
num_of_v4_v2_groups	(Optional) Number of IPv4 V2 groups
num_of_v6_v2_groups	(Optional) Number of IPv6 V2 groups
num_of_active_groups	(Optional) Number of active groups
num_of_standby_groups	(Optional) Number of standby groups
num_of_listen_groups	(Optional) Number of listen groups
num_of_v6_active_groups	(Optional) Number of IPv6 active groups
num_of_v6_standby_groups	(Optional) Number of IPv6 standby groups
num_of_v6_listen_groups	(Optional) Number of IPv6 listen groups
num_of_hsrp_enabled_ifs	(Optional) Number of HSRP enabled interfaces
counter_pkts_tx	(Optional) Number of packet transmission successes
counter_pkts_tx_failure	(Optional) Number of packet transmission failure
counter_pkts_in	(Optional) Number of packets received successfully
counter_pkts_bad_vr	(Optional) Number of packets for unknown groups
counter_mts_rx	(Optional) Number of MTS messages received

Command Mode

- /exec