H Show Commands

show hardware

show hardware

Syntax Description

show	Show running system information
hardware	Show hardware information

Command Mode

- /exec

show hardware access-list lou resource threshold

show hardware access-list lou resource threshold

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

Command Mode

- /exec

show hardware access-list resource pooling

show hardware access-list resource pooling

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

Command Mode

- /exec

show hardware access-list tcam

show hardware access-list tcam { { template { nfe | nfe2 | l2-l3 | l3 | <name> | all } } | { region } }

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

Command Mode

- /exec

show hardware capacity

show hardware capacity

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

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
eobc	EOBC resources

Command Mode

- /exec

show hardware capacity fabric-utilization

show hardware capacity fabric-utilization

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

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

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Usage levels
interface	Interface Resources - Tx/Rx drops and Tx/Rx buffers

Command Mode

- /exec

show hardware capacity module

show hardware capacity module

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
module	SUP, LC, XBAR

Command Mode

- /exec

show hardware capacity power

show hardware capacity power

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
power	power summary

Command Mode

- /exec

show hardware deduplication tah-age-history

show hardware deduplication tah-age-history [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
deduplication	De-duplication
tah-age-history	De-dup aged flows Information
module	(Optional) Slot/module
module	(Optional) Slot/module number

Command Mode

- /exec

show hardware deduplication tah-detail

show hardware deduplication tah-detail [tah-hw-table] [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
deduplication	De-duplication
tah-detail	De-dup Detail Information
tah-hw-table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module
module	(Optional) Slot/module number

Command Mode

- /exec

show hardware deduplication tah-summary

show hardware deduplication tah-summary [tah-hw-table | tah-info] [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
deduplication	De-duplication
tah-summary	De-dup Summary Information
tah-hw-table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
tah-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module
module	(Optional) Slot/module number

Command Mode

- /exec

show hardware fabricpath mac-learning module

show hardware fabricpath mac-learning module <module>

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

Command Mode

- /exec

show hardware feature-capability

show hardware feature-capability [detailed]

Syntax Description

show	Show running system information
hardware	Show hardware information
feature-capability	show registered features supported
detailed	(Optional) detailed

Command Mode

- /exec

show hardware flow aging

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

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

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

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 ipv6

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

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

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

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

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 tah-etrap

show hardware flow tah-etrap [module <module>] [{ unit <unit> slice <slice> }]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Traffic flow information
tah-etrap	Elephant Trap information
module	(Optional) Slot/module
module	(Optional) Slot/module number
unit	(Optional) Asic Number
unit	(Optional) Asic Number on the module
slice	(Optional) slice num on asic
slice	(Optional) slice number on asic

Command Mode

- /exec

show hardware flow utilization

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

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

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

Command Mode

- /exec

show hardware forwarding memory health detail

show hardware forwarding memory health detail

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

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 ip verify

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

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

Command Mode

- /exec

show hardware profile dlb

show hardware profile dlb

Syntax Description

show	Show running system information
hardware	Show hardware usage settings
profile	Profile settings
dlb	Dynamic Load Balancing

Command Mode

- /exec

show hardware profile forwarding-mode

show hardware profile forwarding-mode

Syntax Description

show	Show running system information
hardware	Show hardware profile forwarding-mode
profile	profile forwarding-mode
forwarding-mode	forwarding-mode

Command Mode

- /exec

show hardware profile module

show hardware profile module <module>

Syntax Description

show	Show running system information
hardware	Show hardware profile
profile	Profile settings
module	Enter module number
module	

Command Mode

- /exec

show hardware profile npu power

show hardware profile npu power [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
profile	Profile settings
npu	npu power profile
power	Power setting
module	(Optional) module
module	(Optional) please enter module number

Command Mode

- /exec

show hardware profile packet-drop

show hardware profile packet-drop { status | data [instance <cap_instance>] | event [instance <cap_instance>] }

Syntax Description

show	Show running system information
hardware	Change hardware usage settings
profile	Profile settings
packet-drop	Packet Drop parameters
status	Packet Drop status
data	Packet Drop circular-buffer data
instance	(Optional) Packet Drop captured instance
cap_instance	(Optional) Value 1-5
event	Packet Drop event-buffer data
instance	(Optional) Packet Drop captured instance
cap_instance	(Optional) Value 1-5

Command Mode

- /exec

show hardware profile portmode

{ show hardware profile portmode }

Syntax Description

show	Show running system information
hardware	Change hardware usage settings
profile	profile settings
portmode	QSFP port mode setting

Command Mode

- /exec

show hardware profile status

show hardware profile status [module <module>] [detail]

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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module number
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show hardware profile tcam region

show hardware profile tcam region

Syntax Description

show	Show running system information
hardware	Show hardware information
profile	profile
tcam	Show tcam parameters
region	Show tcam region sizes

Command Mode

- /exec

show hardware qos afd profile

show hardware qos afd profile [module <module>]

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

Command Mode

- /exec

show hardware qos burst-detect max-records

show hardware qos burst-detect max-records

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

Command Mode

- /exec

show hardware qos eoq stats-class

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

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

Command Mode

- /exec

show hardware qos include ipg

show hardware qos include ipg [module <module>]

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

Command Mode

- /exec

show hardware qos ing-pg-hdrm-reserve

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

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

Command Mode

- /exec

show hardware qos ing-pg-no-min

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

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

Command Mode

- /exec

show hardware qos ing-pg-share

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

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

Command Mode

- /exec

show hardware qos min-buffer

show hardware qos min-buffer [module <module>]

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

Command Mode

- /exec

show hardware qos ns-buffer-profile

show hardware qos ns-buffer-profile [module <module>]

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

Command Mode

- /exec

show hardware qos ns-mcq3-alias

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

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

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> | span-egress | urpf-fail]

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)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
module	(Optional) Specify a module number

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> | span-egress | urpf-fail]

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)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec

show hardware rate-limiter span-egress

show hardware rate-limiter span-egress

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
span-egress	SPAN/ERSPAN egress packets

Command Mode

- /exec

show hardware vxlan storm-control

show hardware vxlan storm-control

Syntax Description

show	Show running system information
hardware	Show hardware information
vxlan	VxLAN Information
storm-control	Storm Control Information

Command Mode

- /exec

show hostname

show { hostname | switchname }

Syntax Description

show	Show running system information
hostname	show the system's hostname
switchname	show the system's hostname

Command Mode

- /exec

show hosts

show hosts

Syntax Description

show	Show running system information
hosts	Show information about DNS

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]

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

Command Mode

- /exec

show hsrp anycast

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

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

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 remote-db

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

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

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>]]

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>]

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

Command Mode

- /exec

show hsrp mgo

show hsrp mgo [name <name> | brief]

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

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
summary	Show HSRP summary

Command Mode

- /exec