



## H Show Commands

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# 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          |
| <i>module</i>   | (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                    |
| <i>module</i> | (Optional) Slot/module number             |

## Command Mode

- /exec

# show hardware deduplication tah-summary

show hardware deduplication tah-summary [ tah-hw-table ] [ 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 |
| module        | (Optional) Slot/module                    |
| <i>module</i> | (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         |
| <i>module</i> | 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             |
| <i>inst</i> | (Optional) Earl Instance        |
| module      | (Optional) Line card module     |
| <i>num</i>  | (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           |
| <i>addr</i> | 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             |
| <i>inst</i> | (Optional) Earl Instance        |
| module      | (Optional) Line card module     |
| <i>num</i>  | (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      |
| <i>mname</i>     | (Optional) Netflow Flow Monitor Name |
| profile          | (Optional) Flow Profile              |
| <i>prof_id</i>   | (Optional) Netflow Profile ID        |
| vlan             | (Optional) Vlan commands             |
| <i>vlan_id</i>   | (Optional) VLAN ID 1-4094            |
| interface        | (Optional) Interface                 |
| <i>interface</i> | (Optional) Interface Name            |
| instance         | (Optional) Instance                  |
| <i>inst</i>      | (Optional) Earl Instance             |
| detail           | (Optional) Detailed Output Display   |
| module           | (Optional) Line card module          |
| <i>num</i>       | (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      |
| <i>mname</i>     | (Optional) Netflow Flow Monitor Name |
| profile          | (Optional) Flow Profile              |
| <i>prof_id</i>   | (Optional) Netflow Profile ID        |
| vlan             | (Optional) Vlan commands             |
| <i>vlan_id</i>   | (Optional) VLAN ID 1-4094            |
| interface        | (Optional) Interface                 |
| <i>interface</i> | (Optional) Interface Name            |
| instance         | (Optional) Instance                  |
| <i>inst</i>      | (Optional) Earl Instance             |
| detail           | (Optional) Detailed Output Display   |
| module           | (Optional) Line card module          |
| <i>num</i>       | (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      |
| <i>mname</i>   | (Optional) Netflow Flow Monitor Name |
| profile        | (Optional) Flow Profile              |
| <i>prof_id</i> | (Optional) Netflow Profile ID        |
| vlan           | (Optional) Vlan commands             |
| <i>vlan_id</i> | (Optional) VLAN ID 1-4094            |
| instance       | (Optional) Instance                  |
| <i>inst</i>    | (Optional) Earl Instance             |
| detail         | (Optional) Detailed Output Display   |
| module         | (Optional) Line card module          |
| <i>num</i>     | (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      |
| <i>mname</i>     | (Optional) Netflow Flow Monitor Name |
| profile          | (Optional) Flow Profile              |
| <i>prof_id</i>   | (Optional) Netflow Profile ID        |
| vlan             | (Optional) Vlan commands             |
| <i>vlan_id</i>   | (Optional) VLAN ID 1-4094            |
| interface        | (Optional) Interface                 |
| <i>interface</i> | (Optional) Interface Name            |
| instance         | (Optional) Instance                  |
| <i>inst</i>      | (Optional) Earl Instance             |
| detail           | (Optional) Detailed Output Display   |
| module           | (Optional) Line card module          |
| <i>num</i>       | (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              |
| <i>index</i> | Netflow Sampler Index              |
| name         | Netflow Sampler Name               |
| <i>sname</i> | Netflow Sampler Name               |
| detail       | (Optional) Detailed Output Display |
| instance     | (Optional) Instance                |
| <i>inst</i>  | (Optional) Clipper Instance        |
| module       | (Optional) Line card module        |
| <i>num</i>   | (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               |
| <i>module</i> | (Optional) Slot/module number        |
| unit          | (Optional) Asic Number               |
| <i>unit</i>   | (Optional) Asic Number on the module |
| slice         | (Optional) slice num on asic         |
| <i>slice</i>  | (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             |
| <i>inst</i> | (Optional) Earl Instance        |
| module      | (Optional) Line card module     |
| <i>num</i>  | (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                       |
| <i>module</i> | (Optional) Specify a module number                       |

## 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             |
| <i>module</i> |                                 |

## 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 |
| <i>cap_instance</i> | (Optional) Value 1-5                     |
| event               | Packet Drop event-buffer data            |
| instance            | (Optional) Packet Drop captured instance |
| <i>cap_instance</i> | (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  |
| <i>module</i> | (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    |
| <i>module</i> | (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                  |
| <i>module</i> | (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 include config                                    |
| ipg           | Show whether to include IPG in Shaping/Policing config |
| module        | (Optional) Specify a module number                     |
| <i>module</i> | (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 |
| <i>module</i>       | (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 |
| <i>module</i> | (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 |
| <i>module</i> | (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 |
| <i>module</i> | (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 |
| <i>module</i>     | (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              |
| <i>module</i> | (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> | fl <fl-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            |
| <i>l3-opts</i>    | (Optional)   |
| multicast         | (Optional) Multicast data packets                        |
| <i>mcast-opts</i> | (Optional)   |
| layer-2           | (Optional) Layer-2 control and Bridged packets           |
| <i>l2-opts</i>    | (Optional)   |
| <i>opts</i>       | (Optional)   |
| fl                | (Optional) Control packets from F1 modules to supervisor |
| <i>fl-opts</i>    | (Optional)   |
| span-egress       | (Optional) SPAN/ERSPAN egress packets                    |
| urpf-fail         | (Optional) URPF fail packets                             |
| module            | (Optional) Specify a module number                       |
| <i>module</i>     | (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> | fl <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            |
| <i>l3-opts</i>    | (Optional)   |
| multicast         | (Optional) Multicast data packets                        |
| <i>mcast-opts</i> | (Optional)   |
| layer-2           | (Optional) Layer-2 control and Bridged packets           |
| <i>l2-opts</i>    | (Optional)   |
| <i>opts</i>       | (Optional)   |
| fl                | (Optional) Control packets from F1 modules to supervisor |
| <i>f1-opts</i>    | (Optional)   |
| span-egress       | (Optional) SPAN/ERSPAN egress packets                    |
| urpf-fail         | (Optional) URPF fail packets                             |
| module            | (Optional) Specify a module number                       |
| <i>module</i>     | (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            |
| <i>interface-id</i> | (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                        |
| <i>group-number</i> | (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                               |
| <i>id</i> | (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                        |
| <i>id</i> | 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                        |
| <i>id</i> | (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            |
| <i>interface-id</i> | (Optional) Interface                           |
| to                  | (Optional) To IP address                       |
| <i>ipaddress</i>    | (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            |
| <i>interface-id</i> | (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              |
| <i>name</i> | (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