



## Cisco ME 3400 Ethernet Access Switch Show Platform Commands

---

This appendix describes the **show platform** privileged EXEC commands that have been created or changed for use with the Cisco ME 3400 Ethernet Access switch. These commands display information helpful in diagnosing and resolving internetworking problems and should be used only under the guidance of Cisco technical support staff.

# show platform acl

Use the **show platform acl** privileged EXEC command to display platform-dependent access control list (ACL) manager information.

```
show platform acl {interface interface-id | label label-number [detail] | statistics asic-number |
usage asic-number [summary] | vlan vlan-id} [ | {begin | exclude | include} expression]
```

Syntax Description		
<b>interface</b> <i>interface-id</i>	Display per-interface ACL manager information for the specified interface. The interface can be a physical interface or a VLAN.	
<b>label</b> <i>label-number</i> [detail]	Display per-label ACL manager information. The <i>label-number</i> range is 0 to 255. The keyword has this meaning:	<ul style="list-style-type: none"> <li><b>detail</b>—(Optional) Display detailed ACL manager label information.</li> </ul>
<b>statistics</b> <i>asic-number</i>	Display per-ASIC ACL statistics. The <i>asic-number</i> is the port ASIC number, always 0.	
<b>usage</b> <i>asic-number</i> [summary]	Display per-ASIC ACL usage. The <i>asic-number</i> is the port ASIC number, always 0. The keyword has this meaning:	<ul style="list-style-type: none"> <li><b>summary</b>—(Optional) Display brief usage information.</li> </ul>
<b>vlan</b> <i>vlan-id</i>	Display per-VLAN ACL manager information. The <i>vlan-id</i> range is from 1 to 4094.	
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .	
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .	
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .	
<i>expression</i>	Expression in the output to use as a reference point.	

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform configuration

Use the **show platform configuration** privileged EXEC command to display platform-dependent configuration-manager related information.

```
show platform configuration {config-output | default | running | startup} [ | {begin | exclude | include} expression]
```

Syntax Description		
	<b>config-output</b>	Display the output of the last auto-configuration application.
	<b>default</b>	Display whether or not the system is running the default configuration.
	<b>running</b>	Display a snapshot of the backed-up running configuration on the local switch.
	<b>startup</b>	Display a snapshot of the backed-up startup configuration on the local switch.
	<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
	<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
	<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
	<i>expression</i>	Expression in the output to use as a reference point.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform etherchannel

Use the **show platform etherchannel** privileged EXEC command to display platform-dependent EtherChannel information.

```
show platform etherchannel {flags | time-stamps} [ | {begin | exclude | include} expression]
```

Syntax Description	flags	Display EtherChannel port flags.
	time-stamps	Display EtherChannel time stamps.
	begin	(Optional) Display begins with the line that matches the <i>expression</i> .
	exclude	(Optional) Display excludes lines that match the <i>expression</i> .
	include	(Optional) Display includes lines that match the specified <i>expression</i> .
	<i>expression</i>	Expression in the output to use as a reference point.

Command Modes	Privileged EXEC
---------------	-----------------

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter **| exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform forward

Use the **show platform forward** privileged EXEC command for an interface to specify how the hardware would forward a frame that matches the specified parameters.

```
show platform forward interface-id [vlan vlan-id] src-mac dst-mac [l3protocol-id] [sap | snap]
[cos cos] [ip src-ip dst-ip [frag field] [dscp dscp] {l4protocol-id / icmp icmp-type icmp-code /
```

```
igmp igmp-version igmp-type / tcp src-port dst-port flags / udp src-port dst-port} [ | {begin |
```

```
exclude | include} expression]
```

## Syntax Description

<i>interface-id</i>	The input physical interface, the port on which the packet comes in to the switch (including type and port number).
<b>vlan</b> <i>vlan-id</i>	(Optional) Input VLAN ID. The range is 1 to 4094. If not specified, and the input interface is not a routed port, the default is 1.
<i>src-mac</i>	48-bit source MAC address.
<i>dst-mac</i>	48-bit destination MAC address.
<i>l3protocol-id</i>	(Optional) The Layer 3 protocol used in the packet. The number is a value 0 to 65535.
<b>sap</b>	(Optional) Service access point (SAP) encapsulation type.
<b>snap</b>	(Optional) Subnetwork Access Protocol (SNAP) encapsulation type.
<b>cos</b> <i>cos</i>	(Optional) Class of service (CoS) value of the frame. The range is 0 to 7.
<b>ip</b> <i>src-ip</i> <i>dst-ip</i>	(Optional, but required for IP packets) Source and destination IP addresses in dotted decimal notation.
<b>frag</b> <i>field</i>	(Optional) The IP fragment field for a fragmented IP packet. The range is 0 to 65535.
<b>dscp</b> <i>dscp</i>	(Optional) Differentiated Services Code Point (DSCP) field in the IP header. The range is 0 to 63.
<i>l4protocol-id</i>	The numeric value of the Layer 4 protocol field in the IP header. The range is 0 to 255. For example, 47 is generic routing encapsulation (GRE), and 89 is Open Shortest Path First (OSPF). If the protocol is TCP, UDP, ICMP, or IGMP, you should use the appropriate keyword instead of a numeric value.
<b>icmp</b> <i>icmp-type</i> <i>icmp-code</i>	Internet Control Message Protocol (ICMP) parameters. The <i>icmp-type</i> and <i>icmp-code</i> ranges are 0 to 255.
<b>igmp</b> <i>igmp-version</i> <i>igmp-type</i>	Internet Group Management Protocol (IGMP) parameters. The <i>igmp-version</i> range is 1 to 15; the <i>igmp-type</i> range is 0 to 15.
<b>tcp</b> <i>src-port</i> <i>dst-port</i> <i>flags</i>	TCP parameters: TCP source port, destination port, and the numeric value of the TCP flags byte in the header. The <i>src-port</i> and <i>dst-port</i> ranges are 0 to 65535. The flag range is from 0 to 1024.
<b>udp</b> <i>src-port</i> <i>dst-port</i>	User Datagram Protocol (UDP) parameters. The <i>src-port</i> and <i>dst-port</i> ranges are 0 to 65535.
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

## ■ show platform forward

**Note**


---

Though visible in the command-line help strings, the **ipv6** keyword is not supported.

---

**Command Modes**


---

Privileged EXEC

**Command History**

Release	Modification
12.2(25)EX	This command was introduced.

---

**Usage Guidelines**

You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

**Examples**


---

See the “Troubleshooting” chapter of the software configuration guide for this release for examples of the **show platform forward** command output displays and what they mean.

# show platform ip igmp snooping

Use the **show platform ip igmp snooping** privileged EXEC command to display platform-dependent Internet Group Management Protocol (IGMP) snooping information.

```
show platform ip igmp snooping { all | control [di] | counters | flood [vlan vlan-id] | group
ip-address | hardware | retry [count | local [count] | remote [count]] } [ | { begin | exclude |
include } expression ]
```

Syntax Description		
<b>all</b>		Display all IGMP snooping platform IP multicast information.
<b>control</b> [ <b>di</b> ]		Display IGMP snooping control entries. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>di</b>—(Optional) Display IGMP snooping control destination index entries.</li> </ul>
<b>counters</b>		Display IGMP snooping counters.
<b>flood</b> [ <b>vlan</b> <i>vlan-id</i> ]		Display IGMP snooping flood information. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>vlan</b> <i>vlan-id</i>—(Optional) Display flood information for the specified VLAN. The range is 1 to 4094.</li> </ul>
<b>group</b> <i>ip-address</i>		Display the IGMP snooping multicast group information, where <i>ip-address</i> is the IP address of the group.
<b>hardware</b>		Display IGMP snooping information loaded into hardware.
<b>retry</b> [ <b>count</b>   <b>local</b> [ <b>count</b> ]		Display IGMP snooping retry information. The keywords have these meanings: <ul style="list-style-type: none"> <li><b>count</b>—(Optional) Display only the retry count.</li> <li><b>local</b>—(Optional) Display local retry entries.</li> </ul>
<b>remote</b> [ <b>count</b> ]		Display remote entries. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>count</b>—(Optional) Display only the remote count.</li> </ul>
<b>begin</b>		(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>		(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>		(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>		Expression in the output to use as a reference point.

**Command Modes** Privileged EXEC

## Command History

Release	Modification
12.2(25)EX	This command was introduced.

---

**Usage Guidelines**

You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.



# show platform ip multicast

Use the **show platform ip multicast** privileged EXEC command to display platform-dependent IP multicast tables and other information.

```
show platform ip multicast { acl-full-info | counters | groups | hardware [detail] | interfaces |
locks | mdfs-routes | retry | trace } [ ] { begin | exclude | include } expression
```

Syntax Description		
<b>acl-full-info</b>		Display IP multicast routing access-control list (ACL) information, in particular the number of outgoing VLANs for which router ACLs at the output cannot be applied in hardware.
<b>counters</b>		Display IP multicast counters and statistics.
<b>groups</b>		Display IP multicast routes per group.
<b>hardware [detail]</b>		Display IP multicast routes loaded into hardware. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>detail</b>—(Optional) Display port members in destination index and route index.</li> </ul>
<b>interfaces</b>		Display IP multicast interfaces.
<b>locks</b>		Display IP multicast destination-index locks.
<b>mdfs-routes</b>		Display multicast distributed fast switching (MDFS) IP multicast routes.
<b>retry</b>		Display the IP multicast routes in the retry queue.
<b>trace</b>		Display the IP multicast trace buffer.
<b>begin</b>		(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>		(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>		(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>		Expression in the output to use as a reference point.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

## show platform ip unicast

Use the **show platform ip unicast** privileged EXEC command to display platform-dependent IP unicast routing information.

```
show platform ip unicast {adjacency | cef-idb | counts | dhcp | failed {adjacency | arp [A.B.C.D]
| route} | loadbalance | mpaths | route | standby | statistics | trace} [ | {begin | exclude |
include} expression]
```

Syntax Description	
<b>adjacency</b>	Display the platform adjacency database.
<b>cef-idb</b>	Display platform information corresponding to Cisco Express Forwarding (CEF) interface descriptor block.
<b>counts</b>	Display the current counts for the Layer 3 unicast databases.
<b>dhcp</b>	Display the DHCP system dynamic addresses.
<b>failed {adjacency   arp [A.B.C.D]   route}</b>	Display the hardware resource failures. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>adjacency</b>—Display the adjacency entries that failed to be programmed in hardware.</li> <li>• <b>arp</b>—Display the Address Resolution Protocol (ARP) deletions because of failure and because of retries.</li> <li>• <b>A.B.C.D</b>—(Optional) Prefix of the ARP entries to display.</li> <li>• <b>route</b>—Display the route entries that failed to be programmed in hardware.</li> </ul>
<b>loadbalance</b>	Display the platform load balancing database.
<b>mpaths</b>	Display the Layer 3 unicast routing multipath adjacency database.
<b>route</b>	Display the platform route database.
<b>standby</b>	Display the platform standby information.
<b>statistics</b>	Display the Layer 3 unicast routing accumulated statistics.
<b>trace</b>	Display the platform event trace logs.
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.



### Note

Though visible in the command-line help strings, the **proxy** and **table** keywords are not supported.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

---

**Usage Guidelines**

You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

## show platform ipc trace

Use the **show platform ipc trace** privileged EXEC command to display platform-dependent Interprocess Communication (IPC) Protocol trace log information.

```
show platform ipc trace [ | { begin | exclude | include } expression]
```

Syntax Description	<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
	<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
	<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
	<i>expression</i>	Expression in the output to use as a reference point.

Command Modes	Privileged EXEC
---------------	-----------------

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

Usage Guidelines	You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.
------------------	--

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform layer4op

Use the **show platform layer4op** privileged EXEC command to display platform-dependent Layer 4 operator information.

```
show platform layer4op {acl | qos [port-asic]} {and-or | map | or-and | vcu} [| {begin | exclude | include} expression]
```

Syntax Description	
<b>acl</b>	Display access control list (ACL) Layer 4 operators information.
<b>qos</b> [ <i>port-asic</i> ]	Display quality of service (QoS) Layer 4 operators information. The keyword has this meaning: <ul style="list-style-type: none"> <li><i>port-asic</i>—(Optional) QoS port ASIC number. The value can be 0 or 1.</li> </ul>
<b>and-or</b>	Display AND-OR registers information.
<b>map</b>	Display select map information.
<b>or-and</b>	Display OR-AND registers information.
<b>vcu</b>	Display value compare unit (VCU) register information.
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

## show platform mac-address-table

Use the **show platform mac-address-table** privileged EXEC command to display platform-dependent MAC address table information.

```
show platform mac-address-table [aging-array | hash-table | mac-address mac-address] [vlan
  vlan-id] [| {begin | exclude | include} expression]
```

Syntax Description		
<b>aging-array</b>	(Optional)	Display the MAC address table aging array.
<b>hash-table</b>	(Optional)	Display the MAC address table hash table.
<b>mac-address</b> <i>mac-address</i>	(Optional)	Display the MAC address table MAC address information, where <i>mac-address</i> is the 48-bit hardware address.
<b>vlan</b> <i>vlan-id</i>	(Optional)	Display information for the specified VLAN. The range is 1 to 4094.
<b>begin</b>	(Optional)	Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional)	Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional)	Display includes lines that match the specified <i>expression</i> .
<i>expression</i>		Expression in the output to use as a reference point.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform messaging

Use the **show platform messaging** privileged EXEC command to display platform-dependent application and performance message information.

```
show platform messaging { application [incoming | outgoing | summary] | hiperf
  [class-number] } [ | { begin | exclude | include } expression ]
```

Syntax Description	
<b>application</b> [ <b>incoming</b>   <b>outgoing</b>   <b>summary</b> ]	Display application message information. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>incoming</b>—(Optional) Display only information about incoming application messaging requests.</li> <li>• <b>outgoing</b>—(Optional) Display only information about incoming application messaging requests.</li> <li>• <b>summary</b>—(Optional) Display summary information about all application messaging requests.</li> </ul>
<b>hiperf</b> [ <i>class-number</i> ]	Display outgoing high-performance message information. Specify the <i>class-number</i> option to display information about high-performance messages for this class number. The range is 0 to 36.
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

## show platform monitor

Use the **show platform monitor** privileged EXEC command to display platform-dependent Switched Port Analyzer (SPAN) information.

```
show platform monitor [session session-number] [ | {begin | exclude | include} expression]
```

### Syntax Description

<b>session</b> <i>session-number</i>	(Optional) Display SPAN information for the specified SPAN session. The range is 1 to 66.
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

### Command Modes

Privileged EXEC

### Command History

Release	Modification
12.2(25)EX	This command was introduced.

### Usage Guidelines

You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.



# show platform mvr table

Use the **show platform mvr table** privileged EXEC command to display the platform-dependent Multicast VLAN Registration (MVR) multi-expansion descriptor (MED) group mapping table.

**show platform mvr table** [ | {**begin** | **exclude** | **include**} *expression*]

Syntax Description		
<b>begin</b>	(Optional)	Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional)	Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional)	Display includes lines that match the specified <i>expression</i> .
<i>expression</i>		Expression in the output to use as a reference point.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with a technical support representative while troubleshooting a problem. Do not use this command unless a technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

## show platform policer cpu

Use the **show platform policer cpu** privileged EXEC command to display CPU control-plane policer statistics per feature or the indexes and the corresponding feature for the specified port.

```
show platform control-plane policer { classification | interface interface-id } [ | { begin | exclude | include } expression ]
```

### Syntax Description

<b>classification</b>	Displays policer statistics per feature.
<b>interface</b> <i>interface-id</i>	Display the policer indexes for a specific interface.
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

### Command Modes

Privileged EXEC

### Command History

Release	Modification
12.2(25)EX	This command was introduced.

### Usage Guidelines

For CPU protection of UNIs, the switch pre-allocates the 27 CPU protection policers, numbered 0 to 26. A policer of 26 means a drop policer; any traffic type shown as 26 on any port is dropped. A policer of a value of 0 to 25 means that a rate-limiting policer is assigned to the port for the control protocol. A policer value of 255 means that no policer is assigned to a control protocol.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* are not displayed, but the lines that contain *Output* are displayed.

**Examples**

This is an example of output from the **show platform policer cpu classification** command:

```
Switch# show platform policer cpu classification
=====
SWITCH 1
=====
Feature                               Bytes           Frames
=====
STP                                    8686592         135728
LACP                                   0               0
8021X                                  0               0
RSVD_STP                               0               0
PVST_PLUS                              0               0
CDP                                     1819452         4526
DTP                                     0               0
UDLD                                    0               0
PAGP                                    0               0
VTP                                     0               0
CISCO_L2                               0               0
KEEPALIVE                              0               0
SWITCH_MAC                             0               0
SWITCH_ROUTER_MAC                      1216            19
SWITCH_IGMP                            289408          4522
SWITCH_L2PT                             0               0
```

This is an example of output from the **show platform policer cpu interface** command for a user network interface (UNI):

```
Switch# show platform policer cpu interface fastethernet 0/1
Policers assigned for CPU protection
=====
Feature                               Policer         Physical
                               Index           Policer
=====
Fa0/1
STP                                    1              26
LACP                                   2              26
8021X                                  3              26
RSVD_STP                               4              26
PVST_PLUS                              5              26
CDP                                     6              26
DTP                                     7              26
UDLD                                    8              26
PAGP                                    9              26
VTP                                    10             26
CISCO_L2                               11             26
KEEPALIVE                              12             0
SWITCH_MAC                             13             26
SWITCH_ROUTER_MAC                      14             26
SWITCH_IGMP                            15             0
SWITCH_L2PT                             16             26
```

## ■ show platform policer cpu

This is an example of output from the **show platform policer cpu interface** command for a network node interface (NNI). CPU policers are used only on UNIs. The policer value of 255 means that no policer is assigned to any control protocol.

```
Switch# show platform policer cpu interface gigabitethernet 0/1
Policers assigned for CPU protection
```

```
=====
Feature                               Policer      Physical
Index                                   Policer
=====
Gi0/1
STP                                     1            255
LACP                                    2            255
8021X                                    3            255
RSVD_STP                                4            255
PVST_PLUS                                5            255
CDP                                       6            255
DTP                                       7            255
UDLD                                      8            255
PAGP                                     9            255
VTP                                      10           255
CISCO_L2                                 11           255
KEEPALIVE                                12           255
SWITCH_MAC                                13           255
SWITCH_ROUTER_MAC                        14           255
SWITCH_IGMP                              15           255
SWITCH_L2PT                              16           255
```

**Related Commands**

Command	Description
<a href="#">show policer cpu uni</a>	Displays control-plane policer information for the switch.

# show platform pm

Use the **show platform pm** privileged EXEC command to display platform-dependent port-manager information.

```
show platform pm { counters | group-masks | idbs { active-idbs | deleted-idbs } | if-numbers |
link-status | platform-block | port-info interface-id | vlan { info | line-state }
[ | { begin | exclude | include } expression ]
```

Syntax Description		
<b>counters</b>		Display module counters information.
<b>group-masks</b>		Display EtherChannel group masks information.
<b>idbs { active-idbs   deleted-idbs }</b>		Display interface data block (IDB) information. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>active-idbs</b>—Display active IDB information.</li> <li>• <b>deleted-idbs</b>—Display deleted and leaked IDB information.</li> </ul>
<b>if-numbers</b>		Display interface numbers information.
<b>link-status</b>		Display local port link status information.
<b>platform-block</b>		Display platform port block information.
<b>port-info interface-id</b>		Display port administrative and operation fields for the specified interface.
<b>vlan { info   line-state }</b>		Display platform VLAN information. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>info</b>—Display information for active VLANs.</li> <li>• <b>line-state</b>—Display line-state information.</li> </ul>
<b>begin</b>		(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>		(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>		(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>		Expression in the output to use as a reference point.



## Note

Though visible in the command-line help strings, the **stack-view** keyword is not supported.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

---

**Usage Guidelines**

You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform port-asic

Use the **show platform port-asic** privileged EXEC command to display platform-dependent port application-specific integrated circuit (ASIC) register information.

```
show platform port-asic {cpu-queue-map-table [asic number | port number [asic number]] |
  dest-map index number | etherchannel-info [asic number | port number [asic number]] |
  exception [asic number | port number [asic number]] | global-status [asic number |
  port number [asic number]] | learning [asic number | port number [asic number]] |
  mac-info [asic number | port number [asic number]] | mvid [asic number] |
  packet-info-ram [asic number | index number [asic number]] |
  port-info [asic number | port number [asic number]] |
  prog-parser [asic number | port number [asic number]] |
  receive {buffer-queue | port-fifo | supervisor-sram} [asic number | port number [asic
  number]] | span [vlan-id [asic number] | [asic number]
  stats {drop | enqueue | miscellaneous | supervisor} [asic number | port number [asic
  number]] |
  transmit {port-fifo | queue | supervisor-sram} [asic number | port number [asic number]]
  vct [asic number | port number [asic number]]
  [ | {begin | exclude | include} expression]
```

Syntax	Description
<b>cpu-queue-map-table</b> [asic number   port number [asic number]]	Display the CPU queue-map table entries. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The range is 0 to 1.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27.</li> </ul>
<b>dest-map index</b> number	Display destination-map information for the specified index. The range is 0 to 65535.
<b>etherchannel-info</b> [asic number   port number [asic number]]	Display the contents of the EtherChannel information register. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>
<b>exception</b> [asic number   port number [asic number]]	Display the exception-index register information. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>

<b>global-status</b> [ <i>asic number</i>   <i>port number</i> [ <i>asic number</i> ]]	<p>Display global and interrupt status. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>
<b>learning</b> [ <i>asic number</i>   <i>port number</i> [ <i>asic number</i> ]]	<p>Display entries in the learning cache. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>
<b>mac-info</b> [ <i>asic number</i>   <i>port number</i> [ <i>asic number</i> ]]	<p>Display the contents of the MAC information register. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>
<b>mvid</b> [ <i>asic number</i> ]	<p>Display the mapped VLAN ID table. The keyword has this meaning:</p> <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> </ul>
<b>packet-info-ram</b> [ <i>asic number</i>   <i>index number</i> [ <i>asic number</i> ]]	<p>Display the packet information RAM. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>index number</b>—(Optional) Display information for the specified packet RAM index number and ASIC number. The range is 0 to 63.</li> </ul>
<b>port-info</b> [ <i>asic number</i>   <i>port number</i> [ <i>asic number</i> ]]	<p>Display port information register values. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>



<b>prog-parser</b> [ <i>asic number</i>   <b>port number</b> [ <i>asic number</i> ]]	<p>Display the programmable parser tables. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>
<b>receive</b> { <b>buffer-queue</b>   <b>port-fifo</b>   <b>supervisor-sram</b> } [ <i>asic number</i>   <b>port number</b> [ <i>asic number</i> ]]	<p>Display receive information. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>buffer-queue</b>—Display the buffer queue information.</li> <li>• <b>port-fifo</b>—Display the port-FIFO information.</li> <li>• <b>supervisor-sram</b>—Display the supervisor static RAM (SRAM) information.</li> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>
<b>span</b> [ <i>vlan-id</i>   <b>asic number</b> ]	<p>Display the Switched Port Analyzer (SPAN)-related information. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <i>vlan-id</i>—(Optional) Display information for the specified VLAN. The range is 0 to 1023.</li> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> </ul>
<b>stats</b> { <b>drop</b>   <b>enqueue</b>   <b>miscellaneous</b>   <b>supervisor</b> } [ <i>asic number</i>   <b>port number</b> [ <i>asic number</i> ]]	<p>Display raw statistics for the port ASIC. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>drop</b>—Display drop statistics.</li> <li>• <b>enqueue</b>—Display enqueue statistics.</li> <li>• <b>miscellaneous</b>—Display miscellaneous statistics.</li> <li>• <b>supervisor</b>—Display supervisor statistics.</li> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The number is always 0.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>

<b>transmit</b> { <b>port-fifo</b>   <b>queue</b>   <b>supervisor-sram</b> } [ <b>asic number</b>   <b>port number</b> [ <b>asic number</b> ]]	<p>Display transmit information. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>port-fifo</b>—Display the contents of the port-FIFO information register.</li> <li>• <b>queue</b>—Display the contents of the queue information register.</li> <li>• <b>supervisor-sram</b>—Display supervisor SRAM information.</li> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The range is 0 to 1.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>
<b>vct</b> [ <b>asic number</b>   <b>port number</b> [ <b>asic number</b> ]]	<p>Display the VLAN compression table entries for the specified ASIC or for the specified port and ASIC. The keywords have these meanings:</p> <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information for the specified ASIC. The range is 0 to 1.</li> <li>• <b>port number</b>—(Optional) Display information for the specified port and ASIC number. The range is 0 to 27, where 0 is the supervisor and 1 to 25 are the ports.</li> </ul>
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

**Note**

Though visible in the command-line help strings, the **stack** { **control** | **dest-map** | **learning** | **messages** | **mvid** | **prog-parser** | **span** | **stats** [**asic number** | **port number** [**asic number**]] keywords are not supported.

**Command Modes**

Privileged EXEC

**Command History**

Release	Modification
12.2(25)EX	This command was introduced.

**Usage Guidelines**

You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform port-security

Use the **show platform port-security** privileged EXEC command to display platform-dependent port-security information.

```
show platform port-security [ | {begin | exclude | include} expression]
```

Syntax Description		
<b>begin</b>	(Optional)	Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional)	Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional)	Display includes lines that match the specified <i>expression</i> .
<i>expression</i>		Expression in the output to use as a reference point.

Command Modes	
	Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

## show platform qos

Use the **show platform qos** privileged EXEC command to display platform-dependent quality of service (QoS) information.

```
show platform qos debug [aggregate-policer aggregate-policer-name | global-config |
input-queue | [interface [interface-id] [buffers | policers | queuing] ] | label-table
[dynamic-label {dscp value cos value | label-number value | policy-map policy-map-name
class-map class-map-name} [asic number] | policer {parameter-table | qos-table|
selection-table} [asic number] | policy-map policy-map-name [asic number] | port-class [asic
number] | port-config port-number [asic number] | port-info port-number [asic number] |
table-map | vlan vlan-id] [ | {begin | exclude | include} expression]
```

```
show platform qos statistics [interface [interface-id] ] [ | {begin | exclude | include} expression]
```

Syntax Description	debug	Display QoS debug messages for the switch or for the specified keyword.
<b>aggregate-policer</b> <i>aggregate-policer-name</i>	(Optional) Display QoS aggregate policer information for the specified aggregate policer.	
<b>global-config</b>	(Optional) Display QoS global configuration information.	
<b>input-queue</b>	(Optional) Display QoS input queue information.	
<b>interface</b> [ <i>interface-id</i> ] [ <b>buffers</b>   <b>policers</b>   <b>queuing</b> ]	(Optional) Display QoS information for all interfaces or the specified interface. The keywords have these meanings: <ul style="list-style-type: none"> <li><b>buffers</b>—(Optional) Display information about QoS buffers.</li> <li><b>policers</b>—(Optional) Display information about QoS policers.</li> <li><b>queuing</b>—(Optional) Display information about QoS output queues.</li> </ul>	
<b>label-table</b> [ <b>dynamic-label</b> { <b>dscp</b> <i>value</i> <b>cos</b> <i>value</i>   <b>label-number</b> <i>value</i>   <b>policy-map</b> <i>policy-map-name</i> <b>class-map</b> <i>class-map-name</i> } [ <b>asic</b> <i>number</i> ]	(Optional) Display QoS label table information. The keywords have these meanings: <ul style="list-style-type: none"> <li><b>dynamic-label</b>—(Optional) Display dynamic label information.</li> <li><b>dscp</b> <i>value</i> <b>cos</b> <i>value</i>—Display information based on Differentiated Services Code Point (DSCP) value (0 to 63) and class of service (CoS) value (0 to 7).</li> <li><b>label-number</b> <i>value</i>—Display information based on the dynamic label number. The range is from 158 to 255.</li> <li><b>policy-map</b> <i>policy-map-name</i> <b>class-map</b> <i>class-map-name</i>—Display information for the specified policy map and class map.</li> <li><b>asic</b> <i>number</i>—(Optional) Display information based on the port ASIC number. The number is always 0.</li> </ul>	

<b>policer</b> { <b>parameter-table</b>   <b>qos-table</b>   <b>selection-table</b> } [ <b>asic number</b> ]	(Optional) Display QoS policer information. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>parameter-table</b>—Display the policer parameter table.</li> <li>• <b>qos-table</b>—Display the policer QoS table.</li> <li>• <b>selection-table</b>—Display the port allocation table.</li> <li>• <b>asic number</b>—(Optional) Display information based on the port ASIC number. The number is always 0.</li> </ul>
<b>policy-map</b> <i>policy-map-name</i> [ <b>asic number</b> ]	(Optional) Display QoS information for the specified policy map. <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information based on the port ASIC number. The number is always 0.</li> </ul>
<b>port-class</b> [ <b>asic number</b> ]	(Optional) Display QoS port class tables. <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information based on the port ASIC number. The number is always 0.</li> </ul>
<b>port-config</b> <i>port-number</i> [ <b>asic number</b> ]	(Optional) Display QoS port configuration information. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <i>port-number</i>—Display QoS configuration for the specified port number. The range is 0 to 25.</li> <li>• <b>asic number</b>—(Optional) Display information based on the port ASIC number. The number is always 0.</li> </ul>
<b>port-info</b> <i>port-number</i> [ <b>asic number</b> ]	(Optional) Display QoS port information. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <i>port-number</i>—Display QoS configuration for the specified port number. The range is 0 to 25.</li> <li>• <b>asic number</b>—(Optional) Display information based on the port ASIC number. The number is always 0.</li> </ul>
<b>table-map</b> <i>table-map-name</i> [ <b>asic number</b> ]	(Optional) Display QoS information for the specified table map. <ul style="list-style-type: none"> <li>• <b>asic number</b>—(Optional) Display information based on the port ASIC number. The number is always 0.</li> </ul>
<b>vlan</b> <i>vlan-id</i>	(Optional) Display QoS information for the specified VLAN. The range is 1 to 4094.
<b>statistics</b>	Display QoS interface statistics.
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

**Command Modes**

Privileged EXEC

■ show platform qos

---

**Command History**

Release	Modification
12.2(25)EX	This command was introduced.

---

---

**Usage Guidelines**

You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform resource-manager

Use the **show platform resource-manager** privileged EXEC command to display platform-dependent resource-manager information.

```
show platform resource-manager { dm [index number] | erd [index number] |
mad [index number] | med [index number] | mod | msm { hash-table [vlan vlan-id] |
mac-address mac-address [vlan vlan-id]} | sd [index number] | vld [index number]} [ | { begin
| exclude | include } expression]
```

Syntax	Description
<b>dm</b> [ <i>index number</i> ]	Display the destination map. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>index number</b>—(Optional) Display the specified index. The range is 0 to 65535.</li> </ul>
<b>erd</b> [ <i>index number</i> ]	Display the equal-cost-route descriptor table for the specified index. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>index number</b>—(Optional) Display the specified index. The range is 0 to 65535.</li> </ul>
<b>mad</b> [ <i>index number</i> ]	Display the MAC-address descriptor table for the specified index. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>index number</b>—(Optional) Display the specified index. The range is 0 to 65535.</li> </ul>
<b>med</b> [ <i>index number</i> ]	Display the multi-expansion descriptor table for the specified index. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>index number</b>—(Optional) Display the specified index. The range is 0 to 65535.</li> </ul>
<b>mod</b>	Display the resource-manager module information.
<b>msm</b> { <b>hash-table</b> [ <b>vlan</b> <i>vlan-id</i> ]   <b>mac-address</b> <i>mac-address</i> [ <b>vlan</b> <i>vlan-id</i> ]}   <b>sd</b> [ <i>index number</i> ]   <b>vld</b> [ <i>index number</i> ]	Display the MAC-address station descriptor table. The keywords have these meanings: <ul style="list-style-type: none"> <li><b>hash-table</b>—Display the msm hash table.</li> <li><b>mac-address</b> <i>mac-address</i>—Display the table for the specified MAC address.</li> <li><b>vlan</b> <i>vlan-id</i>—(Optional) Display the table for the specified VLAN. The range is 1 to 4094.</li> </ul>
<b>sd</b> [ <i>index number</i> ]	Display the station descriptor table for the specified index. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>index number</b>—(Optional) Display the specified index. The range is 0 to 65535.</li> </ul>
<b>vld</b> [ <i>index number</i> ]	Display the VLAN-list descriptor table for the specified index. The keyword has this meaning: <ul style="list-style-type: none"> <li><b>index number</b>—(Optional) Display the specified index. The range is 0 to 65535.</li> </ul>
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .

## ■ show platform resource-manager

<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.



# show platform snmp counters

Use the **show platform snmp counters** privileged EXEC command to display platform-dependent Simple Network Management Protocol (SNMP) counter information.

```
show platform snmp counters [ | { begin | exclude | include } expression ]
```

Syntax Description	
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

Command Modes	
	Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

## show platform spanning-tree synchronization

Use the **show platform spanning-tree synchronization** privileged EXEC command to display platform-dependent spanning-tree state synchronization information.

```
show platform spanning-tree synchronization [detail | vlan vlan-id] [ | { begin | exclude | include } expression]
```

Syntax Description		
<b>detail</b>	(Optional)	Display detailed spanning-tree synchronization information.
<b>vlan</b> <i>vlan-id</i>	(Optional)	Display spanning-tree synchronization information for the specified VLAN. The range is 1 to 4094.
<b>begin</b>	(Optional)	Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional)	Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional)	Display includes lines that match the specified <i>expression</i> .
<i>expression</i>		Expression in the output to use as a reference point.

Command Modes	
	Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines**

You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform stp-instance

Use the **show platform stp-instance** privileged EXEC command to display platform-dependent spanning-tree instance information.

```
show platform stp-instance vlan-id [ | { begin | exclude | include } expression ]
```

Syntax Description		
<i>vlan-id</i>		Display spanning-tree instance information for the specified VLAN. The range is 1 to 4094.
<b>begin</b>		(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>		(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>		(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>		Expression in the output to use as a reference point.

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

**Usage Guidelines** You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform tcam

Use the **show platform tcam** privileged EXEC command to display platform-dependent ternary content addressable memory (TCAM) driver information.

```
show platform tcam {handle number | log-results | table {acl | all | equal-cost-route | local |
mac-address | multicast-expansion | qos | secondary | station | vlan-list} | usage} [asic
number [detail [invalid]] | [index number [detail [invalid]] | invalid | num number [detail
[invalid]] | invalid] | [invalid] | [num number [detail [invalid]] | invalid]] [ | {begin | exclude
| include} expression]
```

```
show platform tcam table acl [asic number [detail [invalid]] | [index number [detail [invalid]] |
invalid | num number [detail [invalid]] | invalid] | [invalid] | [num number [detail [invalid]]
| invalid]] [ | {begin | exclude | include} expression]
```

```
show platform tcam table all [asic number [detail [invalid]] | [index number [detail [invalid]] |
invalid | num number [detail [invalid]] | invalid] | [invalid] | [num number [detail [invalid]]
| invalid]] [ | {begin | exclude | include} expression]
```

```
show platform tcam table equal-cost-route [asic number [detail [invalid]] | [index number
[detail [invalid]] | invalid | num number [detail [invalid]] | invalid] | [invalid] | [num number
[detail [invalid]] | invalid]] [ | {begin | exclude | include} expression]
```

```
show platform tcam table local [asic number [detail [invalid]] | [index number [detail [invalid]]
| invalid | num number [detail [invalid]] | invalid] | [invalid] | [num number [detail [invalid]]
| invalid]] [ | {begin | exclude | include} expression]
```

```
show platform tcam table mac-address [asic number [detail [invalid]] | [index number [detail
[invalid]] | invalid | num number [detail [invalid]] | invalid] | [invalid] | [num number [detail
[invalid]] | invalid]] [ | {begin | exclude | include} expression]
```

```
show platform tcam table qos [asic number [detail [invalid]] | [index number [detail [invalid]] |
invalid | num number [detail [invalid]] | invalid] | [invalid] | [num number [detail [invalid]]
| invalid]] [ | {begin | exclude | include} expression]
```

```
show platform tcam table secondary [asic number [detail [invalid]] | [index number [detail
[invalid]] | invalid | num number [detail [invalid]] | invalid] | [invalid] | [num number [detail
[invalid]] | invalid]] [ | {begin | exclude | include} expression]
```

```
show platform tcam table station [asic number [detail [invalid]] | [index number [detail
[invalid]] | invalid | num number [detail [invalid]] | invalid] | [invalid] | [num number [detail
[invalid]] | invalid]] [ | {begin | exclude | include} expression]
```

```
show platform tcam table vlan-list [[asic number [detail [invalid]] | [index number [detail
[invalid]] | invalid | num number [detail [invalid]] | invalid] | [invalid] | [num number [detail
[invalid]] | invalid]] [ | {begin | exclude | include} expression]
```

## Syntax Description

<b>handle</b> <i>number</i>	Display the TCAM handle. The range is 0 to 4294967295.
<b>log-results</b>	Display the TCAM log results.

<b>table</b> { <b>acl</b>   <b>all</b>   <b>equal-cost-route</b>   <b>ipv6</b> { <b>acl</b>   <b>qos</b>   <b>secondary</b> }   <b>local</b>   <b>mac-address</b>   <b>qos</b>   <b>secondary</b>   <b>station</b>   <b>vlan-list</b> }	Display lookup and forwarding table information. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>acl</b>—Display the access-control list (ACL) table.</li> <li>• <b>all</b>—Display all the TCAM tables.</li> <li>• <b>equal-cost-route</b>—Display the equal-cost-route table.</li> <li>• <b>local</b>—Display the local table.</li> <li>• <b>mac-address</b>—Display the MAC-address table.</li> <li>• <b>qos</b>—Display the QoS table.</li> <li>• <b>secondary</b>—Display the secondary table.</li> <li>• <b>station</b>—Display the station table.</li> <li>• <b>vlan-list</b>—Display the VLAN list table.</li> </ul>
<b>usage</b>	Display the CAM and forwarding table usage.
[[ <b>asic</b> <i>number</i> [ <b>detail</b> [ <b>invalid</b> ]]]   [ <b>index</b> <i>number</i> [ <b>detail</b> [ <b>invalid</b> ]]]   <b>invalid</b>   <b>num</b> <i>number</i> [ <b>detail</b> [ <b>invalid</b> ]]   [ <b>invalid</b> ]   [ <b>invalid</b> ]   [ <b>invalid</b> ]   [ <b>num</b> <i>number</i> [ <b>detail</b> [ <b>invalid</b> ]]]   [ <b>invalid</b> ]]	Display information. The keywords have these meanings: <ul style="list-style-type: none"> <li>• <b>asic</b> <i>number</i>—Display information for the specified ASIC device ID. The range is 0 to 15.</li> <li>• <b>detail</b> [<b>invalid</b>]—(Optional) Display valid or invalid details.</li> <li>• <b>index</b> <i>number</i>—(Optional) Display information for the specified TCAM table index. The range is 0 to 32768.</li> <li>• <b>num</b> <i>number</i>—(Optional) Display information for the specified TCAM table number. The range is 0 to 32768.</li> </ul>
<b>begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.

**Note**

Though visible in the command-line help strings, the **ipv6**, **multicast-expansion** and **usage** keywords are not supported.

<b>Command Modes</b>	Privileged EXEC
----------------------	-----------------

Command History	Release	Modification
	12.2(25)EX	This command was introduced.

---

**Usage Guidelines**

You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter | **exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

# show platform vlan

Use the **show platform vlan** privileged EXEC command to display platform-dependent VLAN information.

```
show platform vlan {misc | mvid | refcount | rpc {receive | transmit}} [ | {begin | exclude | include} expression]
```

## Syntax Description

<b>misc</b>	Display miscellaneous VLAN module information.
<b>mvid</b>	Display the mapped VLAN ID (MVID) allocation information.
<b>refcount</b>	Display the VLAN lock module-wise reference counts.
<b>rpc {receive   transmit}</b>	Display remote procedure call (RPC) messages. The keywords have these meanings: <ul style="list-style-type: none"> <li><b>receive</b>—Display received information.</li> <li><b>transmit</b>—Display sent information.</li> </ul>
<b>  begin</b>	(Optional) Display begins with the line that matches the <i>expression</i> .
<b>  exclude</b>	(Optional) Display excludes lines that match the <i>expression</i> .
<b>  include</b>	(Optional) Display includes lines that match the specified <i>expression</i> .
<i>expression</i>	Expression in the output to use as a reference point.



## Note

Though visible in the command-line help strings, the **prune** keyword is not supported.

## Command Modes

Privileged EXEC

## Command History

Release	Modification
12.2(25)EX	This command was introduced.

## Usage Guidelines

You should use this command only when you are working directly with your technical support representative while troubleshooting a problem. Do not use this command unless your technical support representative asks you to do so.

Expressions are case sensitive. For example, if you enter **| exclude output**, the lines that contain *output* do not appear, but the lines that contain *Output* appear.

■ show platform vlan