

show default

Use the **show default** command to check the status of the default port status setting.

show default

Syntax Description This command has no keywords or arguments.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines The command shows whether the **set default portstatus** command is in disable or enable mode.

Examples This example shows how to display the status of the default port status:

```
Console> (enable) show default
portstatus: disable
Console> (enable)
```

Related Commands **set default portstatus**

show environment

Use the **show environment** command to display system status information.

show environment [**temperature** | **all**]

Syntax Description	
temperature	(Optional) Keyword to display temperature information.
all	(Optional) Keyword to display environmental status information (for example, power supply, fan status, and temperature information) and information about the power available to the system.

Defaults If you do not enter a keyword, environmental status information (for example, power supply, fan status, and temperature information) only is displayed.

Command Types Switch command.

Command Modes Normal.

Usage Guidelines In the output of the **show environment temperature** and **show environment all** commands, you will notice three slot 1 displays. The first slot 1 is the actual supervisor engine. The second slot 1 is the switching engine, which is on the supervisor engine (slot 1) and has its own Intake, Exhaust, Device 1, and Device 2 temperature outputs. The third slot 1 is the MSFC, which is also on the supervisor engine, and has its own Intake, Exhaust, Device 1, and Device 2 temperature outputs.

Examples This example shows how to display environmental status information:

```

Console> show environment
Environmental Status (. = Pass, F = Fail, U = Unknown, N = Not Present)
PS1:.. PS2:N PS1 Fan:.. PS2 Fan:N
Chassis-Ser-EEPROM:.. Fan:..
Clock(A/B):A Clock A:.. Clock B:..
VTT1:.. VTT2:.. VTT3:..
Console>

```

This example shows how to display temperature information:

```

Console> (enable) show environment temperature

```

Slot	Intake Temperature	Exhaust Temperature	Device 1 Temperature	Device 2 Temperature
1	25C (50C, 65C)	34C (60C, 75C)	27C	32C
3	N/A	N/A	N/A	N/A
5	24C (50C, 65C)	27C (60C, 75C)	28C	29C
1 (Switch-Eng)	22C (50C, 65C)	22C (60C, 75C)	N/A	N/A
1 (MSFC)	28C (50C, 65C)	32C (60C, 75C)	N/A	N/A

```
Chassis Modules
-----
VTT1: 25C(85C,100C)
VTT2: 25C(85C,100C)
VTT3: 25C(85C,100C)
Console> (enable)
```

This example shows how to display environmental status information and details about the power available to the system:

```
Console> show environment all
Environmental Status (. = Pass, F = Fail, U = Unknown, N = Not Present)
  PS1: .      PS2: N      PS1 Fan: .      PS2 Fan: N
  Chassis-Ser-EEPROM: .      Fan: .
  Clock(A/B): A      Clock A: .      Clock B: .
  VTT1: .      VTT2: .      VTT3: .
```

Slot	Intake Temperature	Exhaust Temperature	Device 1 Temperature	Device 2 Temperature
1	24C(50C,65C)	32C(60C,75C)	27C	32C
3	N/A	N/A	N/A	N/A
5	22C(50C,65C)	27C(60C,75C)	28C	28C
1 (Switch-Eng)	22C(50C,65C)	22C(60C,75C)	N/A	N/A
1 (MSFC)	26C(50C,65C)	30C(60C,75C)	N/A	N/A

```
Chassis Modules
-----
VTT1: 25C(85C,100C)
VTT2: 24C(85C,100C)
VTT3: 25C(85C,100C)
```

```
PS1 Capacity: 1153.32 Watts (27.46 Amps @42V)
PS2 Capacity: none
PS Configuration : PS1 and PS2 in Redundant Configuration.
Total Power Available: 1153.32 Watts (27.46 Amps @42V)
Total Power Available for Line Card Usage: 1153.32 Watts (27.46 Amps @42V)
Total Power Drawn From the System: 453.18 Watts (10.79 Amps @42V)
Remaining Power in the System: 700.14 Watts (16.67 Amps @42V)
Default Inline Power allocation per port: 2.00 Watts (0.04 Amps @42V)
```

Slot power Requirement/Usage :

Slot	Card Type	PowerRequested Watts	PowerAllocated A @42V	CardStatus
1	WS-X6K-SUP1A-2GE	138.60	3.30	ok
2		0.00	0.00	none
3	WS-X6380-NAM	63.00	1.50	ok
5	WS-X6248-RJ-45	112.98	2.69	ok

```
Console>
```

Related Commands **show environment power**

show environment power

Use the **show environment power** command to show the inline power status.

show environment power [*mod*]

Syntax Description	<i>mod</i> (Optional) Number of the module.
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Defaults	This command has no default setting.
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Command Types	Switch command.
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Command Modes	Normal.
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If you see a partial-deny card status, this is an indication that some module ports are inline powered but not all the ports on the module.

Examples	This example shows how to display the environment power for all modules:
----------	--------------------------------------------------------------------------

```
Console> show environment power
PS1 Capacity: 1153.32 Watts (27.46 Amps @ 42V)
PS2 Capacity: none
PS Configuration : PS1 and PS2 in Redundant Configuration.
Total Power Available: 1153.32 Watts (27.46 Amps @ 42V)
Total Power Available for Line Card Usage: 1153.32 Watts (27.46 Amps @ 42V)
Total Power Drawn From the System: 289.80 Watts (6.90 Amps @ 42V)
Remaining Power in the System: 863.52 Watts (20.56 Amps @42V)
Default inline power allocation: 10.5 Watts/port (0.25 Amps @ 42V)
```

Slot power Requirement/Usage :

Slot	Card-Type	Power-Requested		Power-Allocated		Card-Status
		Watts	A @ 42V	Watts	A @ 42V	
1		0.00	0.00	126.42	3.01	none
2	WS-X6K-SUP1-2GE	138.60	3.30	138.60	3.30	ok
3	WS-X6348-RJ-45	114.24	2.72	151.20	3.60	ok
5	WS-X6348-RJ-45	109.20	2.60	100.88	2.40	partial-deny
6	Unknown	112.98	2.69	0	0	unknown
7	WS-X6248-RJ-45	84.84	2.02	0	0	power-bad
9	WS-X6416-GE-MT	105.00	2.50	0	0	power-deny

Console>

This example shows how to display the environment power for a specific module:

```

Console> show environment power 9
Module 9:
Default Inline Power allocation per port: 9.500 Watts (0.22 Amps @42V)
Total inline power drawn by module 9: 0 Watt

Slot power Requirement/Usage :

Slot Card Type                PowerRequested PowerAllocated CardStatus
Watts   A @42V Watts   A @42V
-----
9   WS-X6348                123.06   2.93  123.06   2.93  ok

Default Inline Power allocation per port: 9.500 Watts (0.22 Amps @42V)
Port      InlinePowered      PowerAllocated
      Admin Oper   Detected mWatt mA @42V
-----
9/1 auto  off   no      0    0
9/2 auto  off   no      0    0
9/3 auto  off   no      0    0
9/4 auto  off   no      0    0
9/5 auto  off   no      0    0
9/6 auto  off   no      0    0
9/7 auto  off   no      0    0
9/8 auto  off   no      0    0
9/9 auto  off   no      0    0
9/10 auto off   no      0    0
9/11 auto off   no      0    0
9/12 auto off   no      0    0
<<<< output truncated >>>>
9/35 auto off   no      0    0
9/36 auto off   no      0    0
9/37 auto off   no      0    0
9/38 auto off   no      0    0
9/39 auto off   no      0    0
9/40 auto off   no      0    0
9/41 auto off   no      0    0
9/42 auto off   no      0    0
9/43 auto off   no      0    0
9/44 auto off   no      0    0
9/45 auto off   no      0    0
9/46 auto off   no      0    0
9/47 auto off   no      0    0
9/48 auto off   no      0    0
Console>

```

Related Commands

- set inlinepower defaultallocation
- show environment

show errdisable-timeout

Use the **show errdisable-timeout** command to display the errdisable timeout configuration and status.

show errdisable-timeout

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to display the errdisable timeout configuration and status:

```

Console> (enable) show errdisable-timeout
ErrDisable Reason   Timeout Status
-----
bpdu-guard          Enable
channel-misconfig   Disable
duplex-mismatch     Enable
udld                 Enable
other                Disable

Interval: 300 seconds

Ports that will be enabled at the next timeout:
Port  ErrDisable Reason
-----
3/1   udld
3/8   bpdu-guard
6/5   udld
7/24 duplex-mismatch
Console> (enable)

```

Related Commands **set errdisable-timeout**

show errordetection

Use the **show errordetection** command to display error detection settings.

show errordetection

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to display the error detection settings:

```
Console> (enable) show errordetection
Inband error detection:      disabled
Memory error detection:     enabled
Port counter error detection: enabled
Console> (enable)
```

Related Commands **set errordetection**

show file

Use the **show file** command to display the contents of a file that have been saved to Flash memory.

show file [*device:*]*filename* [**dump**]

Syntax Description	<i>device:</i> (Optional) Device where the Flash memory resides.
	<i>filename</i> Name of the configuration file.
	dump (Optional) Keyword to show the hexadecimal dump of the file.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines A colon (:) is required after the specified device.

Examples This example shows how to display the contents of the configuration file saved to Flash memory:

```
Console> (enable) show file slot0:cfgfile
begin
!
#version 5.4
!
set password $1$FMFQ$HfZR5DUszVHIRhrz4h6V70
set enablepass $1$FMFQ$HfZR5DUszVHIRhrz4h6V70
set prompt Console>
set length 24 default
!
#system
set system baud 9600
set system modem disable
...
Console> (enable)
```

This example shows how to display the hexadecimal dump from a file:

```
Console> (enable) show file slot:cfgfile dump
8099d140 0A626567 696E0A21 0A237665 7273696F .begin!.#versio
8099d150 6E20352E 3328302E 31312942 4F552D45 n 5.3(0.11)BOU-E
8099d160 6E670A21 0A736574 20706173 73776F72 ng.!.set passwor
8099d170 64202431 24464D46 51244866 5A523544 n $1$FMFQ$HfZR5D
8099d180 55737A56 48495268 727A3468 36563730 UszVHIRhrz4h6V70
8099d190 0A736574 20656E61 626C6570 61737320 .set enablepass
8099d1a0 24312446 4D465124 48665A52 35445573 $1$FMFQ$HfZR5DU
8099d1b0 7A564849 5268727A 34683656 37300A73 zVHIRhrz4h6V70.s
...
```

show flash

Use the **show flash** command to list bootflash or Flash PC card information, including file code names, version numbers, volume ID, and sizes.

show flash *[[m/]device:]* [**all** | **chips** | **filesystems**]

Syntax Description	
<i>m/</i>	(Optional) Module number of the supervisor engine containing the Flash device.
<i>device:</i>	(Optional) Valid devices are bootflash and slot0 .
all	(Optional) Keyword to list deleted files, undeleted files, and files with errors on a Flash memory device.
chips	(Optional) Keyword to show information about the Flash chip.
filesystems	(Optional) Keyword to show the Device Info Block, the Status Info, the Usage Info, and the volume ID.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Usage Guidelines A colon (:) is required after the specified device.

Examples These following examples show how to list supervisor engine Flash information:

```
Console> show flash
-#- ED --type-- --crc--- -seek-- nlen -length- -----date/time----- name
1  .D 2          2D6B310A 100fc0 15  1052123 Dec 30 1999 15:43:50 cat6k_r47_1.cbi
2  .. 2          43B312DF 201ed8 15  1052608 Dec 30 1999 10:23:30 cat6k_r47_1.cbi
```

```
6283877 bytes available (2104731 bytes used)
Console>
```

```
Console> show flash chips
***** Intel Series 2+ Status/Register Dump *****
```

```
ATTRIBUTE MEMORY REGISTERS:
  Config Option Reg (4000): 2
  Config Status Reg (4002): 0
  Card Status Reg (4100): 1
  Write Protect Reg (4104): 4
  Voltage Cntrl Reg (410C): 0
  Rdy/Busy Mode Reg (4140): 2
```

```
COMMON MEMORY REGISTERS: Bank 0
```

```

Intelligent ID Code : 8989A0A0
Compatible Status Reg: 8080
Global      Status Reg: B0B0
Block Status Regs:
  0 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
  8 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
 16 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
 24 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0

COMMON MEMORY REGISTERS: Bank 1
Intelligent ID Code : 8989A0A0
Compatible Status Reg: 8080
Global      Status Reg: B0B0
Block Status Regs:
  0 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
  8 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
 16 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
 24 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0

COMMON MEMORY REGISTERS: Bank 2
Intelligent ID Code : FF00FF
  IID Not Intel -- assuming bank not populated

COMMON MEMORY REGISTERS: Bank 3
Console>

Console> show flash all
-#- ED --type-- --crc--- -seek-- nlen -length- ----date/time----- name
1  .D 2          2D6B310A 100fc0 15  1052123 Dec 30 1999 15:43:50 cat6k_r47_1.cbi
2  .. 2          43B312DF 201ed8 15  1052608 Dec 30 1999 10:23:30 cat6k_r47_1.cbi

6283877 bytes available (2104731 bytes used)

----- F I L E   S Y S T E M   S T A T U S -----
Device Number = 0
DEVICE INFO BLOCK:
  Magic Number           = 6887635   File System Vers = 10000   (1.0)
  Length                 = 800000    Sector Size      = 20000
  Programming Algorithm = 4          Erased State     = FFFFFFFF
  File System Offset     = 20000    Length = 7A0000
  MONLIB Offset         = 100        Length = C730
  Bad Sector Map Offset = 1FFF8    Length = 8
  Squeeze Log Offset    = 7C0000    Length = 20000
  Squeeze Buffer Offset = 7E0000    Length = 20000
  Num Spare Sectors     = 0
  Spares:
STATUS INFO:
  Writable
  NO File Open for Write
  Complete Stats
  No Unrecovered Errors
USAGE INFO:
  Bytes Used           = 201D9B   Bytes Available = 5FE265
  Bad Sectors          = 0         Spared Sectors  = 0
  OK Files             = 1         Bytes = 100FC0
  Deleted Files        = 1         Bytes = 100DDB
  Files w/Errors       = 0         Bytes = 0

***** Intel Series 2+ Status/Register Dump *****

ATTRIBUTE MEMORY REGISTERS:
  Config Option Reg (4000): 2
  Config Status Reg (4002): 0
  Card Status Reg (4100): 1

```

```

Write Protect Reg (4104): 4
Voltage Cntrl Reg (410C): 0
Rdy/Busy Mode Reg (4140): 2

COMMON MEMORY REGISTERS: Bank 0
Intelligent ID Code : 8989A0A0
Compatible Status Reg: 8080
Global      Status Reg: B0B0
Block Status Regs:
  0 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
  8 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
 16 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
 24 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0

COMMON MEMORY REGISTERS: Bank 1
Intelligent ID Code : 8989A0A0
Compatible Status Reg: 8080
Global      Status Reg: B0B0
Block Status Regs:
  0 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
  8 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
 16 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0
 24 : B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0 B0B0

COMMON MEMORY REGISTERS: Bank 2
Intelligent ID Code : FF00FF
IID Not Intel -- assuming bank not populated

COMMON MEMORY REGISTERS: Bank 3
Intelligent ID Code : FF00FF
IID Not Intel -- assuming bank not populated

COMMON MEMORY REGISTERS: Bank 4
Intelligent ID Code : FF00FF
IID Not Intel -- assuming bank not populated
Console>

```

Related Commands

download
reset—switch
upload

If the port list exceeds the available line spaces, the list wraps to the next line.

show gvrp configuration

Use the **show gvrp configuration** command to display GVRP configuration information, including timer values, whether GVRP and dynamic VLAN creation is enabled, and which ports are running GVRP.

show gvrp configuration

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

If the port list exceeds the available line spaces, the list wraps to the next line.

If no ports are GVRP participants, the message output changes from:

```
GVRP Participants running on port_list
```

to:

```
GVRP Participants running on no ports.
```

Examples This example shows how to display GVRP configuration information:

```
Console> show gvrp configuration
```

```
Global GVRP Configuration:
GVRP Feature is currently enabled on the switch.
GVRP dynamic VLAN creation is enabled.
GVRP Timers(milliseconds)
Join = 200
Leave = 600
LeaveAll = 10000
```

```
Port based GVRP Configuration:
GVRP-Status Registration Applicant Port(s)
```

```
-----
Enabled.   Normal      Normal    2/1
Enabled.   Normal      Active    4/4
Enabled.   Fixed       Normal    4/9
Enabled.   Fixed       Active    4/11
Enabled.   Forbidden   Normal    4/10
Enabled.   Forbidden   Active    4/5
Disabled  Normal      Normal    2/2
                                     4/12-24
                                     5/1-8
Disabled  Normal      Active    4/1,4/8
Disabled  Fixed       Normal    4/2
Disabled  Fixed       Active    4/7
```

```
Disbled   Forbidden   Normal   4/3
Disbled   Forbidden   Active   4/6
```

```
GVRP Participants running on no ports.
Console>
```

Related Commands

```
set gvrp
set gvrp dynamic-vlan-creation
set gvrp registration
set gvrp timer
clear gvrp statistics
show gvrp statistics
```

show gvrp statistics

Use the **show gvrp statistics** command to view GVRP statistics for a port.

show gvrp statistics [*mod/port*]

Syntax Description	<i>mod/port</i> (Optional) Number of the module and port on the module.
---------------------------	-------------------------------------------------------------------------

Defaults	The default is, that if you do not specify a VLAN, statistics for VLAN 1 are shown.
-----------------	-------------------------------------------------------------------------------------

Command Types	Switch command.
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Command Modes	Normal.
----------------------	---------

Examples	This example shows how to display GVRP statistics for module 2, port 1:
-----------------	-------------------------------------------------------------------------

```

Console> show gvrp statistics 2/1
GVRP enabled

GVRP statistics for port 2/1:
Total valid pkts rcvd:          18951
Total invalid pkts rcvd         0
General Queries rcvd           377
Group Specific Queries rcvd     0
MAC-Based General Queries rcvd 0
Leaves rcvd                     14
Reports rcvd                    16741
Queries Xmitted                 0
GS Queries Xmitted              16
Reports Xmitted                 0
Leaves Xmitted                  0
Failures to add GDA to EARL     0
Topology Notifications rcvd     10
GVRP packets dropped            0
Console>

```

Table 2-15 describes the fields in the **show gvrp statistics** output.

Table 2-15 show gvrp statistics Command Output Fields

Field	Description
GVRP Enabled	Status of whether GVRP is enabled or disabled.
Total valid pkts rcvd	Total number of valid GVRP packets received.
Total invalid pkts rcvd	Total number of invalid GVRP packets received.
General Queries rcvd	Total number of GVRP general queries received.
Group Specific Queries rcvd	Total number of GVRP group-specific queries received.

Table 2-15 show gvrp statistics Command Output Fields (continued)

Field	Description
MAC-Based General Queries recvd	Total number of MAC-based general queries received.
Leaves recvd	Total number of GVRP leaves received.
Reports recvd	Total number of GVRP reports received.
Queries Xmitted	Total number of GVRP general queries transmitted by the switch.
GS Queries Xmitted	Total number of GVRP group specific-equivalent queries transmitted by the switch.
Reports Xmitted	Total number of GVRP reports transmitted by the switch.
Leaves Xmitted	Total number of GVRP leaves transmitted by the switch.
Failures to add GDA to EARL	Total number of times the switch failed to add a multicast entry (GDA) to the EARL table.
Topology Notifications recvd	Total number of topology change notifications received by the switch.
GVRP packets dropped	Total number of GVRP packets dropped by the switch.

Related Commands

set gvrp
set gvrp dynamic-vlan-creation
set gvrp registration
set gvrp timer
clear gvrp statistics
show gvrp configuration

show ifindex

Use the **show ifindex** command to display the information of the specific ifIndex.

show ifindex *number*

Syntax Description	<i>number</i> Number of the ifIndex.
---------------------------	--------------------------------------

Defaults	This command has no default setting.
-----------------	--------------------------------------

Command Types	Switch command.
----------------------	-----------------

Command Modes	Normal.
----------------------	---------

Usage Guidelines	You can designate multiple ifIndex numbers by separating each number with a comma. To specify a range of numbers, use a dash (-) between the low and high numbers.
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Examples	This example shows how to display ifIndex information:
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```

Console> show ifindex 1,2,3,4-15,40-45
Ifindex 1 is mapped to interface sc0.
Ifindex 2 is mapped to interface s10.
Ifindex 3 is mapped to port 1/1.
Ifindex 4 is mapped to port 1/2.
Ifindex 5 is mapped to port 1/3.
Ifindex 6 is mapped to port 1/4.
Ifindex 7 is mapped to vlan 1.
Ifindex 8 is mapped to vlan 1002.
Ifindex 9 is mapped to vlan 1004.
Ifindex 10 is mapped to vlan 1005.
Ifindex 11 is mapped to vlan 1003.
Ifindex 12 is mapped to port 9/1.
Ifindex 13 is mapped to port 9/2.
Ifindex 14 is mapped to port 9/3.
Ifindex 15 is mapped to port 9/4.
Ifindex 40 is mapped to port 8/5.
Ifindex 41 is mapped to port 8/6.
Ifindex 42 is mapped to port 8/7.
Ifindex 43 is mapped to port 8/8.
Ifindex 44 is mapped to port 8/9.
Ifindex 45 is mapped to FEC-1/1-2.
Console>

```

show igmp mode

Use the **show igmp mode** command to display the igmp mode on the switch.

show igmp mode

Syntax Description This command has no keywords or arguments.

Defaults This command has no default settings.

Command Types Switch.

Command Modes Normal.

Usage Guidelines The switch dynamically chooses either IGMP-only or IGMP/CGMP mode, depending on the traffic present on the network. IGMP-only mode is used in networks with no CGMP devices. IGMP/CGMP mode is used in networks with both IGMP and CGMP devices.

The **show igmp mode** command output includes three fields:

- IGMP Mode—Possible values are auto, igmp-only, and igmp-cgmp.
- IGMP-Operational-Mode—Possible values are igmp-only and igmp-cgmp.
- IGMP Address Aliasing Mode—Possible values are normal and fallback.

Examples This example shows how to display the igmp mode:

```
Console> show igmp mode
IGMP Mode:                auto
IGMP Operational Mode:    igmp-only
IGMP Address Aliasing Mode: normal
Console>
```

Related Commands **set igmp mode**

show igmp statistics

Use the **show igmp statistics** command to view IGMP statistics for a particular VLAN.

show igmp statistics [*vlan_id*]

Syntax Description	<i>vlan_id</i> (Optional) VLAN for which to show IGMP statistics.
---------------------------	-------------------------------------------------------------------

Defaults	The default is that if you do not specify a VLAN, statistics for VLAN 1 are shown.
-----------------	------------------------------------------------------------------------------------

Command Types	Switch command.
----------------------	-----------------

Command Modes	Normal.
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Examples	This example shows how to view IGMP statistics for VLAN 1:
-----------------	------------------------------------------------------------

```

Console> show igmp statistics 1
IGMP enabled

IGMP statistics for vlan 1:
Total valid pkts rcvd:           18951
Total invalid pkts rcvd         0
General Queries rcvd            377
Group Specific Queries rcvd     0
MAC-Based General Queries rcvd  0
Leaves rcvd                     14
Reports rcvd                    16741
Queries Xmitted                 0
GS Queries Xmitted              16
Reports Xmitted                 0
Leaves Xmitted                  0
Failures to add GDA to EARL     0
Topology Notifications rcvd     10
IGMP packets dropped            0
Console>

```

Table 2-16 describes the fields in the **show igmp statistics** output.

Table 2-16 *show igmp statistics Command Output Fields*

Field	Description
IGMP enabled	Status of whether IGMP snooping is enabled or disabled.
Total valid pkts rcvd	Number of valid IGMP packets received.
Total invalid pkts rcvd	Number of invalid IGMP packets received.
General Queries rcvd	Number of IGMP general queries received.
Group Specific Queries rcvd	Number of IGMP group-specific queries received.

Table 2-16 show igmp statistics Command Output Fields (continued)

Field	Description
MAC-Based General Queries rcvd	Number of MAC-based general queries received.
Leaves rcvd	Number of IGMP leaves received.
Reports rcvd	Number of IGMP reports received.
Queries Xmitted	Number of IGMP general queries transmitted by the switch.
GS Queries Xmitted	Number of IGMP group-specific equivalent queries transmitted by the switch.
Reports Xmitted	Number of IGMP reports transmitted by the switch.
Leaves Xmitted	Number of IGMP leaves transmitted by the switch.
Failures to add GDA to EARL	Number of times the switch failed to add a multicast entry (GDA) to the EARL table.
Topology Notifications rcvd	Number of topology change notifications received by the switch.
IGMP packets dropped	Number of IGMP packets dropped by the switch.

Related Commands

clear igmp statistics
clear multicast router
set igmp
set multicast router
show multicast router
show multicast group count

show imagemib

Use the **show imagemib** command to display image information provided in the CISCO-IMAGE-MIB for a particular image.

show imagemib *filename*

Syntax Description	<i>filename</i> Name of the Flash device on the supervisor engine.
---------------------------	--------------------------------------------------------------------

Defaults	This command has no default setting.
-----------------	--------------------------------------

Command Types	Switch command.
----------------------	-----------------

Command Modes	Normal.
----------------------	---------

Examples	This example shows how to display CISCO-IMAGE-MIB information for the Flash image:
-----------------	------------------------------------------------------------------------------------

```

Console> (enable) show imagemib bootflash:cat6000-sup.5-5-1.bin
show mib info for file bootflash:cn50
CW_BEGIN$cat6000-WS-X6K-SUP1$
CW_IMAGE$bootflash:at6000-sup.5-5-1.bin$
CW_FAMILY$Catalyst 6000 Switch$
CW_MODULE$Catalyst Supervisor Module$
CW_VERSION$5.5.1$
CW_MIN_DRAM$ 32 MB$
CW_MIN_BOOTFLASH$ 8 MB$
CW_MIN_NVRAM$ 512 KB$
CW_BUILDTIME$ Mar 24 2000 00:32:33$
CW_SYSDSCR$Catalyst Operating System$
CW_END$cat6000-WS-X6K-SUP1$
Console>

```

show interface

Use the **show interface** command to display information on network interfaces.

show interface

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Examples This example shows how to display s10 and sc0:

```
Console> show interface
s10: flags=51<UP,POINTOPOINT,RUNNING>
      slip 0.0.0.0 dest 0.0.0.0
sc0: flags=63<UP,BROADCAST,RUNNING>
      vlan 1 inet 174.44.67.8 netmask 255.255.0.0 broadcast 172.20.255.255
      dhcp server: 174.44.67.201
Console>
```

Table 2-17 describes the fields in the **show interface** command output.

Table 2-17 show interface Command Output Fields

Field	Description
s10	Information on the SLIP interface.
flags	Flags indicating the interface state (decoded in the subsequent field).
<UP,POINTOPOINT, RUNNING>	Interface state (UP, DOWN, BROADCAST, LOOPBACK, POINTOPOINT, or RUNNING).
slip	IP address of the SLIP interface.

Table 2-17 show interface Command Output Fields (continued)

Field	Description
dest	IP address of the host to which the console port will be connected.
sc0	Information on the in-band interface.
vlan	Number of the VLAN to which the sc0 interface has been assigned (known as the management VLAN).
inet	IP address of the interface.
netmask	Network mask for the interface.
broadcast	Broadcast address for the interface.
dhcp server	IP address of the DHCP server.

Related Commands **set interface**

■ show interface

■ show interface