

show version

Use the **show version** command to display software, hardware, and web interface version information.

show version [*mod*]

Syntax Description *mod* (Optional) Number of the module.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Examples This example shows how to display the software and hardware versions:

```

Console> show version
WS-C6009 Software, Version NmpSW: 5.5(1)
Copyright (c) 1995-2000 by Cisco Systems
NMP S/W compiled on Feb 16 2000, 08:37:13

System Bootstrap Version: 5.2(1)

Hardware Version: 1.0 Model: WS-C6009 Serial #: SCA030900JA

Mod Port Model                Serial #    Versions
-----
1   2   WS-X6K-SUP1A-2GE            SAD03392376 Hw : 1.0
                                     Fw : 5.2(1)
                                     Fw1: 5.1(1)CSX
                                     Sw  : 5.5(1)
                                     Sw1: 5.5(1)
2   1   WS-X6380-NAM                JAB0343055Y Hw : 0.201
                                     Fw : 4.2(0.24)DAY68
                                     Sw  : 5.5(1)
5   48  WS-X6248-RJ-45             SAD03181291 Hw : 1.0
                                     Fw : 4.2(0.24)VAI78
                                     Sw  : 5.5(1)

      DRAM                FLASH                NVRAM
Module Total  Used   Free   Total  Used   Free   Total Used  Free
-----
1           65408K 37576K 27832K 16384K 12925K 3459K 512K 222K 290K

Uptime is 4 days, 7 hours, 15 minutes
Console> (enable)

```

■ show version

This example show how to display version information for a specific module:

```

Console> (enable) show version 2
Mod Port Model          Serial #    Versions
-----
9   48   WS-X6348          SAD03414268 Hw :0.201
                                   Fw :5.3(1)
                                   Sw :5.5(1)
                                   Hw :1.0
      WS-F6K-VPWR
Console> (enable)

```

Table 2-68 describes the fields in the **show version** command output.

Table 2-68 show version Command Output Fields

Field	Description
NmpSW	Version number of the NMP software.
NMP S/W compiled on	Date and time that the NMP software was compiled.
System Bootstrap Version	System bootstrap version number.
Web Interface Version	Web interface version number.
Hardware Version	Hardware version number.
Model	Switch model number.
Serial #	Switch serial number.
Module	Module number.
Port	Number of ports on the module.
Model	Model number of the module.
Serial #	Serial number of the module.
Versions	Hardware, software, and firmware versions of the module.
Hw	Hardware version of the module.
Fw	Version of the boot code (for switching modules) or bootstrap (for the supervisor engine).
Fw1	Version of the firmware boot code (on the supervisor engine).
Sw	Version of the firmware runtime installed (on the switching module) or the software version (on the supervisor engine).
Sw1	Version of the firmware runtime (on the supervisor engine).
DRAM Total	Total dynamic RAM installed on the module.
Used	Amount of DRAM in use.
Free	Amount of available DRAM.
FLASH Total	Total Flash memory installed on the module.
Used	Amount of Flash memory in use.
Free	Amount of available Flash memory.
NVRAM Total	Total NVRAM installed on the module.
Used	Amount of NVRAM in use.

Table 2-68 show version Command Output Fields (continued)

Field	Description
Free	Amount of available NVRAM.
Uptime is	Number of uninterrupted days, hours, minutes, and seconds the system has been up and running.

show vlan

Use the **show vlan** command set to display VLAN information.

show vlan [trunk]

show vlan vlan [notrunk]

show vlan mapping

show vlan type

Syntax	Description
trunk	(Optional) Keyword to force the display to show information only on trunk ports.
<i>vlan</i>	Number of the VLAN.
notrunk	(Optional) Keyword to force the display to show information only on nontrunk ports.
mapping	Keyword to display VLAN mapping table information.
<i>type</i>	Type of the VLAN; valid values are ethernet , fddi , fddinet , trbrf , or trcrf .

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Usage Guidelines Each Ethernet switch port and Ethernet repeater group belong to only one VLAN. Trunk ports can be on multiple VLANs.

If you do not specify the VLAN number, all VLANs are displayed.

Examples This example shows how to display information for all VLAN trunks:

```

Console> show vlan trunk
VLAN Name                Status    IfIndex Mod/Ports, Vlans
-----
1    default                active    5      2/1-2
                                     6/4-8
10   VLAN0010                active    18     6/1,6/3
11   VLAN0011                active    19     6/2
20   VLAN0020                active    20
21   VLAN0021                active    21
30   VLAN0030                active    22
31   VLAN0031                active    23
1002 fddi-default          active    6

```

```

1003 token-ring-default          active  9
1004 fddinet-default            active  7
1005 trnet-default              active  8      8

```

VLAN	Type	SAID	MTU	Parent	RingNo	BrdgNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
10	enet	100010	1500	-	-	-	-	-	0	0
11	enet	100011	1500	-	-	-	-	-	0	0
20	enet	100020	1500	-	-	-	-	-	0	0
21	enet	100021	1500	-	-	-	-	-	0	0
30	enet	100030	1500	-	-	-	-	-	0	0
31	enet	100031	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	0	0
1003	trcrf	101003	1500	0	0x0	-	-	-	0	0
1004	fdnet	101004	1500	-	-	0x0	ieee	-	0	0
1005	trbrf	101005	1500	-	-	0x0	ibm	-	0	0

VLAN	DynCreated	RSPAN
1	static	disabled
10	static	disabled
11	static	disabled
20	static	disabled
21	static	disabled
30	static	disabled
31	static	disabled
1002	static	disabled
1003	static	disabled
1004	static	disabled
1005	static	disabled

VLAN	AREHops	STEHops	Backup	CRF	lq	VLAN
1003	7	7	off			

Primary	Secondary	Secondary-Type	Ports
10	20	isolated	6/1,6/3
11	21	isolated	6/2
30	-	-	
-	31	isolated	

This example shows how to display the VLAN mapping table information:

```

Console> show vlan mapping
802.lq vlan      ISL vlan      Effective
-----
3000             300           true
Console>

```

■ show vlan

This example shows how to display information for a specific VLAN and type:

```

Console> show vlan 2 fddi
VLAN Name                               Status    IfIndex Mod/Ports, Vlans
-----
1002 fddi-default                       active    6

VLAN Type  SAID      MTU   Parent RingNo BrdgNo Stp  BrdgMode Trans1 Trans2
-----
1002 fddi  101002   1500  -      -      -   -      -      0      0

VLAN DynCreated  RSPAN
-----
2    static      disabled
Console>

```

This example shows how to display information for nontrunk ports only on a specific VLAN:

```

Console> (enable) show vlan 2 notrunk
VLAN Name                               Status    IfIndex Mod/Ports, Vlans
-----
2    VLAN0002                       active    60

VLAN Type  SAID      MTU   Parent RingNo BrdgNo Stp  BrdgMode Trans1 Trans2
-----
2    enet  100002   1500  -      -      -   -      -      0      0

VLAN DynCreated  RSPAN
-----
2    static      disabled

VLAN AREHops STEHops Backup CRF lq VLAN
-----

Console>

```

Table 2-69 describes the fields in the **show vlan** command output.

Table 2-69 show vlan Command Output Fields

Field	Description
VLAN	VLAN number.
Name	Name, if configured, of the VLAN.
Status	Status of the VLAN (active or suspend).
IfIndex	Number of the ifIndex.
Mod/Ports, VLANs	Ports that belong to the VLAN.
Type	Media type of the VLAN.
SAID	Security association ID value for the VLAN.
MTU	Maximum transmission unit size for the VLAN.
Parent	Parent VLAN, if one exists.
RingNo	Ring number for the VLAN, if applicable.

Table 2-69 *show vlan Command Output Fields (continued)*

Field	Description
BrdgNo	Bridge number for the VLAN, if applicable.
Stp	Spanning Tree Protocol type used on the VLAN.
BrdgMode	Bridging mode for this VLAN. Possible values are SRB and SRT; the default is SRB.
DynCreated	Status of whether the VLAN is created statically or dynamically.
RSPAN	Status of whether RSPAN is enabled or disabled.
AREHops	Maximum number of hops for All-Routes Explorer frames. Possible values are 1 through 13; the default is 7.
STEHops	Maximum number of hops for Spanning Tree Explorer frames. Possible values are 1 through 13; the default is 7.
Backup CRF	Status of whether the TrCRF is a backup path for traffic.
802.1Q Vlan	Number of the 802.1Q VLAN.
ISL Vlan	Number of the ISL VLAN.
Effective	Status of the VLAN. If the VLAN is active and its type is Ethernet, true is displayed; if not, false is displayed.
Primary	Number of the primary VLAN in a private VLAN.
Secondary	Number of the secondary VLAN in a private VLAN.
Secondary-Type	Type of secondary VLAN port. Possible values are isolated, community, or -.
Ports	Number of the module and ports associated to a specific private VLAN pair.

Related Commands

set trunk
set vlan
show trunk

show voicevlan

Use the **show voicevlan** command to show the voice information for a specific VLAN.

show voicevlan {*mod/port* | *vlan*}

show voicevlan *vlan*

Syntax Description	<i>mod/port</i>	Number of the module and port on the module.
	<i>vlan</i>	Number of the voice VLAN; valid values are from 1 to 4094.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Usage Guidelines The following information is displayed for the ports specified:

- Voice VLAN mode (on or off)
- Voice VLAN type (untagged or dot1p)
- Voice value and type

Examples This example shows how to display the ports associated with a specific voice VLAN:

```
Console> show voicevlan 2993
V-VLAN Mod/Ports
-----
2993   2/1-6,3/4-8,5-2-25
Console>
```

This example shows how to display voice VLAN information for a specific module and range of ports:

```
Console> show voicevlan 3/4-6
Port  V-VLAN      Mode
-----
 3/4  untagged    off
 3/5  2993        on
 3/6  802.1p      on
Console>
```

Related Commands **clear voicevlan**

show vtp domain

Use the **show vtp domain** command to display VTP domain information.

show vtp domain

Syntax Description This command has no keywords or arguments.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Examples This example shows how to display VTP domain information:

```

Console> show vtp domain
Domain Name                               Domain Index VTP Version Local Mode Password
-----
                                           1             2             server      -

Vlan-count Max-vlan-storage Config Revision Notifications
-----
15          1023             5             disabled

Last Updater V2 Mode Pruning PruneEligible on Vlans
-----
172.20.44.30 enabled disabled 2-1000
Console>

```

Table 2-70 describes the fields in the **show vtp domain** command output.

Table 2-70 show vtp domain Command Output Fields

Field	Description
Domain Name	Name of the VTP domain.
Domain Index	Domain index number of the domain.
VTP Version	VTP version number.
Local Mode	VTP mode (server, client, or transparent).
Password	Password required or not.
Vlan-count	Total number of VLANs in the domain.
Max-vlan-storage	Maximum number of VLANs allowed on the device.
Config Revision	VTP revision number used to exchange VLAN information.
Notifications	Notifications to SNMP (enabled or disabled).

show vtp domain**Table 2-70 show vtp domain Command Output Fields (continued)**

Field	Description
Last Updater	IP address through which VTP was last updated.
V2 Mode	Status on whether VTP V2 mode is enabled or disabled.
Pruning	Status on whether VTP pruning is enabled or disabled.
PruneEligible on Vlans	VLANs on which pruning is allowed.

Related Commands**set vtp**
show vtp statistics

show vtp statistics

Use the **show vtp statistics** command to display VTP statistics.

show vtp statistics

Syntax Description This command has no keywords or arguments.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Examples This example shows how to display VTP statistics:

```

Console> show vtp statistics
Console> (enable) show vtp statistics
VTP statistics:
summary advts received          0
subset advts received           0
request advts received          0
summary advts transmitted       72
subset advts transmitted        7
request advts transmitted       0
No of config revision errors    0
No of config digest errors      0

VTP pruning statistics:

Trunk  Join Transmitted  Join Received  Summary advts received  GVRP PDU Received
      from non-pruning-capable
      device
-----
4/2   0                0              0                    0

```

Table 2-71 describes the fields in the **show vtp statistics** command output.

Table 2-71 show vtp statistics Command Output Fields

Field	Description
summary advts received	Total number of summary advts received.
subset advts received	Total number of subset advts received.
request advts received	Total number of request advts received.
summary advts transmitted	Total number of summary advts transmitted.
subset advts transmitted	Total number of subset advts transmitted.

Table 2-71 show vtp statistics Command Output Fields (continued)

Field	Description
request advts transmitted	Total number of request advts transmitted.
No of config revision errors	Number of config revision errors.
No of config digest errors	Number of config revision digest errors.
Trunk	Trunk port participating in VTP pruning.
Join Transmitted	Number of VTP-Pruning Joins transmitted.
Join Received	Number of VTP-Pruning Joins received.
Summary advts received from nonpruning-capable device	Number of Summary advts received from nonpruning-capable devices.
GVRP PDU Received	Number of GVRP messages received on VTP trunks.

Related Commands

set vtp
clear vtp statistics

slip

Use the **slip** command to attach or detach SLIP for the console port.

slip {attach | detach}

Syntax Description	attach	Keyword to activate SLIP for the console port.
	detach	Keyword to deactivate SLIP for the console port.

Defaults The default is SLIP is not active (detached).

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines You can use the **slip** command from a console port session or a Telnet session.

Examples This example shows how to enable SLIP for a console port during a console port session:

```
Console> (enable) slip attach  
Console port now running SLIP.  
<console port running SLIP>
```

This example shows how to disable SLIP for a console port during a Telnet session:

```
Console> (enable) slip detach  
SLIP detached on Console port.  
<console port back to RS-232 Console>  
Console> (enable)
```

Related Commands **set interface**

squeeze

Use the **squeeze** command to delete Flash files permanently.

squeeze [*m/*]*device*:

Syntax Description	<i>m/</i>	(Optional) Module number of the supervisor engine containing the Flash device.
	<i>device</i> :	Device where the Flash resides.

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 These examples show how to use the **squeeze** command to delete the slot0 Flash files and then use the **show flash** command to confirm the deletion:

```

Console> squeeze slot0:
All deleted files will be removed, proceed (y/n) [n]?y
Squeeze operation may take a while, proceed (y/n) [n]?y
.....
Console> show flash
-#- ED --type-- --crc--- -seek-- nlen -length- -----date/time----- name
  1 .. 2      f3a3e7c1 607f80  24  6061822 Mar 31 2000 15:42:49 cat6000-sup.
5-5-1.bin
7336000 bytes available (1052608 bytes used)
Console>

```

Related Commands

- dir—switch**
- undelete**
- show flash**