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# How to Determine the Serial Number of Catalyst Switch Components

## Document ID: 41361

# Introduction

This document shows how to determine the serial numbers of various replaceable components on various Cisco Catalyst switches. The serial numbers are necessary to create a database of the parts in the network. When you create a service request with Cisco Technical Support, you must have the serial number of the affected devices at hand. This requirement is especially the case when you need a replacement part, or return materials authorization (RMA).

# Prerequisites

## Requirements

There are no specific requirements for this document.

## Components Used

The information in this document is based on these software and hardware versions:

- Various Catalyst switches
- Various software versions

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The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

## Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

# Difference Between CatOS and Cisco IOS System Software

**Catalyst OS (CatOS) on the Supervisor Engine and Cisco IOS® Software on the MSFC** (Hybrid): You can use a CatOS image as the system software to run the Supervisor Engine on Catalyst 6500/6000 switches. If you have installed the optional Multilayer Switch Feature Card (MSFC), use a separate Cisco IOS Software image to run the MSFC.

**Cisco IOS Software on both the Supervisor Engine and MSFC** (Native): You can use a single Cisco IOS Software image as the system software to run both the Supervisor Engine and MSFC on Catalyst 6500/6000 switches.

**Note:** For more information, refer to the document Comparison of the Cisco Catalyst and Cisco IOS Operating Systems for the Cisco Catalyst 6500 Series Switch.

# Catalyst 6500/6000

Catalyst 6500/6000 switches can run CatOS system software on the Supervisor Engine and Cisco IOS Software on the MSFC. Or, the switches can run Cisco IOS System Software, with a software bundle for both the Supervisor Engine and MSFC.

## CatOS

Use the **show version** command to determine the serial number of various hardware components, as this example shows:

```
cat6500> (enable) sh version
WS-C6509 Software, Version NmpSW: 6.3(7)
Copyright (c) 1995-2002 by Cisco Systems
NMP S/W compiled on May 16 2002, 17:16:36
```
**Chassis Type**
```
System Bootstrap Version: 6.1(4)

Hardware Version: 1.0  Model: WS-C6509  Serial #: SCA032500KM
```
**Chassis S.N.**
```
PS1  Module: WS-CAC-1300W     Serial #: ACP03230203
```
**Power-Supply S.N.**
```
Mod Port Model                 Serial #     Versions
--- ---- ------------------    ----------   -----------------------------------
1    2   WS-X6K-S2U-MSFC2       SAD0549078U  Hw : 3.2
```
**Supervisor Type**
```
                                            Fw : 6.1(4)
                                            Fw1: 6.1(3)
                                            Sw : 6.3(7)
                                            Sw1: 6.3(7)
```
**Supervisor S.N.**
```
         WS-F6K-PFC2            SAD054907JS  Hw : 3.0
2    16  WS-X6416-GBIC          SAD0527010C  Hw : 1.2
                                            Fw : 5.4(2)
                                            Sw : 6.3(7)
```
**Module Type**
```
3    8   WS-X6408-GBIC          JAB04060408  Hw : 2.3
                                            Fw : 4.2(0.24)VAI78
```
**Module 2 S.N.**
```
                                            Sw : 6.3(7)
4    8   WS-X6408A-GBIC         SAD05040KMX  Hw : 1.4
                                            Fw : 5.4(2)
                                            Sw : 6.3(7)
6    48  WS-X6248-RJ-45         SAD03461848  Hw : 1.1
                                            Fw : 4.2(0.24)VAI78
                                            Sw : 6.3(7)
15   1   WS-F6K-MSFC2           SAD054906L4  Hw : 1.3
                                            Fw : 12.1(13)E3
                                            Sw : 12.1(13)E3

       DRAM                    FLASH                    NVRAM
Module Total   Used    Free    Total   Used    Free    Total Used Free
------ -------  ------- ------- ------- ------- ------- ----- ----- -----
1      262144K 68644K 193500K 32768K  7249K  25519K  512K  290K  222K

Uptime is 3 days, 7 hours, 11 minutes
```

**Note:** If the power supply serial number is not visible in the **show version** command output, issue the **show sprom powersupply {1 | 2}** command.

To find the serial number of port adapters that plug into the Flex WAN module, issue the **show diagbus** command from the MSFC command–line interface (CLI) as this example shows:

```
MSFC# show diagbus
Slot 4: Logical_index 8
        FlexWan controller
        Board is analyzed ipc ready
        HW rev 1.5, board revision A0
        Serial Number: SAD061903JE Part number: 73-3869-08

        Slot database information:
        Flags: 0x2004   Insertion time: 0x85E9C (6d08h ago)

        CWAN Controller Memory Size: Unknown

Slot 4: Logical_index 9
        FlexWan controller
        Board is analyzed ipc ready
        HW rev 1.5, board revision A0
        Serial Number: SAD061903JE Part number: 73-3869-08

        Slot database information:
        Flags: 0x2004   Insertion time: 0x85E9C (6d08h ago)

        Controller Memory Size:
                112 MBytes CPU Memory
                16 MBytes Packet Memory
                128 MBytes Total on Board SDRAM
```

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```
        IOS (tm) cwlc Software (cwpa-DW-M), Version 12.1(13)E4, EARLY DEPLOYMENT
        RELEASE SOFTWARE (fc1)

    PA Bay 1 Information:
        ENHANCED ATM OC3 SML PA, 1 ports
        EEPROM format version 1
        HW rev 2.00, Board revision A0
        Serial number: 27738110  Part number: 73-2428-04
```

# Cisco IOS System Software

To determine the serial number for the chassis and other components, issue the **show idprom** command, as this example shows:

```
6509# show idprom ?
  all           selects all FRU-types
  backplane     specify backplane
  clock         specify clock <number>
  earl          specify earl <slot>
  fan-tray      specify fan-tray <number>
  interface     interface name
  module        specify module <slot>
  power-supply  specify power-supply <number>
  rp            specify RP (MSFC) <slot>
  supervisor    specify supervisor <slot>
  vtt           specify VTT <number>
```

To obtain the chassis serial number, issue the **show idprom backplane** command, as this example shows:

```
6509# show idprom backplane
IDPROM for backplane #0
  (FRU is 'Catalyst 6500 6-slot backplane')
  OEM String = 'Cisco Systems'
  Product Number = 'WS-C6506'
  Serial Number = 'TBA03270652'
  Manufacturing Assembly Number = '73-3436-01'
  Manufacturing Assembly Revision = 'A0'
  Hardware Revision = 1.0
  Current supplied (+) or consumed (-) =  -A
```

To obtain the module serial number, issue the **show idprom module** *slot #* command. Alternatively, you can issue the **show module** command, as this example shows:

```
6509# show module
Mod Ports Card Type                             Model              Serial No.
--- ----- ------------------------------------- ------------------ -----------
  1     2 Catalyst 6000 supervisor 2 (Active)   WS-X6K-S2U-MSFC2   SAD055006NE
  3     0 2 port adapter FlexWAN                 WS-X6182-2PA       SAD04350EEU
  4    48 SFM-capable 48-port 10/100 Mbps RJ45   WS-X6548-RJ-45     SAD055108C2

Mod MAC addresses                      Hw     Fw           Sw           Status
--- --------------------------------- ------ ------------ ------------ -------
  1 0001.6415.a602 to 0001.6415.a603   3.2    6.1(3)       7.5(0.6)HUB6 Ok
  3 0001.6413.c86b to 0001.6413.c8aa   1.5    12.1(13)E1   12.1(13)E1   Ok
  4 0001.63d3.e77a to 0001.63d3.e7a9   4.0    6.3(1)       7.5(0.6)HUB6 Ok

Mod Sub-Module                  Model           Serial          Hw      Status
--- -------------------------- --------------- --------------- ------- -------
  1 Policy Feature Card 2       WS-F6K-PFC2     SAD055004VA      3.0     Ok
  1 Cat6k MSFC 2 daughterboard  WS-F6K-MSFC2    SAD055006VF      2.0     Ok
```

```
      Mod Online Diag Status
      --- -------------------
        1 Pass
        3 Not Supported
        4 Pass
```

**Note:** Use the **show diagbus** command to determine the serial number of port adapters on the Flex WAN module.

# Catalyst 5500/5000

Use the **show version** command to determine the serial number of various hardware components, as this example shows:

```
WS-C5500 Software, Version McpSW: 5.5(14) NmpSW: 5.5(14)
Copyright (c) 1995-2002 by Cisco Systems
NMP S/W compiled on Apr 11 2002, 15:44:41
MCP S/W compiled on Apr 11 2002, 15:39:53
                                                   Chassis S.N.
System Bootstrap Version: 5.1(2)

Hardware Version: 1.4  Model: WS-C5500  Serial #: 069074400

Mod Port Model        Serial #  Versions
--- ---- ----------   --------- ----------------------------------------
1    2   WS-X5530     013361228 Hw : 3.3
                                Fw : 5.1(2)
                                Fw1: 4.4(1)     Supervisor S.N.
                                Sw : 5.5(14)
         WS-F5531     013361971 Hw : 1.0
         WS-U5533     012799066 Hw : 1.0
4    48  WS-X5020     005219183 Hw : 2.0
                                Fw : 2.1(1)
                                Sw : 5.5(14)    Module 4 S.N.
5    48  WS-X5012     006507547 Hw : 2.0
                                Fw : 2.3(2)
                                Sw : 5.5(14)
10   1   WS-X5302     013169590 Hw : 7.5
                                Fw : 20.2
                                Fw1: 3.1(1)
                                Sw : 11.2(9)P
11   1   WS-X5155     002746124 Hw : 1.0
                                Fw : 1.2
                                Fw1: 1.320
                                Sw : 3.2(7)

        DRAM                    FLASH                   NVRAM
Module Total   Used    Free    Total   Used    Free    Total Used  Free
------ ------- ------- ------- ------- ------- ------- ----- ----- -----
1       32768K 19740K 13028K   8192K   5569K   2623K  512K  175K  337K

Uptime is 27 days, 7 hours, 14 minutes
```

**Note:** Use the **show diag** command on the Route Switch Module (RSM) with Versatile Interface Processor (VIP) (WS−X5304=) to find the serial number of port adapters.

# Catalyst 4500/4000

## Catalyst 4000 Supervisor Engine I, 4003/2948G/2980G

The Catalyst 4000 with Supervisor Engine I chassis serial number on the Catalyst 4003, 2948G, and 2980G is not readable through a CLI command. The serial number that appears in the **show version** command output in the example in this section is the serial number of the Supervisor Engine. The actual serial number appears on a sticker on the outside of the chassis. To locate the physical serial number labels on your device, refer to the Cisco Product Identification Tool ⬈ ( registered customers only) .

```
CAT4003(enable) show version
WS-C4003 Software, Version NmpSW: 7.1(1a)
Copyright (c) 1995-2002 by Cisco Systems, Inc.
NMP S/W compiled on Feb  8 2002, 17:17:54
GSP S/W compiled on Feb 08 2002, 17:30:19

System Bootstrap Version: 5.5(5)

Hardware Version: 2.2  Model: WS-C4003  Serial #: JAE053002JD

Mod Port Model                Serial #              Versions
--- ---- ------------------ -------------------- --------------------------------
1   0    WS-X4012             JAE053002JD          Hw : 2.2
                                                   Gsp: 7.1(1.0)
                                                   Nmp: 7.1(1a)
2   34   WS-X4232-GB-RJ      JAE053101RQ          Hw : 2.3

        DRAM                   FLASH                  NVRAM
Module Total   Used    Free    Total   Used    Free    Total Used  Free
------ ------- ------- ------- ------- ------- ------- ----- ----- -----
1       65536K  34119K  31417K  12288K   8832K   3456K  480K  263K  217K

Uptime is 20 days, 6 hours, 5 minutes
```

## Catalyst 4500/4000 with Supervisor Engine 2

On the Catalyst 4500/4000 Supervisor 2, the chassis serial number is available via CLI in versions 5.5(10), 6.3(2), and later versions. In earlier versions, the **show version** command shows the Supervisor Engine serial number in the place of the chassis serial number. To obtain the serial number of the chassis in these earlier versions, check the external sticker on the chassis. To locate the physical serial number labels on your device, refer to the Cisco Product Identification Tool ⬈ ( registered customers only) .

```
Cat4006> (enable) show version
WS-C4006 Software, Version NmpSW: 7.4(2)
Copyright (c) 1995-2002 by Cisco Systems, Inc.
NMP S/W compiled on Oct  8 2002, 18:12:59
GSP S/W compiled on Oct 08 2002, 15:54:51                    Chassis S.N.

System Bootstrap Version: 5.4(1)

Hardware Version: 1.5  Model: WS-C4006  Serial #: FOX052600QY

Mod Port Model                 Serial #                    Versions
--- ---- ------------------    --------------------------  ------------------------------
1   2    WS-X4013              JAB04130F32                 Hw : 1.5
                                                           Gsp: 7.4(2.0)
                                                           Nmp: 7.4(2)
2   48   WS-X4148-RJ45V        JAB05300E6W                 Hw : 1.6
3   48   WS-X4148-RJ45V        JAB053008JG                 Hw : 1.6   Supervisor S.N
4   48   WS-X4148-RJ45V        JAB05300EBG                 Hw : 1.6
5   48   WS-X4148-RJ45V        JAB053008PA                 Hw : 1.6   Mod 2  S.N.

        DRAM                        FLASH                       NVRAM
Module Total   Used    Free     Total   Used    Free     Total Used  Free
------ ------- ------- -------   ------- ------- -------   ----- ----- -----
1       65536K  39599K  25937K   16384K  5520K   10864K    480K  355K  125K

Uptime is 5 days, 7 hours, 4 minutes
```

# Catalyst 4500/4000 Supervisor Engine II+/III/IV

You can determine the serial number of the chassis and other components with use of the **show idprom** command, as this example shows:

```
Switch# show idprom ?
  all           show all non-interface IDPROMs
  chassis       show IDPROM for chassis
  fan-tray      show IDPROM for system fan tray
  interface     show contents of gbic connected to this interface
  module        show IDPROM for module
  power-supply  show IDPROM for power supply
  supervisor    show IDPROM for supervisor
```

You can obtain the chassis serial number with the **show idprom chassis** command, as this example shows:

```
Switch# show idprom chassis
Chassis Idprom :
 Common Block Signature = 0xABAB
 Common Block Version = 1
 Common Block Length = 144
 Common Block Checksum = 4081
 Idprom Size = 256
 Block Count = 2
 FRU Major Type = 0x4001
 FRU Minor Type = 37
 OEM String = Cisco Systems, Inc.
 Product Number = WS-C4506
 Serial Number = FOX0627A001
 Part Number = 73-8107-04
 Part Revision = 01
 Manufacturing Deviation String = 0
 Hardware Revision = 0.4
 Manufacturing Bits = 0x0000
 Engineering Bits = 0x0000
```

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```
  Snmp OID = 0.0.0.0.0.0.0.0
  Power Consumption = 0
  RMA Failure Code = 0 0 0 0
  Chassis Block Signature = 0x4001
  Chassis Block Version = 1
  Chassis Block Length = 22
  Chassis Block Checksum = 628
  Feature Bits = 0x0000000000000000
  MAC Base = 000a.4172.df40
  MAC Count = 64
```

You can obtain the power supply serial number with the **show idprom power−supply {1 | 2}** command, as this example shows:

```
Switch# show idprom power-supply 1
Power Supply 1 Idprom :
 Common Block Signature = 0xABAB
 Common Block Version = 1
 Common Block Length = 144
 Common Block Checksum = 5857
 Idprom Size = 256
 Block Count = 2
 FRU Major Type = 0x4501
 FRU Minor Type = 1
 OEM String = Cisco Systems, Inc.
 Product Number = PWR-C4K-1400AC
 Serial Number = ABC06260005
 Part Number = 34-1846-01
 Part Revision = 45
 Manufacturing Deviation String =
 Hardware Revision = 1.0
 Manufacturing Bits = 0x0000
 Engineering Bits = 0x0000
 Snmp OID = 22616.22616.22616.22616.22616.22616.22616.22616
 Power Consumption = 1400
 RMA Failure Code = 0 0 0 0
 Power Supply  Block Signature = 0x4501
 PowerSupply Block Version = 1
 PowerSupply Block Length = 20
 PowerSupply Block Checksum = 293
 Feature Bits = 0x0000000000000000
 Current @ 110V = 17
 Current @ 220V = 9
 StackMIB OID = 22616
```

You can obtain the module serial number with the **show idprom module** *slot #* command. Alternatively, you can issue the **show module** command, as this example shows:

```
Switch# show module

Mod  Ports Card Type                                 Model             Serial No.
----+-----+--------------------------------------+-----------------+-----------
 1     2 1000BaseX (GBIC) Supervisor(active)      WS-X4014          JAB054109H1
 3    48 10/100BaseTX (RJ45)                       WS-X4148          JAB025202M6
 4     6 1000BaseX (GBIC)                          WS-X4306          JAB023403BG

 M MAC addresses                      Hw  Fw          Sw               Status
--+--------------------------------+---+-----------+----------------+---------
 1 000a.4172.df40 to 000a.4172.df41 0.5 12.1(12r)EW  12.1(13)EW(0.34) Ok
 3 0050.730b.2340 to 0050.730b.236f 1.0                               Ok
 4 0010.7bfa.7ca4 to 0010.7bfa.7ca9 2.0                               Ok
```

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# Catalyst 3750

Use the **show version** command to determine the chassis serial number and switch model type, as the example here shows. You find all switch stack members, chassis, and serial number information in the output:

```
3750# show version
Cisco Internetwork Operating System Software
IOS (tm) C3750 Software (C3750-I5-M), Version 12.1(14)EA1, RELEASE SOFTWARE (fc1
)
Copyright (c) 1986-2003 by cisco Systems, Inc.
Compiled Tue 22-Jul-03 13:17 by antonino
Image text-base: 0x00003000, data-base: 0x008F0CF8

ROM: Bootstrap program is C3750 boot loader
BOOTLDR: C3750 Boot Loader (C3750-HBOOT-M) Version 12.1(11r)AX, RELEASE SOFTWARE
(fc1)

3750RJ uptime is 1 hour, 29 minutes
System returned to ROM by power-on
System image file is "flash:c3750-i5-mz.121.14-EA1/c3750-i5-mz.121.14-EA1.bin"

cisco WS-C3750-24TS (PowerPC405) processor (revision A0) with 120822K/10240K byt
es of memory.
Processor board ID CAT0726R0ZU
Last reset from power-on
Bridging software.
2 Virtual Ethernet/IEEE 802.3 interface(s)
48 FastEthernet/IEEE 802.3 interface(s)
16 Gigabit Ethernet/IEEE 802.3 interface(s)
The password-recovery mechanism is enabled.

512K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address : 00:0D:29:B4:18:00
Motherboard assembly number : 73-7055-06
Power supply part number : 341-0034-01
Motherboard serial number : CAT0726043V
Power supply serial number : PHI0708009K
Model revision number : A0
Motherboard revision number : A0
Model number : WS-C3750-24TS-E
System serial number : CAT0726R0ZU

Switch Ports Model SW Version SW Image
------ ----- ----- ---------- ----------
* 1 26 WS-C3750-24TS 12.1(14)EA1 C3750-I5-M
2 26 WS-C3750-24TS 12.1(14)EA1 C3750-I5-M
3 12 WS-C3750G-12S 12.1(14)EA1 C3750-I5-M

Switch 02
---------
Switch Uptime : 1 hour, 29 minutes
Base ethernet MAC Address : 00:0D:29:B4:3F:00
Motherboard assembly number : 73-7055-06
Power supply part number : 341-0034-01
Motherboard serial number : CAT07260438
Power supply serial number : PHI0708008X
Model revision number : A0
Motherboard revision number : A0
Model number : WS-C3750-24TS-E
System serial number : CAT0726R10A

Switch 03
---------
```

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```
Switch Uptime : 1 hour, 29 minutes
Base ethernet MAC Address : 00:0D:BD:6A:3E:00
Motherboard assembly number : 73-8307-06
Power supply part number : 341-0048-01
Motherboard serial number : CAT073205S2
Power supply serial number : DTH0731055Z
Model revision number : A0
Motherboard revision number : A0
Model number : WS-C3750G-12S-E
System serial number : CAT0732R0M4
Top assembly part number : 800-23419-01
Top assembly revision number : A0

Configuration register is 0xF

3750#
```

# Catalyst 3560

Use the **show version** command to determine the chassis serial number and switch model type, as this
example shows:

```
3560# show version
Cisco Internetwork Operating System Software
IOS (tm) C3560 Software (C3560-I5-M), Version 12.1(19)EA1c, RELEASE SOFTWARE (fc
2)
Copyright (c) 1986-2004 by cisco Systems, Inc.
Compiled Tue 03-Feb-04 05:56 by yenanh
Image text-base: 0x00003000, data-base: 0x0091D404

ROM: Bootstrap program is C3560 boot loader
BOOTLDR: C3560 Boot Loader (C3560-HBOOT-M) Version 12.1(19r)EA1b, RELEASE SOFTWA
RE (fc2)

3-8-03-CATS3560 uptime is 8 weeks, 4 days, 18 hours, 16 minutes
System returned to ROM by power-on
System image file is "flash:c3560-i5-mz.121-19.EA1c.bin"

cisco WS-C3560-24PS (PowerPC405) processor (revision D0) with 118776K/12288K byt
es of memory.
Processor board ID CSG0802P0G4
Last reset from power-on
Bridging software.
1 Virtual Ethernet/IEEE 802.3 interface(s)
24 FastEthernet/IEEE 802.3 interface(s)
2 Gigabit Ethernet/IEEE 802.3 interface(s)
The password-recovery mechanism is enabled.

512K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address : 00:0E:39:E9:32:80
Motherboard assembly number : 73-9299-01
Power supply part number : 341-0029-03
Motherboard serial number : CAT075108EK
Power supply serial number : LIT074900K3
Model revision number : D0
Motherboard revision number : C0
Model number : WS-C3560-24PS-E
System serial number : CSG0802P0G4
Top Assembly Part Number : 800-24814-01
Top Assembly Revision Number : D0
Version ID : N/A
Hardware Board Revision Number : 0x08
```

# Catalyst 3550

Use the **show version** command to determine the chassis serial number and switch model type, as this example shows:

```
Cat3550# show version
Cisco Internetwork Operating System Software
IOS (tm) C3550 Software (C3550-I5Q3L2-M), Version 12.1(12c)EA1, RELEASE SOFTWARE (fc1)
Copyright (c) 1986-2002 by cisco Systems, Inc.
Compiled Mon 25-Nov-02 00:07 by antonino
Image text-base: 0x00003000, data-base: 0x0075FE48

ROM: Bootstrap program is C3550 boot loader

Cat3550 uptime is 4 days, 2 hours, 57 minutes
System returned to ROM by power-on
System image file is "flash:c3550-i5q3l2-mz.121-12c.EA1.bin"

cisco WS-C3550-48 (PowerPC) processor (revision G0) with 65526K/8192K bytes of memory.
Processor board ID CHK0642W02B
Last reset from warm-reset
Bridging software.
Running Layer2/3 Switching Image

Ethernet-controller 1 has 12 Fast Ethernet/IEEE 802.3 interfaces

Ethernet-controller 2 has 12 Fast Ethernet/IEEE 802.3 interfaces

Ethernet-controller 3 has 12 Fast Ethernet/IEEE 802.3 interfaces

Ethernet-controller 4 has 12 Fast Ethernet/IEEE 802.3 interfaces

Ethernet-controller 5 has 1 Gigabit Ethernet/IEEE 802.3 interface

Ethernet-controller 6 has 1 Gigabit Ethernet/IEEE 802.3 interface

48 FastEthernet/IEEE 802.3 interface(s)
2 Gigabit Ethernet/IEEE 802.3 interface(s)

The password-recovery mechanism is enabled.
384K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address: 00:0B:46:8A:2F:80
Motherboard assembly number: 73-5701-07
Power supply part number: 34-0967-01
Motherboard serial number: CAT0641027L
Power supply serial number: DCA06392BU2
Model revision number: G0
Motherboard revision number: A0
Model number: WS-C3550-48-SMI
System serial number: CHK0642W02B
Configuration register is 0x10F
```

# Catalyst 2950/2970/2940

Use the **show version** command to determine the chassis serial number and switch model type, as this example shows:

```
Cat2950# show version
Cisco Internetwork Operating System Software
IOS (tm) C2950 Software (C2950-I6Q4L2-M), Version 12.1(12c)EA1, RELEASE SOFTWARE (fc1)
Copyright (c) 1986-2002 by cisco Systems, Inc.
```

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```
Compiled Sun 24-Nov-02 23:31 by antonino
Image text-base: 0x80010000, data-base: 0x80562000

ROM: Bootstrap program is CALHOUN boot loader

Cat2950 uptime is 4 days, 2 hours, 52 minutes
System returned to ROM by power-on
System image file is "flash:c2950-i6q4l2-mz.121-12c.EA1.bin"

cisco WS-C2950G-48-EI (RC32300) processor (revision C0) with 21002K bytes of memory.
Processor board ID FHK0624W0HS
Last reset from system-reset
Running Enhanced Image
48 FastEthernet/IEEE 802.3 interface(s)
2 Gigabit Ethernet/IEEE 802.3 interface(s)

32K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address: 00:09:E8:89:4A:40
Motherboard assembly number: 73-7409-08
Power supply part number: 34-0965-01
Motherboard serial number: FOC06230ERQ
Power supply serial number: DAB062143BP
Model revision number: C0
Motherboard revision number: B0
Model number: WS-C2950G-48-EI
System serial number: FHK0624W0HS
Configuration register is 0xF
```

# Catalyst 2900XL/3500XL

Use the **show version** command to determine the chassis serial number and switch model type, as this example shows:

```
Switch# show version
Cisco Internetwork Operating System Software
IOS (tm) C3500XL Software (C3500XL-C3H2S-M), Version 12.0(5.2)XU, MAINTENANCE
INTERIM SOFTWARE
Copyright (c) 1986-2000 by cisco Systems, Inc.
Compiled Mon 17-Jul-00 18:29 by ayounes
Image text-base: 0x00003000, data-base: 0x00301F3C

ROM: Bootstrap program is C3500XL boot loader

Switch uptime is 4 days, 3 hours, 4 minutes
System returned to ROM by power-on
System image file is "flash:c3500XL-c3h2s-mz-120.5.2-XU.bin"

Cisco WS-C3548-XL (PowerPC403) processor (revision 0x01) with 16384K/1024K bytes
of memory. Processor board ID FOC0616X0RG, with hardware revision 0x00
Last reset from power-on

Processor is running Enterprise Edition Software
Cluster command switch capable
Cluster member switch capable
48 FastEthernet/IEEE 802.3 interface(s)
2 Gigabit Ethernet/IEEE 802.3 interface(s)

32K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address: 00:09:7C:8E:78:80
Motherboard assembly number: 73-3903-09
Power supply part number: 34-0971-02
Motherboard serial number: FOC06160L07
```

```
Power supply serial number: APQ061200VZ
Model revision number: M0
Motherboard revision number: A0
Model number: WS-C3548-XL-EN
System serial number: FOC0616X0RG
Configuration register is 0xF
```

# Catalyst 2948GL3/4908G-L3/4980G-L3

Use the **show hardware** command to determine the chassis serial number, as this example shows:

```
2948g-l3# show hardware

Model: Cat-2948G-L3 Date: 17:49:42 UTC Tue Mar 18 2003

XPIF FPGA File:        xpif_fpga_0_72b_CClk.rbt
XPIF FPGA Date:        Wed Dec  8 17:05:42 1999

Slot 0/0:
    Chip 0  Reset Count: 0       Chip 1  Reset Count: 0
    Chip 2  Reset Count: 0       Chip 3  Reset Count: 0
    Chip 4  Reset Count: 0       Chip 5  Reset Count: 0
    Chip 6  Reset Count: 0       Chip 7  Reset Count: 0
    Chip 8  Reset Count: 0       Chip 9  Reset Count: 0
    Chip 10 Reset Count: 0       Chip 11 Reset Count: 0
EPIF Version    : 0                        CAM size: 32 KB
Ucode Version   : 1.0
Ucode Image     : EPIF_UCODE_RUNTIME
Port Phy Setup
    Port1 :DONE     Port2 :DONE     Port3 :DONE     Port4 :DONE
    Port5 :DONE     Port6 :DONE     Port7 :DONE     Port8 :DONE
    Port9 :DONE     Port10:DONE     Port11:DONE     Port12:DONE
    Port13:DONE     Port14:DONE     Port15:DONE     Port16:DONE
    Port17:DONE     Port18:DONE     Port19:DONE     Port20:DONE
    Port21:DONE     Port22:DONE     Port23:DONE     Port24:DONE
    Port25:DONE     Port26:DONE     Port27:DONE     Port28:DONE
    Port29:DONE     Port30:DONE     Port31:DONE     Port32:DONE
    Port33:DONE     Port34:DONE     Port35:DONE     Port36:DONE
    Port37:DONE     Port38:DONE     Port39:DONE     Port40:DONE
    Port41:DONE     Port42:DONE     Port43:DONE     Port44:DONE
    Port45:DONE     Port46:DONE     Port47:DONE     Port48:DONE

Slot 0/1:
XPIF Version    : 0                        CAM size: 128 KB
Ucode Version   : 1.0
Ucode Image     : XPIF_UCODE_RUNTIME
Port Phy Setup
    Port49:DONE     Port50:DONE

IDPROM Contents        :
  FRU Type             : 0x0.0x0
  OEM String           : Cisco_Systems
  Product Number       : WS-C2948G-L3
  Serial Number        : FOX05330ADH
  Mfg. Assembly No.    : 73-4083-07
  Mfg. Assembly Ver.   : A0
  Hardware Version     : 1.7
  FPGA Version         : 0
  SNMP IOD             : 9.5.1.3.1.1.2.275
  RMA Code             : 0
  Feature Bits         : 0x00000000
  MAC Address Base     : 00:07:85:07:DC:00
  Total MAC Addrs.     : 1024
```

Cisco – How to Determine the Serial Number of Catalyst Switch Components

# Catalyst 8510/8540

Use the **show hardware** command to determine the chassis serial number. Look for the `Backplane` serial number, as in this example:

```
8510# show hardware

C8510 named 8510, Date: 03:56:23 UTC Wed Jan 12 2000

Slot Ctrlr-Type     Part No.    Rev  Ser No   Mfg Date   RMA No.  Hw Vrs  Tst EEP
---- ------------   ----------  --   --------  ---------  -------- ------- --- ---
 4/* Route Proc     73-3775-04  A0   0322249G  Oct 01 99 0          5.7
 5/* Switch Card    73-3327-07  B0   031111F4  Mar 14 99 0          7.2
 7/* Switch Card    73-3327-07  B0   03151G44  May 22 99 0          7.2

DS1201 Backplane EEPROM:
Model     Ver.  Serial    MAC-Address   MAC-Size RMA RMA-Number MFG-Date
--------  ----  --------  ------------  -------- --- ---------- ------------
C8510       2   68011735  0010073D2600    1024    0          0 Jun 02 1998

Power Supply:
Slot Part No.          Rev  Serial No.  RMA No.     Hw Vrs  Power Consumption
---- ---------------- ---- ----------- ----------- ------- -----------------
0         34-0829-02  A000 APQ0237002Q 00-00-00-00  1.0              2746 cA
```

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| NetPro Discussion Forums – Featured Conversations for LAN |
| --- |
| Network Infrastructure: LAN Routing and Switching |
| Network Infrastructure: Getting Started with LANs |

# Related Information

- **Cisco Product Identification Tool** ( registered customers only)
- **LAN Product Support Pages**
- **LAN Switching Support Page**
- **Tools & Resources – Technical Support**
- **Technical Support – Cisco Systems**