

确定Catalyst交换机组件的序列号

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简介

本文档介绍如何确定Cisco Catalyst交换机上各种可更换组件的序列号。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档中的信息基于以下软件和硬件版本：

- 各种 Catalyst 交换机
- 各种软件版本

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。


规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

背景信息

在网络中创建部件数据库时必须使用序列号。通过 Cisco 技术支持创建服务请求时，您必须拥有现成的受影响设备的序列号。必须满足此要求，特别是在您需要更换部件或退货授权 (RMA) 的情况下。

不能修改 Cisco Catalyst 交换机的序列号。出于管理目的，您可以将运行 Cisco IOS® 软件的 Cisco Catalyst 交换机配置为返回自定义字符串。要创建自定义字符串，请在全局配置模式下发出 `snmp-server chassis-id` 命令。

 注意：有关show命令的特定信息，请参阅[Show Commands](#)。

Catalyst 6500

要确定机箱和其他组件的序列号，请发出 `show idprom` 命令：

```
<#root>
6506#
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>
```

要获取机箱序列号，请发出 `show idprom backplane` 命令：

```
<#root>
6506#
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

要获取模块序列号，请发出show idprom module slot <slot number>命令。或者，您可以发出show module命令：

<#root>

6506#

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

 注意：使用 `show diagbus` 命令可确定Flex WAN模块上的端口适配器的序列号。

Catalyst 4500

Catalyst 4500管理引擎II+/III/IV

要确定机箱和其他组件的序列号，请使用`show idprom`命令：

```
<#root>
```

```
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
```

要获取机箱序列号，请使用`show idprom chassis`命令：

```
<#root>
```

```
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
Snmp OID = 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
```

要获取电源序列号，请使用show idprom power-supply {1 | 2}命令：

```
<#root>
```

```
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
```

要获取模块序列号，请使用show idprom module slot <slot number>命令。或者，您可以使用show module命令：

```
<#root>
```

```
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

Catalyst 3750

使用 show version 命令可确定机箱序列号和交换机型号类型，如此处的示例所示。您可在输出中找到所有交换机堆栈成员、机箱和序列号信息：

```
<#root>
```

```
3750#
```

```
show version
```

```
Cisco Internetwork Operating System Software
Cisco 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-HB00T-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 bytes 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

```
-----  
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

要确定机箱序列号和交换机型号类型，请使用show version命令：

```
<#root>
```

```
3560#
```

```
show version
```

```
Cisco Internetwork Operating System Software
Cisco IOS (tm) C3560 Software (C3560-I5-M), Version 12.1(19)EA1c, RELEASE SOFTWARE (fc2)
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 SOFTWARE (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 bytes 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

要确定机箱序列号和交换机型号类型，请使用show version命令：

<#root>

Cat3550#

show version

Cisco Internetwork Operating System Software
Cisco 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

要确定机箱序列号和交换机型号类型，请使用show version命令：

<#root>

Cat2950#

show version

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

要确定机箱序列号和交换机型号类型，请使用 `show version` 命令：

<#root>

Switch#

show version

Cisco Internetwork Operating System Software
Cisco 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

要确定机箱序列号，请使用show hardware命令：

```
<#root>
```

```
2948g-13#
```

```
show hardware
```

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

```
XPIF FPGA File:      xpif_fpga_0_72b_CC1k.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 Adrs.   : 1024
```

Catalyst 9000

使用show version命令可确定机箱序列号。或者，您可以使用show module命令显示较小的输出：

```
<#root>
```

```
C9300#
```

```
show version
```

```
Cisco IOS XE Software, Version 17.06.04
Cisco IOS Software [Bengaluru], Catalyst L3 Switch Software (CAT9K_IOSXE), Version 17.6.4, RELEASE SOFTWARE
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2022 by Cisco Systems, Inc.
Compiled Sun 14-Aug-22 08:58 by mcpre
```

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ROM: IOS-XE ROMMON
BOOTLDR: System Bootstrap, Version 17.8.1r[FC2], RELEASE SOFTWARE (P)

C9300 uptime is 1 week, 2 days, 17 hours, 51 minutes
Uptime for this control processor is 1 week, 2 days, 17 hours, 54 minutes
System returned to ROM by Reload Command at 07:14:20 jst Wed Aug 2 2023
System restarted at 07:29:56 jst Wed Aug 2 2023
System image file is "flash:packages.conf"
Last reload reason: Reload Command

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:
<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to export@cisco.com.

Technology Package License Information:

Technology-package Current	Type	Technology-package Next reboot
network-advantage	Smart License	network-advantage
dna-advantage	Subscription Smart License	dna-advantage
AIR License Level: AIR DNA Advantage		
Next reload AIR license Level: AIR DNA Advantage		

Smart Licensing Status: Registration Not Applicable/Not Applicable

cisco C9300-24UX (X86) processor with 1317097K/6147K bytes of memory.
Processor board ID FJC2325E0HB
5 Virtual Ethernet interfaces
8 Gigabit Ethernet interfaces
64 Ten Gigabit Ethernet interfaces
4 TwentyFive Gigabit Ethernet interfaces
4 Forty Gigabit Ethernet interfaces
2048K bytes of non-volatile configuration memory.
8388608K bytes of physical memory.

1638400K bytes of Crash Files at crashinfo:.
11264000K bytes of Flash at flash:.

Base Ethernet MAC Address : c4:c6:03:9a:bd:80
Motherboard Assembly Number : 73-18276-03
Motherboard Serial Number : FJZ23210BTF
Model Revision Number : D0
Motherboard Revision Number : B0

Model Number : C9300-24UX

System Serial Number : FJC2325E0HB

CLEI Code Number :

Switch	Ports	Model	SW Version	SW Image	Mode
*	1 41	C9300-24UX	17.06.04	CAT9K_IOSXE	INSTALL

C9300#

show module

Switch	Ports	Model	Serial No.	MAC address	Hw Ver.	Sw Ver.
1	41					

C9300-24UX

FJC2325E0HB

c4c6.039a.bd80 V02 17.06.04

相关信息

- [显示命令](#)
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