搭載Supervisor 720且執行Cisco IOS軟體12.2(17)SX之前的Catalyst 6500的密碼復原程式

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簡介

本檔案介紹如何在搭載Supervisor 720的Catalyst 6500系列交換器(執行Cisco IOS®系統軟體(版本低於12.2(17)SX)上復原密碼。

12.2(17)SX之前的Cisco IOS軟體版本中的程式不同是因為思科錯誤ID CSCec36997(僅限註冊客戶)(在sup720-native上復原密碼會導致交換器處理器(SP)崩潰)。 當您的交換機受此錯誤影響時，您在進入RP ROMMON後，大約有10秒的時間將配置暫存器更改為0x2142。在這10秒之後，交換機將重新載入，並進行Software Forced reload。但是，如果在崩潰之前將配置暫存器更改為此值，則配置暫存器將在重新載入後生效，您可以繼續執行其餘過程。

必要條件

需求

本文件沒有特定需求。

採用元件

本檔案適用於執行Cisco IOS軟體版本12.2(17)SX之前的Supervisor 720型系統。如果您的Supervisor 720執行Cisco IOS軟體版本12.2(17)SX或更新版本，請參閱執行Cisco IOS系統軟體的Catalyst 6000/6500系列交換器的密碼復原程式檔案。

概觀

由於硬體不同，執行Cisco IOS的Catalyst 6500/6000上的開機順序與Cisco 7200系列路由器上的不同。重新通電後，SP將啟動。大約25-60秒後，它將控制檯所有權轉移到路由處理器(RP(MSFC))。

RP繼續載入捆綁的軟體映像。在SP將控制檯的控制權交給RP之後，立即按**Ctrl-Break**至關重要。如果您傳送中斷序列太快，則最終會進入SP的ROMMON，而不是您應該處於的位置。在主控台上看到以下訊息後，傳送中斷順序：

```
00:00:03: %OIR-6-CONSOLE: Changing console ownership to route processor
```

在此之後，口令恢復與普通路由器相同。

註：從現在起，運行Cisco IOS軟體的Catalyst 6500系列交換機稱為路由器。

慣例

如需文件慣例的詳細資訊，請參閱思科技術提示慣例。

逐步程序

由於Cisco IOS作業系統在交換機上運行，因此該交換機被配置為路由器。密碼復原程式與Cisco 7200系列路由器執行的步驟相同。例外情況是，您必須等待大約25至60秒才能開始中斷順序。

1. 將終端機或具有終端模擬的PC連線到路由器的控制檯埠。使用以下終端機設定：
   ```
   9600 baud rate
   No parity
   8 data bits
   1 stop bit
   No flow control
   ```
   電纜規格檔案中介紹了所需的控制檯電纜規格。模組安裝指南中提供了有關如何連線到控制檯埠的說明。連線到控制檯埠 — 僅Supervisor Engine部分提供了有用的資訊。
2. 如果仍然可以訪問路由器，請發出**show version**命令，並記錄配置暫存器的設定。它通常為0x2102或0x102。按一下此處檢視**show version**命令的輸出示例。
3. 如果您無法訪問路由器（由於登入或TACACS密碼丟失），可以安全地假設您的配置暫存器設定為0x2102。
4. 關閉電源，然後在電源開關的幫助下開啟路由器電源。
5. 在RP獲得控制檯埠的控制權後，立即按終端鍵盤上的**Break**。在執行Cisco IOS的Catalyst 6500上，SP首先啟動。然後將控制權交給RP。RP獲得控制後，啟動中斷順序。當您看到此訊息時，RP已控制主控台連線埠。（在看到以下消息之前不要啟動中斷順序）：
   ```
   00:00:03: %OIR-6-CONSOLE: Changing console ownership to route processor
   ```
   由於Cisco錯誤ID CSCec36997(僅供註冊客戶使用)（sup720-native上的密碼恢復會導致在SP上崩潰），您大約需要10秒才能完成步驟6，然後交換器就會崩潰。如果Break按鍵順序不起作用，請參閱密碼復原期間的標準Break按鍵順序組合以瞭解其他按鍵組合。
6. 在`rommon 1>`提示符下鍵入**confreg 0x2142**，以便在不載入配置的情況下從快閃記憶體啟動。
7. 交換器因軟體強制崩潰而崩潰：
   ```
   rommon 1 >
    00:00:41: %SYS-SP-3-LOGGER_FLUSHED: System was paused for 00:00:00 to ensure co.
   00:00:41: %SYS-SP-2-INTSCHED: 't_idle' at level 7
    -Process= "SCP Download Process", ipl= 7, pid= 57
    -Traceback= 4013991C 401232B4 402827F4 40282994 40283010 405CB010 402A9858 4013C
    00:00:41: %SYS-SP-2-INTSCHED: 't_idle' at level 7
    -Process= "SCP Download Process", ipl= 7, pid= 57
    -Traceback= 4013991C 401232B4 402827F4 40282994 40283010 405CB010 402A9858 4013C
    00:00:41: %SYS-SP-2-INTSCHED: 't_idle' at level 7
    -Process= "SCP Download Process", ipl= 7, pid= 57
    -Traceback= 4013991C 401232B4 402827F4 40282994 40283010 405CB010 402A9858 4013C
    00:00:41: %OIR-SP-6-CONSOLE: Changing console ownership to switch processor
   ```

```
*** System received a Software forced crash ***
 signal= 0x17, code= 0x24, context= 0x4269f6f4
 PC = 0x401370d8, Cause = 0x3020, Status Reg = 0x34008002
```

路由器重新啟動。但是，由於配置暫存器設定為0x2142，因此它忽略其儲存的配置。如果您看到路由器配置仍然存在（仍是以前的主機名），則表明配置暫存器在崩潰之前沒有及時更改為0x2142。如果是這種情況，請重新開始（步驟4）。 如果配置暫存器已正確更改為0x2142，則重新載入後會遇到初始配置問題。

8. 在每個設定問題後鍵入**no**，或按**Ctrl-C**跳過初始設定過程。
9. 在`Router>`提示時鍵入**enable**。您處於**enable**模式。將顯示`Router#`提示。
10. 發出**configure memory**或**copy start running**命令將非易失性RAM(NVRAM)複製到記憶體中非常重要。不要發出**configure terminal**命令。
11. 發出**write terminal**或**show running**命令。這些命令顯示路由器的配置。在此配置中，您將在所有介面下看到**shutdown**命令。這意味著所有介面當前均已關閉。您會看到加密或未加密格式的密碼。
12. 發出**configure terminal**命令以進入全域性配置模式並進行更改。現在提示符為`hostname(config)#`。
13. 在全域性配置模式下發出**enable secret**<password >以更改**啟用**密碼。
14. 發出**config-register 0x2102**命令，或是在全域性配置模式下步驟2中記錄的值(`Router(config)#`)，將配置值設回其原始值。
15. 更改任何虛擬終端密碼（如果存在）：

```
Router(config)#line vty 0 4
Router(config-line)#password cisco
Router(config-line)#^Z
Router#
```

16. 在正常使用的每個介面上發出**no shutdown**命令。發出**show ip interface brief**命令以檢視介面及其當前狀態的清單。您必須處於啟用模式(`Router#`)才能執行**show ip interface brief**命令。以下是一個介面的範例：

```
Router#show ip interface brief
Interface                  IP-Address      OK? Method Status                Prol
Vlan1                      172.17.10.10    YES TFTP   administratively down dow
Vlan10                     10.1.1.1        YES TFTP   administratively down dow
GigabitEthernet1/1         unassigned      YES unset  administratively down dow
GigabitEthernet1/2         unassigned      YES TFTP   administratively down dow
GigabitEthernet2/1         unassigned      YES TFTP   administratively down dow
GigabitEthernet2/2         unassigned      YES TFTP   administratively down dow
FastEthernet3/1            172.16.84.110   YES TFTP   administratively down dow
<snip>...

Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface fastEthernet 3/1
Router(config-if)#no shutdown
Router(config-if)#exit
Router(config)# <do other interfaces as necessary...>
```

17. 按**Ctrl-Z**離開配置模式。提示符現在為`hostname#`。
18. 發出**write memory**或**copy running startup**命令以提交更改。

輸出示例

此處的示例顯示了實際的密碼恢復過程。此範例是在Catalyst 6500系列交換器的幫助下建立。從**show version**和**show module**命令開始，檢視此示例中使用的元件。

```
Press RETURN to get started.

sup720>enable
Password:
sup720#
sup720#show version
Cisco Internetwork Operating System Software
IOS (tm) s72033_rp Software (s72033_rp-PS-M), Version 12.2(14)SX1, EARLY DEPLOY)
TAC Support: http://www.cisco.com/tac
Copyright (c) 1986-2003 by cisco Systems, Inc.
Compiled Tue 27-May-03 20:40 by ccai
Image text-base: 0x40008C10, data-base: 0x41ACE000

ROM: System Bootstrap, Version 12.2(14r)S9, RELEASE SOFTWARE (fc1)
BOOTLDR: s72033_rp Software (s72033_rp-PS-M), Version 12.2(14)SX1, EARLY DEPLOY)

sup720 uptime is 18 minutes
Time since sup720 switched to active is 17 minutes
System returned to ROM by power-on (SP by reload)
System image file is "disk0:s72033-ps-mz.122-14.SX1.bin"

cisco Catalyst 6000 (R7000) processor with 458752K/65536K bytes of memory.
Processor board ID
SR71000 CPU at 600Mhz, Implementation 0x504, Rev 1.2, 512KB L2 Cache
Last reset from power-on
X.25 software, Version 3.0.0.
Bridging software.
3 Virtual Ethernet/IEEE 802.3  interface(s)
96 FastEthernet/IEEE 802.3 interface(s)
58 Gigabit Ethernet/IEEE 802.3 interface(s)
1917K bytes of non-volatile configuration memory.
8192K bytes of packet buffer memory.

65536K bytes of Flash internal SIMM (Sector size 512K).
Configuration register is 0x2102

sup720#
sup720#show module
Mod Ports Card Type                              Model              Serial No.
--- ----- -------------------------------------- ------------------ -----------
  1   16  16 port GE RJ45                        WS-X6316-GE-TX     SAD04100A9R
  2   48  48 port 10/100 mb RJ-45 ethernet       WS-X6248-RJ-45     SAD041402P9
  4   16  SFM-capable 16 port 1000mb GBIC        WS-X6516A-GBIC     SAL0705CD7X
  5    2  Supervisor Engine 720 (Active)         WS-SUP720-BASE     SAD070600MU
  7   24  aCEF720 24 port 1000mb SFP             WS-X6724-SFP       SAD0725035Y
  9   48  48-port 10/100 mb RJ45                 WS-X6148-RJ45V     SAL06282HGE

Mod MAC addresses                       Hw    Fw           Sw           Status
--- ----------------------------------- ------ ------------ ------------ -------
  1  00d0.9738.702a to 00d0.9738.7039   0.202 5.3(1)       7.7(0.74)APP Ok
  2  0001.9709.5c90 to 0001.9709.5cbf   1.2   5.1(1)CSX    7.7(0.74)APP Ok
  4  0009.11f6.aa28 to 0009.11f6.aa37   1.0   7.2(1)       7.7(0.74)APP Ok
  5  000c.3042.844c to 000c.3042.844f   1.0   7.7(1)       12.2(14)SX1  Ok
  7  0030.f272.2666 to 0030.f272.267d   1.0   12.2(14r)S5  12.2(14)SX1  PwrDown
  9  0009.127c.8d40 to 0009.127c.8d6f   1.0   5.4(2)       7.7(0.74)APP Ok

Mod Sub-Module                  Model              Serial        Hw     Status
--- --------------------------- ------------------ ------------ ------- -------
  5 Policy Feature Card 3       WS-F6K-PFC3A       SAD070601DR   1.0    Ok
  5 MSFC3 Daughterboard         WS-SUP720          SAD070500YF   1.0    Ok
  7 unknown FRU type (major = 0 WS-F6700-CFC       SAD073201KC   1.0    PwrDown
  9 Inline Power Module         WS-F6K-PWR                       1.0    Ok

Mod Online Diag Status
```

```
--- -------------------
  1 Pass
  2 Pass
  4 Pass
  5 Pass
  7 Unknown
  9 Pass
sup720#
sup720#
sup720#reload
Proceed with reload? [confirm]

!--- Here you turn off the power and then turn it back on. !--- Here it is done with a reload
instead of a hard power-cycle. *Sep 29 04:21:13: %SYS-5-RELOAD: Reload requested by console.
*Sep 29 04:21:16: %OIR-SP-6-CONSOLE: Changing console ownership to switch procer *Sep 29
04:21:18: %SYS-SP-5-RELOAD: Reload requested *Sep 29 04:21:18: %OIR-SP-6-CONSOLE: Changing
console ownership to switch procer *** *** --- SHUTDOWN NOW --- *** !--- First, the switch
processor comes up. System Bootstrap, Version 7.7(1) Copyright (c) 1994-2003 by cisco Systems,
Inc. Cat6k-Sup720/SP processor with 524288 Kbytes of main memory Autoboot executing command:
"boot disk0:s72033-ps-mz.122-14.SX1.bin" Self decompressing the image :
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7013. cisco Systems, Inc. 170 West Tasman Drive San Jose, California 95134-1706 Cisco
Internetwork Operating System Software IOS (tm) s72033_sp Software (s72033_sp-SP-M), Version
12.2(14)SX1, EARLY DEPLOY) TAC Support: http://www.cisco.com/tac Copyright (c) 1986-2003 by
cisco Systems, Inc. Compiled Tue 27-May-03 20:48 by ccai Image text-base: 0x40020C10, data-base:
0x40B98000 00:00:03: %PFREDUN-6-ACTIVE: Initializing as ACTIVE processor
00:00:03: %OIR-6-CONSOLE: Changing console ownership to route processor

!--- The RP now has control of the console. !--- This is when you send the break sequence.
System Bootstrap, Version 12.2(14r)S9, RELEASE SOFTWARE (fc1) TAC Support:
http://www.cisco.com/tac Copyright (c) 2003 by cisco Systems, Inc. Cat6k-Sup720/RP platform with
524288 Kbytes of main memory Download Start *** Mistral Interrupt on line 4 *** System memory 1
bit ECC correctable error interrupt .. PC = 0x8000841c, SP = 0x80007f00, RA = 0x80008488 Cause
Reg = 0x00004400, Status Reg = 0x3041c003 rommon 1 > !--- You are now in ROMMON mode on the RP.
Continue the password !--- recovery procedure just as on any router. Changing the configuration
!--- register from 0x2102 to 0x2142 causes the router to ignore the existing !--- configuration.
It needs to be ignored because it has passwords that are not !--- known. Due to Cisco bug ID
CSCec36997 : Password recovery on sup720-native leads to crash !--- on SP. You have about 10
seconds to change the configuration register to 0x2142. !--- After these 10 seconds, the SP
crashes. If the config register is not changed !--- in time, start again. rommon 1 > confreg
0x2142

You must reset or power cycle for new config to take effect.

rommon 2 >

 !--- Without any intervention, the switch crashes in about 10 seconds !--- after you break into
RP ROMMON. 00:00:31: %SYS-SP-3-LOGGER_FLUSHED: System was paused for 00:00:00 to ensure co.
00:00:31: %SYS-SP-2-INTSCHED: 't_idle' at level 7 -Process= "SCP Download Process", ipl= 7, pid=
57 -Traceback= 4013991C 401232B4 402827F4 40282994 40283010 405CB010 402A9858 4013C 00:00:31:
%SYS-SP-2-INTSCHED: 't_idle' at level 7 -Process= "SCP Download Process", ipl= 7, pid= 57 -
Traceback= 4013991C 401232B4 402827F4 40282994 40283010 405CB010 402A9858 4013C 00:00:31: %SYS-
SP-2-INTSCHED: 't_idle' at level 7 -Process= "SCP Download Process", ipl= 7, pid= 57 -Traceback=
4013991C 401232B4 402827F4 40282994 40283010 405CB010 402A9858 4013C 00:00:31: %OIR-SP-6-
CONSOLE: Changing console ownership to switch processor *** System received a Software forced
crash *** signal= 0x17, code= 0x24, context= 0x4269f6f4 PC = 0x401370d8, Cause = 0x3020, Status
Reg = 0x34008002 System Bootstrap, Version 7.7(1) Copyright (c) 1994-2003 by cisco Systems, Inc.
Cat6k-Sup720/SP processor with 524288 Kbytes of main memory Autoboot executing command: "boot
disk0:s72033-ps-mz.122-14.SX1.bin" Self decompressing the image :
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Cat6k-Sup720/RP platform with 524288 Kbytes of main memory Download Start !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! Download Completed! Booting the image. Self decompressing the image : #################################################] Restricted Rights Legend Use, duplication, or disclosure by the Government is subject to restrictions as set forth in subparagraph (c) of the Commercial Computer Software - Restricted Rights clause at FAR sec. 52.227-19 and subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS sec. 252.227-7013. cisco Systems, Inc. 170 West Tasman Drive San Jose, California 95134-1706 Cisco Internetwork Operating System Software IOS (tm) s72033_rp Software (s72033_rp-PS-M), Version 12.2(14)SX1, EARLY DEPLOY) TAC Support: http://www.cisco.com/tac Copyright (c) 1986-2003 by cisco Systems, Inc. Compiled Tue 27-May-03 20:40 by ccai Image text-base: 0x40008C10, data-base: 0x41ACE000 cisco Catalyst 6000 (R7000) processor with 458752K/65536K bytes of memory. Processor board ID SR71000 CPU at 600Mhz, Implementation 0x504, Rev 1.2, 512KB L2 Cache Last reset from power-on X.25 software, Version 3.0.0. Bridging software. 1 Virtual Ethernet/IEEE 802.3 interface(s) 96 FastEthernet/IEEE 802.3 interface(s) 58 Gigabit Ethernet/IEEE 802.3 interface(s) 1917K bytes of non-volatile configuration memory. 8192K bytes of packet buffer memory. 65536K bytes of Flash internal SIMM (Sector size 512K). --- System Configuration Dialog --- Would you like to enter the initial configuration dialog? [yes/no]: n !--- The router ignores the saved configuration and enters !--- the initial configuration mode. Press RETURN to get started! 00:00:03: %SYS-3-LOGGER_FLUSHED: System was paused for 00:00:00 to ensure conso. 00:00:46: curr is 0x10000 00:00:46: RP: Currently running ROMMON from F1 region 00:01:00: %SYS-5-RESTART: System restarted -- Cisco Internetwork Operating System Software IOS (tm) s72033_rp Software (s72033_rp-PS-M), Version 12.2(14)SX1, EARLY DEPLOY) TAC Support: http://www.cisco.com/tac Copyright (c) 1986-2003 by cisco Systems, Inc. Compiled Tue 27-May-03 20:40 by ccai 00:01:00: %SNMP-5-COLDSTART: SNMP agent on host Router is undergoing a cold stat 00:01:00: %SYS-6 Router>-BOOTTIME: Time taken to reboot after reload = 1807 seconds Firmware compiled 19-May-03 10:54 by integ Build [100] 00:00:54: %SPANTREE-SP-5-EXTENDED_SYSID: Extended SysId enabled for type vlan 00:00:54: SP: SP: Currently running ROMMON from F1 region 00:01:00: %SYS-SP-5-RESTART: System restarted -- Cisco Internetwork Operating System Software IOS (tm) s72033_sp Software (s72033_sp-SP-M), Version 12.2(14)SX1, EARLY DEPLOY) TAC Support: http://www.cisco.com/tac Copyright (c) 1986-2003 by cisco Systems, Inc. Compiled Tue 27-May-03 20:48 by ccai 00:01:01: %OIR-SP-6-INSPS: Power supply inserted in slot 1 00:01:01: %C6KPWR-SP-4-PSOK: power supply 1 turned on. 00:01:01: %OIR-SP-6-INSPS: Power supply inserted in slot 2 00:01:01: %C6KPWR-SP-4-PSOK: power supply 2 turned on. 00:01:01: %C6KPWR-SP-4-PSREDUNDANTBOTHSUPPLY: in power-redundancy mode, system . 00:01:05: %FABRIC-SP-5-FABRIC_MODULE_ACTIVE: the switching fabric module in sloe 00:01:06: %DIAG-SP-6-RUN_MINIMUM: Module 5: Running Minimum Diagnostics... Router> Router> 00:01:18: %DIAG-SP-6-DIAG_OK: Module 5: Passed Online Diagnostics 00:01:18: %OIR-SP-6-INSCARD: Card inserted in slot 5, interfaces are now online 00:01:21: %DIAG-SP-6-RUN_MINIMUM: Module 4: Running Minimum Diagnostics... Router> Router> Router> 00:01:36: %DIAG-SP-6-RUN_MINIMUM: Module 9: Running Minimum Diagnostics... Router> Router> 00:01:42: %DIAG-SP-6-RUN_MINIMUM: Module 1: Running Minimum Diagnostics... 00:01:44: %DIAG-SP-6-DIAG_OK: Module 4: Passed Online Diagnostics 00:01:45: %OIR-SP-6-INSCARD: Card inserted in slot 4, interfaces are now online 00:01:54: %DIAG-SP-6-DIAG_OK: Module 9: Passed Online Diagnostics 00:01:54: %OIR-SP-6-INSCARD: Card inserted in slot 9, interfaces are now online 00:01:57: %DIAG-SP-6-DIAG_OK: Module 1: Passed Online Diagnostics 00:01:57: %OIR-SP-6-INSCARD: Card inserted in slot 1, interfaces are now online 00:02:06: %DIAG-SP-6-RUN_MINIMUM: Module 2: Running Minimum Diagnostics... 00:02:15: %DIAG-SP-6-DIAG_OK: Module 2: Passed Online Diagnostics 00:02:15: %OIR-SP-6-INSCARD: Card inserted in slot 2, interfaces are now online Router> Router>enable
Router#

!--- You go right into privilege mode without needing a password. !--- At this point, the configuration running-config is a default configuration !--- with all the ports administratively down (shutdown). Router#copy startup-config running-config
Destination filename [running-config]? <press enter>
```

```
 !--- This pulls in your original configuration. Since you are already in privilege !--- mode,
the passwords in this configuration (that are not known) do not affect you. 4864 bytes copied in
2.48 secs (2432 bytes/sec) sup720# sup720#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
sup720(config)#enable secret < password > [Choose a strong password with at least one capital
letter, one number, and one special character.]

!--- Overwrite the password that you do not know. This is your new enable password. sup720#show
ip interface brief
Interface                  IP-Address      OK? Method Status                Prol
Vlan1                      10.48.72.142    YES TFTP   administratively down dow
Vlan500                    10.1.1.1        YES TFTP   administratively down dow
Vlan501                    10.2.2.1        YES TFTP   administratively down dow
GigabitEthernet1/1         unassigned      YES TFTP   administratively down dow
GigabitEthernet1/2         unassigned      YES TFTP   administratively down dow
GigabitEthernet1/3         unassigned      YES TFTP   administratively down dow
GigabitEthernet1/4         unassigned      YES TFTP   administratively down dow
GigabitEthernet1/5         unassigned      YES TFTP   administratively down dow
GigabitEthernet1/6         unassigned      YES TFTP   administratively down dow
GigabitEthernet1/7         unassigned      YES TFTP   administratively down dow
<snip>...

 !--- Issue the no shut command on all interfaces that you want to bring up.


sup720#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
sup720(config)#interface gig 1/1
sup720(config-if)#no shut
sup720(config-if)#^Z
sup720#

!--- Overwrite the virtual terminal passwords. sup720#configure terminal
sup720(config)#line vty 0 4
sup720(config-line)#password XXX
sup720(config-line)#^Z
sup720#

!--- Restore the configuration register to its normal state !--- so that it no longer ignores
the stored configuration file. sup720#show version
Cisco Internetwork Operating System Software
IOS (tm) s72033_rp Software (s72033_rp-PS-M), Version 12.2(14)SX1, EARLY DEPLOY)
TAC Support: http://www.cisco.com/tac
Copyright (c) 1986-2003 by cisco Systems, Inc.
Compiled Tue 27-May-03 20:40 by ccai
Image text-base: 0x40008C10, data-base: 0x41ACE000

ROM: System Bootstrap, Version 12.2(14r)S9, RELEASE SOFTWARE (fc1)
BOOTLDR: s72033_rp Software (s72033_rp-PS-M), Version 12.2(14)SX1, EARLY DEPLOY)

sup720 uptime is 4 minutes
Time since sup720 switched to active is 4 minutes
System returned to ROM by power-on (SP by error - a Software forced crash, PC 0)
System image file is "disk0:s72033-ps-mz.122-14.SX1.bin"

cisco Catalyst 6000 (R7000) processor with 458752K/65536K bytes of memory.
Processor board ID
SR71000 CPU at 600Mhz, Implementation 0x504, Rev 1.2, 512KB L2 Cache
Last reset from power-on
X.25 software, Version 3.0.0.
Bridging software.
3 Virtual Ethernet/IEEE 802.3  interface(s)
96 FastEthernet/IEEE 802.3 interface(s)
58 Gigabit Ethernet/IEEE 802.3 interface(s)
```

```
1917K bytes of non-volatile configuration memory.
8192K bytes of packet buffer memory.

65536K bytes of Flash internal SIMM (Sector size 512K).
Configuration register is 0x2142
sup720#
sup720#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
sup720(config)#config-register 0x2102
sup720(config)#

!--- Verify that the configuration register is changed for the next reload. sup720#show version
Cisco Internetwork Operating System Software
IOS (tm) s72033_rp Software (s72033_rp-PS-M), Version 12.2(14)SX1, EARLY DEPLOY)
TAC Support: http://www.cisco.com/tac
Copyright (c) 1986-2003 by cisco Systems, Inc.
Compiled Tue 27-May-03 20:40 by ccai
Image text-base: 0x40008C10, data-base: 0x41ACE000

ROM: System Bootstrap, Version 12.2(14r)S9, RELEASE SOFTWARE (fc1)
BOOTLDR: s72033_rp Software (s72033_rp-PS-M), Version 12.2(14)SX1, EARLY DEPLOY
sup720 uptime is 4 minutes
Time since sup720 switched to active is 4 minutes

System returned to ROM by power-on (SP by error - a Software forced crash, PC 0)
System image file is "disk0:s72033-ps-mz.122-14.SX1.bin"

cisco Catalyst 6000 (R7000) processor with 458752K/65536K bytes of memory.
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X.25 software, Version 3.0.0.
Bridging software.
3 Virtual Ethernet/IEEE 802.3  interface(s)
96 FastEthernet/IEEE 802.3 interface(s)
58 Gigabit Ethernet/IEEE 802.3 interface(s)
1917K bytes of non-volatile configuration memory.
8192K bytes of packet buffer memory.

65536K bytes of Flash internal SIMM (Sector size 512K).
Configuration register is 0x2142 (will be 0x2102 at next reload)
sup720#
sup720#copy running-config startup-config
Destination filename [startup-config]?




Building configuration...
[OK]
sup720#

!--- Optional: If you want to test that the router operates properly and that you have changed
the passwords, !--- reload and test. sup720#reload

Proceed with reload? [confirm]
```

相關資訊

- LAN 產品支援頁面
- LAN 交換支援頁面
- 技術支援 - Cisco Systems