# 运行 12.2(17)SX 之前版本的 Cisco IOS 软件且配 有 Supervisor 720 的 Catalyst 6500 的口令恢复 过程

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## <u>简介</u>

本文档介绍如何在运行 Cisco IOS® 系统软件(版本低于 12.2(17)SX)的 Catalyst 6500 系列交换 机(带有 Supervisor 720)上恢复口令。

12.2(17)SX之前的Cisco IOS软件版本的操作步骤不同的原因是Cisco Bug ID <u>CSCec36997</u>(仅限<u>注</u> 册客户)(在sup720上恢复口令会导致交换机处理器(SP)崩溃。 当您的交换机遇到此Bug时,在进入 RP ROMMON后,您大约有10秒的时间将配置寄存器更改为0x2142。在这10秒后,交换机将重新 加载软件强制重新加载。但是,如果您在崩溃前将配置寄存器更改为此值,则此值将在重新加载后 生效,并且您可以继续执行剩余过程。

## <u>先决条件</u>

### <u>要求</u>

本文档没有任何特定的要求。

### <u>使用的组件</u>

本文档适用于运行版本低于 12.2(17)SX 的 Cisco IOS 软件且基于 Supervisor 720 的系统。如果您 的Supervisor 720运行Cisco IOS软件版本12.2(17)SX或更高版本,请参阅<u>运行Cisco IOS系统软件</u> 的Catalyst 6000/6500系列交换机的口令恢复程序文档。

概述

由于硬件不同,运行 Cisco IOS 的 Catalyst 6500/6000 的启动顺序与 Cisco 7200 系列路由器的启动顺序不同。在为机箱重新通电后,SP 将启动。大约 25-60 秒后,它将控制台所有权转交给路由处理器 (RP (MSFC))。 RP 继续加载捆绑的软件映像。请务必在 SP 将控制台控制权转交给 RP 之后立即按 Ctrl-Break。如果您太早发送中断序列,则您会进入 SP 的 ROMMON 模式,这不是您想要的模式。请在控制台上显示以下消息后发送中断序列:

00:00:03: %OIR-6-CONSOLE: Changing console ownership to route processor 在这之后,口令恢复过程与普通路由器一样。

**注意:**从此开始,运行Cisco IOS软件的Catalyst 6500系列交换机称为路由器。

### 规则

有关文件规则的更多信息请参见" Cisco技术提示规则"。

### 分步过程

由于交换机上运行 Cisco IOS 操作系统,因此交换机的配置方式与路由器相同。口令恢复过程的步 骤与 Cisco 7200 系列路由器相同。不同之处是在开始发送中断序列之前,您必须多等待 25-60 秒

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1. 将终端或带终端仿真功能的 PC 连接到路由器的控制台端口。使用以下终端设置:

- 9600 baud rate No parity
- 8 data bits 1 stop bit
- No flow control

电缆规格文档中描述了所需的控制台电缆规格。有关如何连接到控制台端口的说明,请参阅<u>模</u> 块安装指南。连接到控制台端口 - 仅 Supervisor 引擎部分提供了有用的信息。

- 如果您仍需要访问路由器,请发送 show version 命令,并且记录配置寄存器设置。它通常为 0x2102或0x102。单击此处查看show version命令的示例输出。
- 如果您无法访问路由器(由于丢失登录口令或 TACACS 口令),则将配置寄存器设置为 0x2102 较安全。
- 4. 使用电源开关先关闭路由器电源, 然后再将其打开。
- 5. 在 RP 获得控制台端口的控制权后,立即按终端键盘上的 **Break。**在运行 Cisco IOS 的 Catalyst 6500 上,SP 先启动。然后,它将控制权转交给 RP。在 RP 获得控制权后,启动中 断序列。当显示此消息时,RP 已获得控制台端口的控制权。(在看见以下消息前,请不要发 送中断顺序信号):

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

由于Cisco Bug ID <u>CSCec36997</u>(仅限注册客户)(在sup720-native上恢复口令会导致SP崩 溃),因此在交换机崩溃之前,您有大约10秒的时间完成步骤6。<u>如果中断序列不起作用,请</u> 参阅口令恢复过程中的标准break键序列组合,获取其他键组合。

- 6. 请在 rommon 1> confreg 0x2142,以便在不装载配置的情况下从闪存处引导。
- 7. 交换机因软件强制崩溃而崩溃:

```
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

路由器重新启动。但是,由于配置寄存器设置为0x2142,因此它会忽略其保存的配置。如果 您看到路由器配置仍然存在(仍旧是以前的主机名),则表明在崩溃之前配置寄存器未及时更 改为0x2142。如果出现这种情况,请重新启动(步骤 4)。 如果配置寄存器已正确地更改为 0x2142,则重新加载后,会显示初始配置问题。

- 8. 在每个设置问题后面键入 no,或者按 Ctrl-C 跳过初始设置程序。
- 9. 在 Router>提示符处键入 enable。现在您处于启用模式,且显示了 Router#
- 10. 发出 configure memory 或 copy start running 命令将非易失性 RAM (NVRAM) 复制到内存中 ,此操作**很重要。**请不要发出 configure terminal 命令。
- 11. 发出 write terminal 或 show running 命令。这些命令将显示路由器的配置。在此配置中 , shutdown 命令显示在所有接口下面。这意味着所有接口当前已关闭。此外,口令都采用加 密或未加密格式。
- **12.** 发出 **configure terminal 命令以进入全局配置模式并进行更改。**当前的提示是 hostname(config)#。
- 13. 在全局配置模式下发出 enable secret < password > 以更改启用口令。
- 14. 发出 config-register 0x2102 命令或者在全局配置模式 (Router(config)#) 第 2 步记录的值,将 配置值设置回最初值。
- 15. 更改所有虚拟终端口令(如果存在虚拟终端):

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

16. 在正常使用的每个接口上发出 no shutdown 命令。发出 show ip interface brief 命令查看接口 及其当前状态的列表。您必须在启动模式 (Router#) 才能执行 show ip interface brief 命令。这 里给出一个接口例子:

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></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. 按下 Ctrl-z 离开配置模式。当前的提示 hostname#。
- 18. 发出 write memory 或 copy running startup 命令以提交更改。

## 此处的示例显示一个实际口令恢复过程。本示例是在 Catalyst 6500 系列交换机上创建的。首先发出 show version 和 show module 命令查看本示例中使用的组件。

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 48 48 port 10/100 mb RJ-45 ethernet 2 WS-X6248-RJ-45 SAD041402P9 16 SFM-capable 16 port 1000mb GBIC WS-X6516A-GBIC SAL0705CD7X 4 2 Supervisor Engine 720 (Active) 5 WS-SUP720-BASE SAD070600MU 7 24 aCEF720 24 port 1000mb SFP WS-X6724-SFP SAD0725035Y WS-X6148-RJ45V SAL06282HGE 9 48 48-port 10/100 mb RJ45 Mod MAC addresses Hw Fw Sw Status \_\_\_ \_\_\_\_\_ \_\_\_\_\_ 00d0.9738.702a to 00d0.9738.7039 0.202 5.3(1) 7.7(0.74)APP Ok 1 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 7 9	MSFC3 Daughterboard unknown FRU type (major = 0 Inline Power Module	WS-SUP720 WS-F6700-CFC WS-F6K-PWR	SAD070500YF SAD073201KC	1.0 1.0 1.0
Mod	Online Diag Status			
1	Pass			
2	Pass			
4	Pass			
5	Pass			
7	Unknown			
9	Pass			
sup	720#			
sup	720#			
sup	720 <b>#reload</b>			

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 : 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\_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

0k PwrDown

Ok

!--- 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 :

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 powerredundancy 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></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. 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 (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]

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