

Procedimento de recuperação de senha para o Catalyst 6500 com Supervisor 720 executando o Cisco IOS Software anterior ao 12.2(17)SX

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[Introduction](#)

Este documento descreve como recuperar uma senha em um Catalyst 6500 Series Switch com um Supervisor 720 que executa o software do Cisco IOS® System com uma versão anterior a 12.2(17)SX.

O motivo do procedimento ser diferente para as versões do Cisco IOS Software anteriores a 12.2(17)SX é o bug da Cisco ID [CSCec36997](#) (somente clientes [registrados](#)) (A recuperação de senha no sup720-native leva a um travamento no processador do switch (SP)). Quando seu switch está sujeito a esse bug, você tem aproximadamente 10 segundos após entrar no RP ROMMON para alterar o registro de configuração para 0x2142. Após esses 10 segundos, o switch é recarregado com uma recarga forçada de software. No entanto, se você alterar o registro de configuração para esse valor antes do travamento, ele entrará em vigor após o recarregamento e você poderá continuar com o resto do procedimento.

[Prerequisites](#)

[Requirements](#)

Não existem requisitos específicos para este documento.

[Componentes Utilizados](#)

Este documento se aplica aos sistemas baseados no Supervisor 720 que executam as versões do software Cisco IOS anteriores à 12.2(17)SX. Se o supervisor 720 executar o Cisco IOS Software Release 12.2(17)SX ou posterior, consulte o documento [Procedimento de Recuperação](#)

Overview

A sequência de inicialização é diferente no Catalyst 6500/6000 que executa o Cisco IOS do que no Cisco 7200 Series Router porque o hardware é diferente. Depois de desligar e desligar a caixa, a controladora de armazenamento é inicializada. Após aproximadamente 25 a 60 segundos, ele transfere a propriedade do console para o processador de rota (RP (MSFC)). O RP continua carregando a imagem do software em pacote. É crucial pressionar **Ctrl-Break** logo depois que a controladora de armazenamento entregar o controle do console ao RP. Se você enviar a sequência de interrupção muito cedo, acabará no ROMMON da controladora de armazenamento, que não é onde deveria estar. Envie a sequência de interrupção depois de ver esta mensagem no console:

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

Após este ponto, a recuperação da senha é feita da mesma maneira que em um roteador normal.

Observação: desse ponto em diante, o Switch Catalyst 6500 Series que executa o software Cisco IOS é conhecido como roteador.

Conventions

For more information on document conventions, refer to the [Cisco Technical Tips Conventions](#).

Procedimento Passo a Passo

O switch é configurado como um roteador porque o sistema operacional Cisco IOS é executado no switch. O procedimento de recuperação de senha segue as mesmas etapas de um Cisco 7200 Series Router. A exceção é que você precisa esperar cerca de 25 a 60 segundos mais antes de iniciar a sequência de interrupção.

1. Conecte um terminal ou PC com emulação de terminal à porta de console do roteador.

Utilize estas configurações de terminal:

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

As especificações do cabo do console necessário estão descritas no documento

Especificações do cabo. As instruções sobre como se conectar à porta do console estão no

[Guia de Instalação do Módulo](#). A seção [Conexão com a porta do console - Supervisor Engine Only](#) fornece informações úteis.

2. Se você ainda tem acesso ao roteador, emita o comando `show version` e registre a definição do registro de configuração. Geralmente é 0x2102 ou 0x102. Clique [aqui](#) para ver o exemplo de saída de um comando `show version`.
3. Se você não tiver acesso ao roteador (devido a um login perdido ou a uma senha TACACS), é seguro supor que seu registro de configuração está definido como 0x2102.
4. Desligue e ligue o roteador com a ajuda do switch de energia.
5. Pressione **Break** no teclado do terminal logo após o RP ganhar o controle da porta do

console. No Catalyst 6500 que executa o Cisco IOS, o SP é inicializado primeiro. Em seguida, ele transfere o controle para o RP. Depois que o RP ganhar controle, inicie a sequência de interrupção. O RP ganhou o controle da porta do console quando você vê esta mensagem. (Não inicie a sequência de break até ver esta mensagem):

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

Devido à ID de bug da Cisco [CSCec36997](#) (somente clientes [registrados](#)) (recuperação de senha no sup720-nativo leva a um travamento no SP), você tem cerca de 10 segundos para concluir a Etapa 6 antes que o switch falhe. Se a sequência de interrupção não funcionar, consulte as [Combinações de Sequência de Teclas de Interrupção Padrão Durante a Recuperação de Senha](#) para obter outras combinações de teclas.

6. Digite confreg 0x2142 no prompt ROMMON 1> para inicializar a partir da flash sem carregar a configuração.

7. O Switch trava com um travamento forçado do Software:

```
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
```

O roteador é reinicializado. No entanto, ele ignora sua configuração salva devido ao fato de que o registro de configuração está definido como 0x2142. Se você perceber que a configuração do roteador ainda está presente (ainda tem o nome de host anterior), ela indica que o registro de configuração não foi alterado em tempo para 0x2142 antes da pane. Se for esse o caso, comece novamente (Etapa 4). Se o registro de configuração for alterado corretamente para 0x2142, você obterá as perguntas de configuração inicial após o recarregamento.

8. Digite no depois de cada pergunta da configuração ou pressione Ctrl-C para pular o procedimento inicial de configuração.

9. Digite **enable** no prompt Router>. Você está no modo **enable**. O prompt Router# é exibido.

10. **É importante** emitir os comandos **configure memory** ou **copy start running** para copiar a RAM não volátil (NVRAM) na memória. Não emita o comando **configure terminal**.

11. Emita o comando **write terminal** ou **show running**. Estes comandos mostram a configuração do roteador. Nesta configuração, você verá o comando **shutdown** em todas as interfaces. Isso significa que todas as interfaces estão atualmente desligadas. Você vê as senhas em formato criptografado ou não criptografado.

12. Emita o comando **configure terminal** para entrar no modo de configuração global e fazer as alterações. O prompt agora é **hostname(config)#**.

13. Emita o comando **enable secret <password>** no modo de configuração global para alterar a habilitação de senha.

14. Emita o comando **config-register 0x2102** ou o valor registrado na Etapa 2 em modo de configuração global (Router(config)#) para redefinir o valor da configuração para seu valor original.

15. Altere quaisquer senhas de terminal virtual, se presentes:

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

16. Emita o comando **no shutdown** em todas as interfaces que estão normalmente em uso.

Emita um comando **show ip interface brief** para ver uma lista de interfaces e seu status atual. Você deve estar em modo de habilitação (Roteador#) para executar o comando **show ip interface brief**. Aqui está um exemplo de uma interface:

```
Router#show ip interface brief
Interface                IP-Address      OK? Method Status        Procl
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. Pressione Ctrl-Z para sair do modo de configuração. O prompt agora é **hostname#**.

18. Emita os comandos **write memory** ou **copy running startup** para confirmar as alterações.

Saída de exemplo

O exemplo aqui mostra um procedimento real de recuperação de senha. Este exemplo é criado com a ajuda de um switch Catalyst 6500 Series. Comece com os comandos **show version** e **show module** para ver os componentes usados neste exemplo.

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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(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

!--- 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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!! Download Completed! Booting the image. Self decompressing the image :
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```

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	down
Vlan500	10.1.1.1	YES	TFTP	administratively down	down
Vlan501	10.2.2.1	YES	TFTP	administratively down	down
GigabitEthernet1/1	unassigned	YES	TFTP	administratively down	down
GigabitEthernet1/2	unassigned	YES	TFTP	administratively down	down
GigabitEthernet1/3	unassigned	YES	TFTP	administratively down	down
GigabitEthernet1/4	unassigned	YES	TFTP	administratively down	down
GigabitEthernet1/5	unassigned	YES	TFTP	administratively down	down
GigabitEthernet1/6	unassigned	YES	TFTP	administratively down	down
GigabitEthernet1/7	unassigned	YES	TFTP	administratively down	down

<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
```

```
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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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- [Páginas de Suporte de Produtos de LAN](#)
- [Página de suporte da switching de LAN](#)
- [Suporte Técnico - Cisco Systems](#)