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## [Introducción](#)

Este documento describe cómo recuperar un perdido o una contraseña desconocida en un Switch del Catalyst 4500/4000 con el módulo del V-10GE de un Supervisor Engine II-Plus (WS-X4013+), del Supervisor Engine II-Más-TS (WS-X4013+TS), del Supervisor Engine II-Plus-10GE (WS-X4013+10GE), del Supervisor Engine III (WS-X4014), del Supervisor Engine IV (WS-X4515), del Supervisor Engine V (WS-X4516), del Supervisor Engine (WS-X4516-10GE), el Cisco Catalyst 4948, Cisco Catalyst 4948 10GE, y los Cisco Catalyst 4900M Switch.

**Nota:** En el Switches de las 4500/4000 Series del Catalyst, los motores II+ del supervisor, II+10GE, II+TS, III, IV, V, y motores solamente de Cisco IOS® del soporte del V-10GE del software y del supervisor I e II soporte solamente el software OS Catalyst. Para recuperar la contraseña en los motores del supervisor I o II, refiere al [procedimiento para recuperación de contraseña para el Catalyst 1200, 1400, 2901, 2902, 2926T/F, 2926GS/L, 2948G, 2980G, 4000, 5000, 5500, 6000, 6500 CatOS que se ejecuta.](#)

## [prerrequisitos](#)

### [Requisitos](#)

No hay requisitos específicos para este documento.

### [Convenciones](#)

Consulte [Convenciones de Consejos TécnicosCisco](#) para obtener más información sobre las convenciones del documento.

## [Procedimiento Paso a Paso](#)

Complete estos pasos para recuperar su contraseña:

**Nota:** Asegúrese que usted tiene acceso físico al Switch y que usted utiliza el acceso a la consola al módulo de Supervisor Engine mientras que usted realiza estos pasos. Para los detalles en la conexión de consola del Switch, refiera a [conectar un módem con el puerto de la consola en los switches de Catalyst.](#)

**Consejo:** La configuración del Switch no se pierde si el procedimiento se sigue según lo mencionado. Como mejor práctica, Cisco recomienda que usted tiene una copia de backup de la configuración de todos los dispositivos de Cisco en el servidor TFTP o un Network Management Server.

1. Ciclo del poder el dispositivo. Para accionar el ciclo, apague el dispositivo, entonces detrás encendido. Presione el **Ctrl-c** en el plazo de 5 segundos para prevenir el autoboot. Esta acción le pone en el modo de prompt del monitor de la memoria ROM (ROMmon). *!--- Here, you power cycle the switch.* \*\*\*\*\* \* \* \*  
Welcome to ROM Monitor for WS-X4014 System. \* \* Copyright (c) 1999-2000, 2001 by Cisco Systems, Inc. \* \* All rights reserved. \* \* \*  
\*\*\*\*\* ROM Monitor Program Version 12.1(10r)EY(1.21) Board type 1, Board revision 7 Swamp FPGA revision 16, Dagobah FPGA revision 43 Timer interrupt test passed. MAC Address : 00-02-b9-83-af-fe IP Address : 172.16.84.122 Netmask : 255.255.255.0 Gateway : 172.16.84.1 TftpServer : Not set. Main Memory : 256 MBytes \*\*\*\*\* The system will autoboot in 5 seconds \*\*\*\*\* **Type control-C to prevent autobooting. !---** *At this point, press Ctrl-C.*Autoboot cancelled..... please wait!!!Autoboot cancelled..... please wait!!!**rommon 1** > [interrupt] *!--- The module ended in the ROMmon.***rommon 1** > [interrupt]
2. Publique el comando **confreg** en el prompt ROMMON. Haga las selecciones que aparecen aquí en la negrilla para la recuperación de contraseña:**rommon 1** > **setrommon 1** > **confreg**  
Configuration Summary : => load ROM after netboot fails => console baud: 9600 => autoboot from: commands specified in 'BOOT' environment variable do you wish to change the configuration? y/n [n]: **y** enable "diagnostic mode"? y/n [n]: **n** enable "use net in IP bcast address"? y/n [n]: **n** disable "load ROM after netboot fails"? y/n [n]: **n** enable "use all zero broadcast"? y/n [n]: **n** enable "break/abort has effect"? y/n [n]: **n** enable "ignore system config info"? y/n [n]: **y** change console baud rate? y/n [n]: **n** change the boot characteristics? y/n [n]: **n** Configuration Summary : => load ROM after netboot fails => ignore system config info => console baud: 9600 => autoboot from: commands specified in 'BOOT' environment variable do you wish to save this configuration? y/n [n]: **y** **You must reset or power cycle for new configuration to take effect****Nota:** Usted puede también utilizar el comando **confreg 0x2142** en el prompt ROMMON para fijar el valor del registro de la configuración para desviar la configuración de inicio salvada en el NVRAM.**rommon 1** >**confreg 0x2142**You must reset or power cycle for the new configuration to take effect.
3. Publique el comando **reset** de modo que el módulo reinicie. Debido a los cambios que usted realizó en el paso 2, el módulo reinicia pero ignora la configuración guardada.**rommon 2** > **reset**Resetting .....**rommon 3** > \*\*\*\*\* \* \* \*  
\* \* \* Welcome to ROM Monitor for WS-X4014 System. \* \* Copyright (c) 1999-2000, 2001 by Cisco Systems, Inc. \* \* All rights reserved. \* \* \*  
\* \*\*\*\*\* *!--- Output suppressed.***Press RETURN to get started! !---** *Press Return.*00:00:21: %SYS-5-RESTART: System restarted --Cisco Internetwork Operating System Software IOS (tm) Catalyst 4000 L3 Switch Software (cat4000-IS-M), Version 12.1(8a)EW, RELEASE SOFTWARE (fc1)TAC Support: http://www.cisco.com/tacCopyright (c) 1986-2002 by cisco Systems, Inc.Compiled Thu 24-Jan-02 17:34 by ccai00:00:21: %SNMP-5-COLDSTART: SNMP agent on host Switch is undergoing a cold startSwitch>
4. Asegurese que el valor del registro de la configuración es 0x2142. Este valor hace el arranque del módulo del Flash sin una carga de la configuración guardada. Publique el comando **enable** en el prompt del Switch de ir al enable mode. Entonces, publique el comando **show version** de marcar el valor del registro de la configuración.**Switch**> **enable**Switch#**show version**Cisco Internetwork Operating System Software IOS (TM) Catalyst 4000 L3 Switch Software (cat4000-IS-M), Version 12.1(8a)EW, RELEASE SOFTWARE (fc1)TAC Support: http://www.cisco.com/tacCopyright (c) 1986-2002 by cisco Systems, Inc.Compiled Thu 24-Jan-02 17:34 by ccaiImage text-base: 0x00000000, data-base: 0x00AA2B8CROM: 12.1(10r)EY(1.21)Switch uptime is 5 minutesSystem returned to ROM by reloadRunning default softwarecisco WS-C4006 (MPC8245) processor (revision 7) with 262144K bytes of

```
memory.Processor board ID FOX04183666Last reset from Reload32 Gigabit Ethernet/IEEE 802.3
interface(s)467K bytes of non-volatile configuration memory.Configuration register is
0x2142Switch#
```

5. Publique el comando **configure memory** o el comando **copy startup-config running-config** de copiar el NVRAM en la memoria.No publique el comando **configure terminal**, que muestra la configuración predeterminada en el módulo.Switch#**configure memory**Uncompressed configuration from 1307 bytes to 3014 bytesSwitch#00:13:52: %SYS-5-CONFIG\_I: Configured from memory by consolec-4006-SUPIII#
6. Publique el comando **show ip interface brief** de asegurarse que las interfaces que eran demostración anterior funcionando al estatus del “up up”.Si es un de los las interfaces que eran funcionando antes de la demostración de la recuperación de contraseña “abajo”, publican el comando **no shutdown** en esa interfaz de sacar a colación la interfaz.
7. Publique el comando **write terminal** o el comando **show running-config** de visualizar la configuración guardada en el módulo.c-4006-SUPIII#**show running-config** Building configuration...Current configuration : 3014 bytes!version 12.1no service padservice timestamps debug uptime-service timestamps log uptime-no service password-encryption-service compress-config!hostname c-4006-SUPIII!boot system flash bootflash!:vtp mode transparent!--  
- *Output suppressed.*line con 0 stopbits 1line vty 0 4 login!endc-4006-SUPIII#Ahora ya puede cambiar la contraseña en el módulo.
8. Publique estos comandos de cambiar la contraseña:c-4006-SUPIII#**configure terminal** Enter configuration commands, one per line. End with CNTL/Z.c-4006-SUPIII(config)#**no enable secret**!--- *This step is necessary if the switch had an enable !--- secret password.*c-4006-SUPIII(config)#**enable secret < password > [Choose a strong password with at least one capital letter, one number, and one special character.]**!--- *This command sets the new password.*
9. Asegurese que usted cambia el valor del registro de la configuración de nuevo a 0x2102.Complete estos pasos en el prompt de los `config` para cambiar y para verificar el valor del registro de la configuración.c-4006-SUPIII(config)#**config-register 0x2102**c-4006-SUPIII(config)# ^Zc-4006-SUPIII#00:19:01: %SYS-5-CONFIG\_I: Configured from console by consolec-4006-SUPIII#**write memory** !--- *This step saves the configuration.*Building configuration...Compressed configuration from 3061 bytes to 1365 bytes[OK]c-4006-SUPIII#**show version** !--- *This step verifies the value change.*Cisco Internetwork Operating System Software IOS (TM) Catalyst 4000 L3 Switch Software (cat4000-IS-M), Version 12.1(8a)EW, RELEASE SOFTWARE (fc1)TAC Support: http://www.cisco.com/tacCopyright (c) 1986-2002 by cisco Systems, Inc.Compiled Thu 24-Jan-02 17:34 by ccaiImage text-base: 0x00000000, database: 0x00AA2B8CROM: 12.1(10r)EY(1.21)c-4006-SUPIII uptime is 20 minutesSystem returned to ROM by reloadRunning default softwarecisco WS-C4006 (MPC8245) processor (revision 7) with 262144K bytes of memory.Processor board ID FOX04183666Last reset from Reload32 Gigabit Ethernet/IEEE 802.3 interface(s)467K bytes of nonvolatile configuration memory.Configuration register is 0x2142 (**will be 0x2102 at next reload**)c-4006-SUPIII#En este momento, usted ha cambiado la contraseña.

## [Procedimiento de ejemplo/salida de muestra](#)

Esta salida de muestra es el resultado del procedimiento para recuperación de contraseña en un Catalyst 4000 Supervisor Engine III.

```
c-4006-SUPIII> enablePassword: Password: Password: % Bad secrets !--- Here, you power cycle the
switch.***** * * * Welcome to ROM Monitor
for WS-X4014 System. * * Copyright (c) 1999-2000, 2001 by Cisco Systems, Inc. * * All rights
reserved. * * * ***** ROM Monitor Program
Version 12.1(10r)EY(1.21) Board type 1, Board revision 7 Swamp FPGA revision 16, Dagobah FPGA
revision 43 Timer interrupt test passed. MAC Address : 00-02-b9-83-af-fe IP Address :
172.16.84.122 Netmask : 255.255.255.0 Gateway : 172.16.84.1 TftpServer : Not set. Main Memory :
256 Mbytes ***** The system will autoboot in 5 seconds ***** Type control-C to prevent
autobooting. !--- At this point, press Ctrl-C.Autoboot cancelled..... please wait!!!Autoboot
```

```
cancelled..... please wait!!!rommon 1 > [interrupt]rommon 1 > [interrupt]rommon 1 > confreg
Configuration Summary : => load ROM after netboot fails => console baud: 9600 => autoboot from:
commands specified in 'BOOT' environment variable do you wish to change the configuration? y/n
[n]: y enable "diagnostic mode"? y/n [n]: n enable "use net in IP bcast address"? y/n [n]: n
disable "load ROM after netboot fails"? y/n [n]: n enable "use all zero broadcast"? y/n [n]: n
enable "break/abort has effect"? y/n [n]: n enable "ignore system config info"? y/n [n]: y
change console baud rate? y/n [n]: n change the boot characteristics? y/n [n]: n Configuration
Summary : => load ROM after netboot fails => ignore system config info => console baud: 9600 =>
autoboot from: commands specified in 'BOOT' environment variable do you wish to save this
configuration? y/n [n]: y You must reset or power cycle for new configuration to take
effectrommon 2 > resetResetting .....rommon 3 >
*****
* * Welcome to ROM Monitor for WS-X4014 System. * * Copyright (c) 1999-2000, 2001
by Cisco Systems, Inc. * * All rights reserved. * *
* ***** ROM Monitor Program Version
12.1(10r)EY(1.21) Board type 1, Board revision 7 Swamp FPGA revision 16, Dagobah FPGA revision
43 Timer interrupt test passed. MAC Address : 00-02-b9-83-af-fe IP Address : 172.16.84.122
Netmask : 255.255.255.0 Gateway : 172.16.84.1 TftpServer : Not set. Main Memory
: 256 Mbytes ***** The system will autoboot in 5 seconds ***** Type control-C to prevent
autobooting. . . . . ***** The system will autoboot now ***** config-register = 0x2142
Autobooting using BOOT variable specified file..... Current BOOT file is --- bootflash: Rommon
reg: 0x2B004180Decompressing the image :
#####
##### [OK]k2diags version 1.6prod: WS-X4014 part: 73-6854-07 serial:
JAB0546060ZPower-on-self-test for Module 1: WS-X4014Status: (. = Pass, F = Fail)Traffic using
serdes loopback (L2; one port at a time)...switch port 0: . switch port 1: . switch
port 2: . switch port 3: . switch port 4: . switch port 5: . switch port
6: . switch port 7: . switch port 8: . !--- Output suppressed.Module 1
PassedExiting to ios...Rommon reg: 0x2B000180Decompressing the image :
#####!--- Output
suppressed.##### [OK] Restricted Rights
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in subparagraph(c) of the Commercial Computer Software - RestrictedRights clause at FAR sec.
52.227-19 and subparagraph(c) (1) (ii) of the Rights in Technical Data and ComputerSoftware
clause at DFARS sec. 252.227-7013. cisco Systems, Inc. 170 West Tasman Drive San Jose,
California 95134-1706Cisco Internetwork Operating System Software IOS (TM) Catalyst 4000 L3
Switch Software (cat4000-IS-M), Version 12.1(8a)EW, RELEASE SOFTWARE (fc1)TAC Support:
http://www.cisco.com/tacCopyright (c) 1986-2002 by cisco Systems, Inc.Compiled Thu 24-Jan-02
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Systems, Inc.Compiled Thu 24-Jan-02 17:34 by ccai00:00:21: %SNMP-5-COLDSTART: SNMP agent on host
Switch is undergoing a cold startSwitch> enableSwitch# show versionCisco Internetwork Operating
System Software IOS (TM) Catalyst 4000 L3 Switch Software (cat4000-IS-M), Version 12.1(8a)EW,
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interface(s)467K bytes of nonvolatile configuration memory.Configuration register is
0x2142Switch#Switch#configure memoryUncompressed configuration from 1307 bytes to 3014 bytesc-
4006-SUPIII#00:13:52: %SYS-5-CONFIG_I: Configured from memory by consolec-4006-SUPIII#show
running-config Building configuration...Current configuration : 3014 bytes!version 12.1no
service padservice timestamps debug uptime-service timestamps log uptime-no service password-
encryption-service compress-config!hostname c-4006-SUPIII!boot system flash bootflash:!vtp mode
transparent!vlan 20 private-vlan primary!vlan 100!vlan 202 private-vlan association 440!
vlan 440 private-vlan isolated!vlan 500ip subnet-zero ip domain-lookup!ip multicast-
routing!!interface GigabitEthernet1/1 no switchport ip address 10.1.1.1 255.255.255.0 ip pim
dense-mode!interface GigabitEthernet1/2 no switchport ip address 20.1.1.1 255.255.255.0!!---
Output suppressed.!interface Vlan1 ip address 172.16.84.140 255.255.255.0 ip pim dense-
mode!interface Vlan2 no ip address shutdown!interface Vlan20 no ip address shutdown!!--- Output
```

*suppressed.*! line con 0 stopbits 1line vty 0 4 login!endc-4006-SUPIII#**configure terminal** Enter configuration commands, one per line. End with CNTL/Z.c-4006-SUPIII(config)#**no enable secret**!--  
- *This step is necessary if the switch had !---* an enable secret password.c-4006-SUPIII(config)#**enable secret < password > [Choose a strong password with at least one capital letter, one number, and one special character.]**c-4006-SUPIII(config)#**config-register 0x2102**c-4006-SUPIII(config)#^Zc-4006-SUPIII#00:19:01: %SYS-5-CONFIG\_I: Configured from console by consolec-4006-SUPIII#**write memory**Building configuration...Compressed configuration from 3061 bytes to 1365 bytes[OK]c-4006-SUPIII#**show version**Cisco Internetwork Operating System Software IOS (TM) Catalyst 4000 L3 Switch Software (cat4000-IS-M), Version 12.1(8a)EW, RELEASE SOFTWARE (fc1)TAC Support: <http://www.cisco.com/tac>Copyright (c) 1986-2002 by cisco Systems, Inc.Compiled Thu 24-Jan-02 17:34 by ccaiImage text-base: 0x00000000, database: 0x00AA2B8CROM: 12.1(10r)EY(1.21)c-4006-SUPIII uptime is 20 minutesSystem returned to ROM by reloadRunning default softwarecisco WS-C4006 (MPC8245) processor (revision 7) with 262144K bytes of memory.Processor board ID FOX04183666Last reset from Reload32 Gigabit Ethernet/IEEE 802.3 interface(s)467K bytes of nonvolatile configuration memory.**Configuration register is 0x2142 (will be 0x2102 at next reload)**c-4006-SUPIII#

## [Información Relacionada](#)

- [Combinaciones de Secuencias Estándar de Teclas de Interrupción Durante la Recuperación de Contraseña](#)
- [Procedimientos para Recuperación de Contraseñas](#)
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