

# Contenu

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## [Introduction](#)

Ce document explique comment récupérer un mot de passe perdu ou inconnu sur un commutateur Catalyst 4500/4000 avec un module Supervisor Engine II-Plus (WS-X4013+), Supervisor Engine II-Plus-TS (WS-X4013+TS), Supervisor Engine II-Plus-10GE (WS-X4013+10GE), Supervisor Engine III (WS-X4014), Supervisor Engine IV (WS-X4515), Supervisor Engine V (WS-X4516), Supervisor Engine V-10GE (WS-X4516-10GE), et des commutateurs Cisco Catalyst 4948, Cisco Catalyst 4948 10GE et Cisco Catalyst 4900M.

**Remarque:** Dans les commutateurs de la gamme Catalyst 4500/4000, Supervisor Engines II+, II+10GE, II+TS, III, IV, V et V-10GE prennent uniquement en charge le logiciel Cisco IOS® et Supervisor Engines I et II prennent uniquement en charge le système d'exploitation Catalyst. Afin de récupérer le mot de passe sur Supervisor Engine I ou II, consultez la [Procédure de récupération de mot de passe pour Catalyst 1200, 1400, 2901, 2902, 2926T/F, 2926GS/L, 2948G, 2980G, 4000, 5000, 5500, 6000, 6500 CatOS exécutant CatOS](#).

## [Conditions préalables](#)

### [Conditions requises](#)

Aucune spécification déterminée n'est requise pour ce document.

### [Conventions](#)

Pour plus d'informations sur les conventions utilisées dans ce document, reportez-vous à [Conventions relatives aux conseils techniques Cisco](#).

## [Procédure pas à pas](#)

Suivez ces étapes pour récupérer votre mot de passe :

**Remarque:** Assurez-vous que vous disposez d'un accès physique au commutateur et que vous accédez par console au module Supervisor Engine lorsque vous effectuez ces étapes. Pour des détails sur la connexion par console du commutateur, consultez [Connexion d'un modem au port de console sur des commutateurs Catalyst](#).

**Conseil :** La configuration du commutateur n'est pas perdue si la procédure mentionnée est suivie. En tant que meilleure pratique, Cisco vous recommande de conserver une copie de sauvegarde de la configuration de tous les périphériques Cisco sur le serveur TFTP ou sur un serveur de gestion de réseau.

1. Éteignez puis rallumez le périphérique. Pour ce faire, mettez le périphérique hors tension, puis à nouveau sous tension. Appuyez sur **Ctrl-C** dans un délai de 5 secondes pour empêcher le démarrage automatique. Cette action active le mode d'invite moniteur 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. Émettez la commande **confreg** à l'invite rommon prompt. Effectuez les sélections qui apparaissent ici en caractères gras pour la récupération de mots de passe :

```
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
Remarque: Vous pouvez également utiliser la commande confreg 0x2142 à l'invite ROMmon afin de définir la valeur de registre de configuration pour contourner la configuration de démarrage enregistrée dans la NVRAM.
rommon 1 > confreg 0x2142 You must reset or power cycle for the new configuration to take effect.
```

3. Émettez la commande **reset** de sorte que le module redémarre. En raison des modifications que vous avez apportées à l'étape 2, le module redémarre mais ignore la configuration enregistrée.

```
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 ccai
00:00:21: %SNMP-5-COLDSTART: SNMP agent on host Switch is undergoing a cold start
Switch>
```

4. Assurez-vous que la valeur de registre de configuration est 0x2142. Cette valeur permet au module de démarrer à partir du Flash sans chargement de la configuration enregistrée.

Émettez la commande **enable** à l'invite Switch pour passer au mode enable. Émettez ensuite la commande **show version** pour vérifier la valeur de registre de configuration.

```
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 ccai
Image 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. Émettez la commande **configure memory** ou la commande **copy startup-config running-config** pour copier la NVRAM dans la mémoire.N'émettez pas la commande **configure terminal**, qui montre la configuration par défaut sur le module.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. Émettez la commande **show ip interface brief** pour vous assurer que les interfaces précédemment utilisées indiquent un état « up up ».Si l'une des interfaces utilisées avant la récupération de mot de passe affiche « down », émettez la commande **no shutdown** sur cette interface afin de l'activer.
7. Émettez la commande **write terminal** ou la commande **show running-config** pour afficher la configuration enregistrée sur le module.c-4006-SUPIII#**show running-config** Building configuration...Current configuration : 3014 bytes!version 12.1no service padservice timestamps debug uptimeservice 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#**Vous êtes maintenant prêt à modifier le mot de passe sur le module.**
8. Émettez ces commandes pour modifier le mot de passe :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. Assurez-vous de modifier à nouveau la valeur de registre de configuration avec la valeur 0x2102.Complétez ces étapes à l'invite config prompt pour modifier et vérifier la valeur de registre de configuration.c-4006-SUPIII(config)#**config-register 0x2102**c-4006-SUPIII(config)#**^Z**c-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#**À ce stade, vous avez modifié le mot de passe.**

## [Exemple de sortie/exemple de procédure](#)

Cet exemple de sortie est le résultat de la procédure de récupération de mots de passe sur Supervisor Engine III Catalyst 4000.

```
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
LegendUse, duplication, or disclosure by the Government issubject to restrictions as set forth
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
17:34 by ccaiImage text-base: 0x00000000, database: 0x00AA2B8Ccisco 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.Press
RETURN to get started!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> enableSwitch# show versionCisco 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
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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 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 no 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#

## [Informations connexes](#)

- [Combinaisons de touches d'arrêt standard pendant la récupération d'un mot de passe](#)
- [Procédures de récupération de mot de passe](#)
- [Pages de support pour les produits LAN](#)
- [Page de support sur la commutation LAN](#)
- [Support et documentation techniques - Cisco Systems](#)