# 恢復2900整合多業務路由器密碼

## 目錄

## 簡介

本檔案將說明如何復原2900思科路由器的啟用密碼和啟用密碼。

## 必要條件

### 需求

本文件沒有特定需求。

### 採用元件

本檔案中的資訊是根據以下硬體版本：

- Cisco 2900系列整合式服務路由器(ISR)

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

### 相關產品

有關如何恢復相關產品密碼的資訊，請參閱[密碼恢復過程](#)。
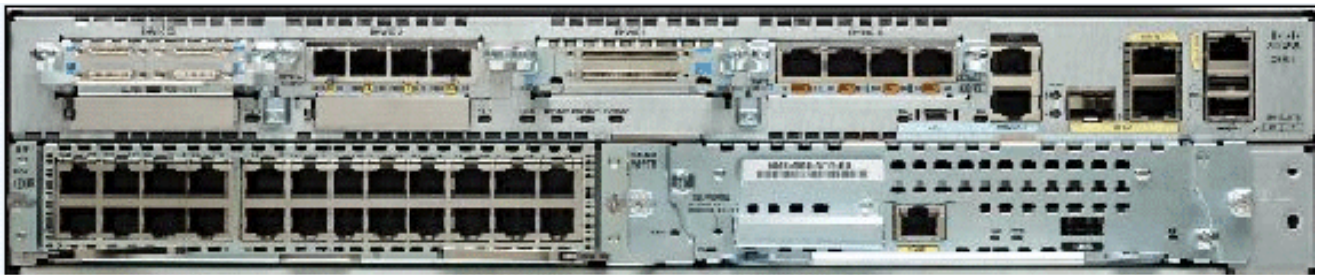
### 慣例

如需文件慣例的詳細資訊，請參閱思科技術提示慣例。

## 背景資訊

本檔案將說明如何重設使用密碼和使用密碼密碼。這些密碼可保護對特權執行模式和配置模式的訪問。enable password 可以恢復，但enable secret密碼已加密，必須用新密碼替換。使用本文檔中介紹的過程來替換使能加密口令。

## 逐步程序

要恢復密碼：

1. 關閉或關閉路由器。

2. 卸下路由器背面的快閃記憶體。此圖顯示2951路由器的背面：



2951路由器背面

   如需詳細資訊，請[參閱路由器概觀](#)。

3. 路由器上的交換機。

4. 路由器處於Rommon模式後，重新插入快閃記憶體。

5. 在rommon 1>提示符下鍵入 confreg 0x2142，以便從快閃記憶體啟動。

   此步驟繞過儲存密碼的啟動組態。

6. 在rommon 2>提示符下鍵入 reset。

   路由器重新啟動，但忽略儲存的配置。

7. 在每個設定問題後鍵入 no，或按Ctrl-C以跳過初始設定過程。

8. 在Router >提示時輸入enable。

   您處於啟用模式並看到Router#提示。

9. 輸入configure memory或copy startup-config running-config，將非揮發性RAM(NVRAM)複製到記憶體中。

   ⚠ 警告:請勿輸入copy running-config startup-config 或write。這些命令會清除啟動配置。

10. 發出show running-config命令。

   show running-config命令會顯示路由器的組態。在此配置中，shutdown命令出現在所有介面

下，表示所有介面當前均已關閉。此外，口令（使能口令、使能加密口令、vty口令和控制檯口令）採用加密格式或未加密格式。您可以重複使用未加密的密碼。您必須將加密密碼更改為新密碼。

11. 輸入configure terminal。

   出現hostname(config)#提示。

12. 輸入enable secret <password> 以更改enable secret 密碼。舉例來說：

   <#root>

   ```
   hostname(config)#

   enable secret cisco
   ```

13. 在您使用的每個介面上發出 no shutdown 命令。

   如果您發出show ip interface brief 命令，則您要使用的每個介面都顯示up。

14. 鍵入config-register <configuration_register_setting> 。其中<configuration_register_setting>是在步驟2中記錄的值或0x2102。舉例來說：

   <#root>

   ```
   hostname(config)#

   config-register 0x2102
   ```

15. 按Ctrl-z或end以離開配置模式。

   出現hostname#提示。

16. 類型 write memory 或 copy running-config startup-config 才能提交更改。

# 密碼復原程式範例

本部分提供了一個口令恢復過程的示例。此示例是使用Cisco 2900系列ISR建立的。即使您未使用Cisco 2900系列ISR，此輸出也提供了在產品上必須體驗的內容的示例。

<#root>

```
Router>
enable

Password:
Password:
Password:
```

```
% Bad secrets

Router>
show version


Cisco IOS Software, C2900 Software (C2900-UNIVERSALK9-M), Version 15.0(1)M1,
    RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2009 by Cisco Systems, Inc.
Compiled Wed 02-Dec-09 15:23 by prod_rel_team

ROM: System Bootstrap, Version 15.0(1r)M1, RELEASE SOFTWARE (fc1)

c2921-CCP-1-xfr uptime is 2 weeks, 22 hours, 15 minutes
System returned to ROM by reload at 06:06:52 PCTime Mon Apr 2 1900
System restarted at 06:08:03 PCTime Mon Apr 2 1900
System image file is "flash:c2900-universalk9-mz.SPA.150-1.M1.bin"
Last reload reason: Reload Command


This product contains cryptographic features and is subject to United
States and local country laws governing import, export, transfer and
use. Delivery of Cisco cryptographic products does not imply
third-party authority to import, export, distribute or use encryption.
Importers, exporters, distributors and users are responsible for
compliance with U.S. and local country laws. By using this product you
agree to comply with applicable laws and regulations. If you are unable
to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:
http://www.cisco.com/wwl/export/crypto/tool/stqrg.html

If you require further assistance please contact us by sending email to
export@cisco.com.

Cisco CISCO2921/K9 (revision 1.0) with 475136K/49152K bytes of memory.
Processor board ID FHH1230P04Y
1 DSL controller
3 Gigabit Ethernet interfaces
9 terminal lines
1 Virtual Private Network (VPN) Module
1 Cable Modem interface
1 cisco Integrated Service Engine-2(s)
   Cisco Foundation 2.2.1 in slot 1
DRAM configuration is 64 bits wide with parity enabled.
255K bytes of non-volatile configuration memory.
248472K bytes of ATA System CompactFlash 0 (Read/Write)
62720K bytes of ATA CompactFlash 1 (Read/Write)

Technology Package License Information for Module:'c2900'


-----------------------------------------------------------------
Technology    Technology-package        Technology-package
              Current      Type         Next reboot
-----------------------------------------------------------------
ipbase        ipbasek9     Permanent    ipbasek9
security      securityk9   Permanent    securityk9
uc            uck9         Permanent    uck9
data          datak9       Permanent    datak9


Configuration register is 0x2102
```

```
Router>


!--- Execute Steps 1 through 4 from Step-by-Step Procedure.


!

rommon 1 >

confreg 0x2142


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

rommon 2 >

reset


System Bootstrap, Version 15.0(1r)M1, RELEASE SOFTWARE (fc1)
Copyright (c) 2009 by cisco Systems, Inc.
TAC:Home:SW:IOS:Specials for info
C2900 platform with 524288 Kbytes of main memory


program load complete, entry point: 0x80008000, size: 0x6fdb4c

Self decompressing the image : ##############################
##############################################################
##############################################################
##############################################################
############################## [OK]


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```

```
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 --- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]:

 n


Press RETURN to get started!

00:00:19: %LINK-3-UPDOWN: Interface BRI0/0, changed state to up
00:00:19: %LINK-3-UPDOWN: Interface Ethernet0/0, changed state to up
00:00:19: %LINK-3-UPDOWN: Interface Ethernet0/1, changed state to up
00:00:19: %LINK-3-UPDOWN: Interface Serial0/0, changed state to down
00:00:19: %LINK-3-UPDOWN: Interface Serial0/1, changed state to down
00:00:20: %LINEPROTO-5-UPDOWN: Line protocol on Interface BRI0/0,
changed state to down
00:00:20: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/0,
 changed state to up
Router>
00:00:20: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/1,
changed state to up
00:00:20: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0,
changed state to down
00:00:20: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1,
changed state to down
00:00:50: %SYS-5-RESTART: System restarted --
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00:00:50: %LINK-5-CHANGED: Interface BRI0/0,
changed state to administratively down
00:00:52: %LINK-5-CHANGED: Interface Ethernet0/0,
changed state to administratively down
00:00:52: %LINK-5-CHANGED: Interface Serial0/0,
changed state to administratively down
00:00:52: %LINK-5-CHANGED: Interface Ethernet0/1,
changed state to administratively down
00:00:52: %LINK-5-CHANGED: Interface Serial0/1,
changed state to administratively down
00:00:53: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/0,
changed state to down
00:00:53: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/1,
changed state to down
Router>
Router>

enable

Router#

copy startup-config running-config

Destination filename [running-config]?
```

```
1324 bytes copied in 2.35 secs (662 bytes/sec)
Router#
00:01:24: %LINEPROTO-5-UPDOWN: Line protocol on Interface BRI0/0:1,
changed state to down
00:01:24: %LINEPROTO-5-UPDOWN: Line protocol on Interface BRI0/0:2,
changed state to down
Router#
```

**configure terminal**

```
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
```

**enable secret < password >**

```
Router(config)#
```

**^Z**

```
00:01:54: %SYS-5-CONFIG_I: Configured from console by console
Router#
```

**show ip interface brief**

```
Interface    IP-Address        OK? Method    Status              Protocol
Ethernet0/0 10.200.40.37      YES TFTP
```

**administratively down**

```
     down
Serial0/0    unassigned        YES TFTP
```

**administratively down**

```
     down
BRI0/0       192.168.121.157   YES unset
```

**administratively down**

```
     down
BRI0/0:1     unassigned        YES unset
```

**administratively down**

```
     down
BRI0/0:2     unassigned        YES unset
```

**administratively down**

```
     down
Ethernet0/1 unassigned         YES TFTP
```

**administratively down**

```
     down
Serial0/1    unassigned        YES TFTP
```

**administratively down**

```
     down
Loopback0    192.168.121.157   YES TFTP       up                    up
Router#
```

**configure terminal**

```
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
```

**interface Ethernet0/0**

Router(config-if)#

**no shutdown**

Router(config-if)#
00:02:14: %LINK-3-UPDOWN: Interface Ethernet0/0, changed state to up
00:02:15: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/0,
changed state to up
Router(config-if)#

**interface BRI0/0**

Router(config-if)#

**no shutdown**

Router(config-if)#
00:02:26: %LINK-3-UPDOWN: Interface BRI0/0:1, changed state to down
00:02:26: %LINK-3-UPDOWN: Interface BRI0/0:2, changed state to down
00:02:26: %LINK-3-UPDOWN: Interface BRI0/0, changed state to up
00:02:115964116991: %ISDN-6-LAYER2UP: Layer 2 for Interface BR0/0,
TEI 68 changed to up
Router(config-if)#

**^Z**

Router#
00:02:35: %SYS-5-CONFIG_I: Configured from console by console
Router#

**copy running-config startup-config**

Destination filename [startup-config]?
Building configuration...
[OK]
Router#

**show version**

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62720K bytes of ATA CompactFlash 1 (Read/Write)

Configuration register is 0x2102

Router#

**configure terminal**

Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#

**config-register 0x2102**

Router(config)#^Z
00:03:20: %SYS-5-CONFIG_I: Configured from console by console

Router#

**show version**

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Configuration register is 0x2142 (is

 **0x2102**

 at next reload)

Router#


# 相關資訊

- [密碼復原程序](密碼復原程序)

- [控制檯和AUX埠佈線指南](#)
- [將終端機連接至 Catalyst 交換器的主控台連接埠](#)
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