

Cisco 2900 Integrated Services Router的密码恢复流程

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本文档介绍了如何恢复 **enable password** 和 **enable secret** 口令。这些口令可对特权执行和配置模式的访问权限进行保护。启用口令可以恢复，但是启用加密口令经过了加密，必须使用新口令进行替换。请使用本文档介绍的过程替换 **enable secret** 口令。

[Prerequisites](#)

[Requirements](#)

There are no specific requirements for this document.

[Components Used](#)

本文档中的信息基于以下硬件版本：

- Cisco 2900 Series Integrated Services Router (ISR)

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

[相关产品](#)

有关如何恢复相关产品口令的信息，请参阅[口令恢复过程](#)。

[Conventions](#)

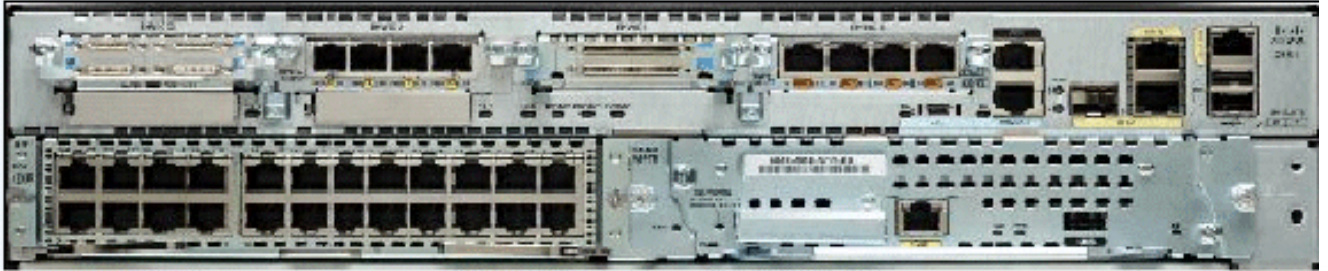
Refer to [Cisco Technical Tips Conventions](#) for more information on document conventions.

逐步程序

执行这些步骤为了恢复您的密码：

1. 任一个切断或关闭路由器。
2. 去除在路由器的后方的微型闪存。此镜像显示2951路由器的后方

:



欲知更多信息，请参见[Back面板Slot和连接器在Cisco 2921和2951路由器](#)。

3. 接通路由器。
4. 一旦路由器在ROMmon模式，请再插入微型闪存。
5. [在 rommon 1> 提示符处键入 confreg 0x2142，以便从闪存启动。](#) 此步骤将会跳过存储口令的启动配置。
6. 键入 **重置**在 rommon 2> 提示。路由器重新启动，但是忽略已保存的配置。
7. 在每个设置问题后键入 **no** 或按 Ctrl-C，跳过初始设置过程。
8. 键入 **enable (event)**在 Router> 提示。您将进入启用模式，此时应看到 Router# 提示符。
9. 键入 **configure memory** 或 **copy startup-config running-config**，将非易失性 RAM (NVRAM) 复制到内存中。**警告：** 请勿输入 **copy running-config startup-config** 也请勿写道。这些 **erase** 命令您的启动配置。
10. 发出 [show running-config](#) 命令。 **show running-config** 命令将会显示路由器的配置。在此配置中，在所有接口下将会出现 **shutdown** 命令，显示当前关闭的所有接口。另外，密码(特权密码、enable secret、VTY和控制台密码)在加密或未加密的格式。您能重新使用未加密的密码。您必须更改加密的密码到一个新的密码。
11. 类型 **配置终端**。hostname(config)-提示出现。
12. 键入 **enable secret <password>**，以更改 enable secret 口令。例如：

```
hostname(config)#enable secret cisco
```
13. 在所用的每个接口上发出 **no shutdown** 命令。 [如果发出 show ip interface brief 命令，则要使用的每个接口都应显示 up up。](#)
14. [键入 config-register <configuration register setting>。](#) 那里 **<configuration_register_setting>**是值您在第2步或0x2102记录了。例如：

```
hostname(config)#config-register 0x2102
```
15. 按 **Ctrl-z** 或 **end**，离开配置模式。提示出现。
16. [键入 write memory 或 copy running-config startup-config，以提交更改。](#)

密码恢复流程示例

本部分提供了一个口令恢复过程的示例。此示例用一个Cisco 2900系列ISR创建了。即使您不使用一个Cisco 2900系列ISR，此输出提供什么的示例您在您的产品应该体验。

```
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/wvl/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 Current	Technology-package Type	Technology-package 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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cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134-1706

Cisco IOS Software, C2900 Software (C2900-UNIVERSALK9-M), Version 15.0(1)M1,
RELEASE SOFTWARE (fc1)

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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)

--- 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 --
Cisco IOS Software, C2900 Software (C2900-UNIVERSALK9-M), Version 15.0(1)M1,
RELEASE SOFTWARE (fcl)
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
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	193.251.121.157	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  193.251.121.157      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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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**

Cisco IOS Software, C2900 Software (C2900-UNIVERSALK9-M), Version 15.0(1)M1,
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Cisco Foundation 2.2.1 in slot 1
DRAM configuration is 64 bits wide with parity enabled.
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62720K bytes of ATA CompactFlash 1 (Read/Write)

Configuration register is 0x2142 (will be **0x2102** at next reload)

Router#

Note: 为了恢复您的密码，当，请参见[恢复设备部分没有No service password-recovery](#)。

[Related Information](#)

- [密码恢复流程](#)
- [控制台和Aux端口的布线指南](#)
- [连接终端到Catalyst交换机的控制台端口](#)
- [将终端连接到 Catalyst 2948G-L3、4908G-L3 和 4840G 系列交换机](#)
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