

# Cisco 2600和2800系列路由器的密码恢复流程

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## [Introduction](#)

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 2600 系列路由器
- Cisco 2800 系列路由器

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

有关文档规则的信息，请参阅 [Cisco 技术提示规则](#)。

## 逐步程序

此部分描述两个程序恢复您的密码。

### 程序1

完成这些步骤为了恢复您的密码：

1. 附加终端或PC有终端仿真的路由器的控制台端口。使用以下终端设置：9600波特率无奇偶校验8个数据位1个停止位无流控制有关如何使用电缆将终端连接到控制台端口或AUX端口的信息，请参阅以下文档：[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](#)
2. 如果可以访问路由器，请在提示符处键入 **show version**，并且记录配置寄存器设置。参见[密码恢复流程示例](#)为了查看输出的**show version**命令。**Note:** 配置寄存器通常设置为0x2102或0x102。如果能不再访问路由器(由于未接通登录或TACACS密码)，您能安全假设，您的配置寄存器设置为0x2102。
3. 请使用电源开关为了关闭路由器，然后翻回路器。**重要说明：**要在Cisco 6400上模拟此步骤，请将节点路由处理器(NRP)或节点交换机处理器(NSP)卡拔出，然后再插入。要在带有NI-2的Cisco 6x00上模拟此步骤，请将NI-2卡拔出，然后再插入。
4. 按在终端键盘的**中断**在60秒功率以内为了举起路由器到ROMmon。如果中断顺序不起作用，请参阅[口令恢复过程中的标准break键序列组合](#)，获取其他键组合。
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：**请勿键入 **copy running-config startup-config** 或执行写操作。这些 erase命令您的启动配置。
10. 键入**show running-config**。**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，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>**。其中 **configuration\_register\_setting** 的值为步骤 2 中记录的值或 0x2102。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。

## 程序2

完成这些步骤为了恢复您的密码：

1. 关闭路由器。
2. 去除在路由器的返回的微型闪存。
3. 在路由器的功率。
4. 一旦 `Rommon1>` 提示出现，请输入此命令：

```
confreg 0x2142
```

5. 插入微型闪存。
6. 键入 **重置**。
7. 当提示您输入初始配置时，请键入 **没有**，并且按Enter。
8. 在 `Router>` 提示，请键入 **enable (event)**。
9. 在 `Router-` 提示，请输入 **configure memory** 命令，并且按Enter为了复制启动配置到运行的配置。
10. 请使用 **config t** 命令为了输入全局配置模式。
11. 请使用此命令为了创建一个新的用户名和密码：

```
router(config)#username cisco privilege 15 password  
cisco
```

12. 请使用此命令为了更改引导说明：

```
config-register  
0x2102
```

13. 请使用此命令为了保存配置：

```
write  
memory
```

14. 重新载入路由器，然后请使用新的用户名和密码登陆到路由器。

## 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。此示例是使用 Cisco 2600 系列路由器创建的。即使您使用的不是 Cisco 2600 系列路由器，以下输出也可为您的产品体验提供示例。

```
Router>enable  
Password:  
Password:  
Password:  
% Bad secrets
```

```
Router>show version  
Cisco Internetwork Operating System Software  
IOS (tm) C2600 Software (C2600-IS-M), Version 12.0(7)T, RELEASE SOFTWARE (fc2)  
Copyright (c) 1986-1999 by cisco Systems, Inc.  
Compiled Tue 07-Dec-99 02:21 by phanguye
```

Image text-base: 0x80008088, data-base: 0x80C524F8

ROM: System Bootstrap, Version 11.3(2)XA4, RELEASE SOFTWARE (fc1)

Router uptime is 3 minutes  
System returned to ROM by abort at PC 0x802D0B60  
System image file is "flash:c2600-is-mz.120-7.T"

cisco 2611 (MPC860) processor (revision 0x202) with 26624K/6144K bytes of memory.  
Processor board ID JAB031202NK (3878188963)  
M860 processor: part number 0, mask 49  
Bridging software.  
X.25 software, Version 3.0.0.  
Basic Rate ISDN software, Version 1.1.  
2 Ethernet/IEEE 802.3 interface(s)  
2 Serial(sync/async) network interface(s)  
1 ISDN Basic Rate interface(s)  
32K bytes of non-volatile configuration memory.  
8192K bytes of processor board System flash partition 1 (Read/Write)  
8192K bytes of processor board System flash partition 2 (Read/Write)

**Configuration register is 0x2102**

Router>

*!--- The router was just powercycled, and during bootup a !--- break sequence was sent to the router. !* \*\*\* System received an abort due to Break Key \*\*\* signal= 0x3, code= 0x500, context= 0x813ac158 PC = 0x802d0b60, Vector = 0x500, SP = 0x80006030 rommon 1 > **confreg 0x2142**

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

rommon 2 > **reset**

System Bootstrap, Version 11.3(2)XA4, RELEASE SOFTWARE (fc1)  
Copyright (c) 1999 by cisco Systems, Inc.  
TAC:Home:SW:IOS:Specials for info  
C2600 platform with 32768 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 Internetwork Operating System Software  
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2 Ethernet/IEEE 802.3 interface(s)  
2 Serial(sync/async) network interface(s)  
1 ISDN Basic Rate interface(s)  
32K bytes of non-volatile configuration memory.  
8192K bytes of processor board System flash partition 1 (Read/Write)  
8192K bytes of processor board System flash partition 2 (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 Internetwork Operating System Software  
IOS (tm) C2600 Software (C2600-IS-M), Version 12.0(7)T, RELEASE SOFTWARE (fc2)  
Copyright (c) 1986-1999 by cisco Systems, Inc.  
Compiled Tue 07-Dec-99 02:21 by phanguye  
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
Cisco Internetwork Operating System Software
IOS (tm) C2600 Software (C2600-IS-M), Version 12.0(7)T, RELEASE SOFTWARE (fc2)
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```

```
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2 Serial(sync/async) network interface(s)
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32K bytes of non-volatile configuration memory.
8192K bytes of processor board System flash partition 1 (Read/Write)
8192K bytes of processor board System flash partition 2 (Read/Write)
```

Configuration register is 0x2142

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 Internetwork Operating System Software
IOS (tm) C2600 Software (C2600-IS-M), Version 12.0(7)T, RELEASE SOFTWARE (fc2)
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```
2 Ethernet/IEEE 802.3 interface(s)
2 Serial(sync/async) network interface(s)
1 ISDN Basic Rate interface(s)
32K bytes of non-volatile configuration memory.
8192K bytes of processor board System flash partition 1 (Read/Write)
8192K bytes of processor board System flash partition 2 (Read/Write)
```

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

Router#

## [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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