

Cisco 1700和1800系列路由器的密码恢复流程

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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 1700 系列路由器
- Cisco 1800 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

请执行以下步骤以恢复口令：

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。请参阅[口令恢复过程示例](#)，查看 **show version** 命令的输出。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，然后翻回路由器。**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. 在启动后的 60 秒内按下终端键盘上的 **Break** 键，使路由器进入 ROMMON 模式。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。**重要信息**：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。如果在特权执行模式中发出 show ip interface brief 命令，则要使用的每个接口都应显示 up up。例如：Router#show IP接口摘要
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。

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
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

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)

--- 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)
Copyright (c) 1986-1999 by cisco Systems, Inc.
Compiled Tue 07-Dec-99 02:21 by phanguye

```

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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"

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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 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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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"

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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](#)
- [在密码恢复期间的标准break键顺序组合](#)
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