思科uBR7100、uBR7200和uBR10000通用寬頻路由器的口令恢復過程

目錄

簡介

本檔案將說明如何復原**使能密碼**和**使能密碼**。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，並且必須用新密碼替換。使用本文檔中介紹的過程來替換**使能密**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：

- uBR7100通用寬頻路由器
- uBR7200通用寬頻路由器
- uBR10000通用寬頻路由器

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。如果您的網路正在作用，請確保您已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

如需檔案慣例的相關資訊,請參閱思科技術提示慣例。

逐步程序

請依照以下步驟操作,以復原密碼:

1. 將終端機或具有終端模擬的PC連線到路由器的控制檯埠。使用以下終端機設定:9600波特率無奇偶校驗8個資料位1停止位無流量控制有關如何將終端機連線到主控台連線埠或AUX連線埠的電纜和連線方式,請參閱以下檔案: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將終端機連線到Catalyst 2948G-L3、4908G-L3和4840G系列交換器

2. 如果可以訪問路由器,請在提示符下鍵入**show version**,然後記錄配置暫存器設定。請參閱密碼復原程式範例以檢視**show version**命令的輸出**注意:配置暫存器通常設定**為0x2102或0x102。如果由於登入或TACACS密碼丟失而無法再訪問路由器,則可以安全地假設配置暫存器設定為0*x2102*。

3. 使用電源開關關閉路由器,然後重新開啟路由器。**重要附註:**要在Cisco 6400上模擬此步驟,請拔出並插入節點路由處理器(NRP)或節點交換處理器(NSP)卡。要在帶有NI-2的Cisco 6x00上模擬此步驟,請拔出並插入NI-2卡。

4. 在通電後60秒內按終端鍵盤上的**Break**,將路由器進入ROMMON模式。如果Break按鍵順序不起作用,請參閱密碼復原期間的標準Break按鍵順序組合以瞭解其他按鍵組合。

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>`提示時鍵入**enable**。您處於啟用模式,應該會看到`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。**重要事項:**請勿輸入**copy running-config startup-config**或**write**。這些命令會清除啟動配置。

10. 鍵入**show running-config**。**show running-config**命令會顯示路由器的配置。在此配置中,**shutdown**命令出現在所有介面下,表示所有介面當前都已關閉。此外,口令(使能口令、使能加密口令、vty口令、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. 鍵入**configure terminal**。出現`hostname(config)#`提示。

12. 輸入**enable secret <*password*>**以更改**enable secret**密碼。例如:
    ```
    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應顯示*up up*。

14. 輸入**config-register <*configuration_register_setting*>**。其中*configuration_register_setting*是在步驟2中記錄的值或*0x2102*。例如:
    ```
    hostname(config)#config-register 0x2102
    ```

15. 按**Ctrl-z**或**end**以離開配置模式。出現`hostname#`提示。

16. 輸入**write memory**或**copy running-config startup-config**以提交更改。

密碼復原程式範例

本節提供了一個口令恢復過程的示例。此示例是使用Cisco 2600系列路由器建立的。即使您未使用Cisco 2600系列路由器，此輸出仍會提供您應該在產品上體驗的示例。

```
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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IOS (tm) C2600 Software (C2600-IS-M), Version 12.0(7)T, RELEASE SOFTWARE (fc2)
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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 --
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.
```

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


Router#
```

相關資訊

- [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](#)
- [將終端機連線到Catalyst 2948G-L3、4908G-L3和4840G系列交換器](#)
- [密碼復原期間的標準Break按鍵順序組合](#)
- [技術支援 - Cisco Systems](#)