Ripristino della password di Integrated Services Router 2900

Sommario

Introduzione

Questo documento descrive come recuperare la **password enable** e **abilitare** le password **segrete** per il router Cisco 2900.

Prerequisiti

Requisiti

Nessun requisito specifico previsto per questo documento.

Componenti usati

Le informazioni di questo documento si basano sulle seguenti versioni hardware:

- Cisco serie 2900 Integrated Services Router (ISR)

Le informazioni discusse in questo documento fanno riferimento a dispositivi usati in uno specifico ambiente di emulazione. Su tutti i dispositivi menzionati nel documento la configurazione è stata ripristinata ai valori predefiniti. Se la rete è operativa, valutare attentamente eventuali conseguenze derivanti dall'uso dei comandi.

Prodotti correlati

Per informazioni su come recuperare le password dei prodotti correlati, fare riferimento a [Procedure di recupero della password.](#)

Convenzioni

Per ulteriori informazioni sulle convenzioni usate, consultare il documento Cisco sulle convenzioni

nei suggerimenti tecnici.

Premesse

In questo documento viene descritto come recuperare le password **enable password ed enable secret.** Tali password proteggono l'accesso a EXEC privilegiati e modalità di configurazione. La password **enable password può essere recuperata, al contrario della password enable secret che è criptata e deve essere sostituita con una nuova.** Per sostituire la password **enable secret,** attenersi alla procedura descritta di seguito.

Procedura dettagliata

Per recuperare la password:

1. Spegnere o arrestare il router.
2. Rimuovere la scheda Compact Flash sul retro del router. Nella figura viene mostrata la parte posteriore del router
2951:
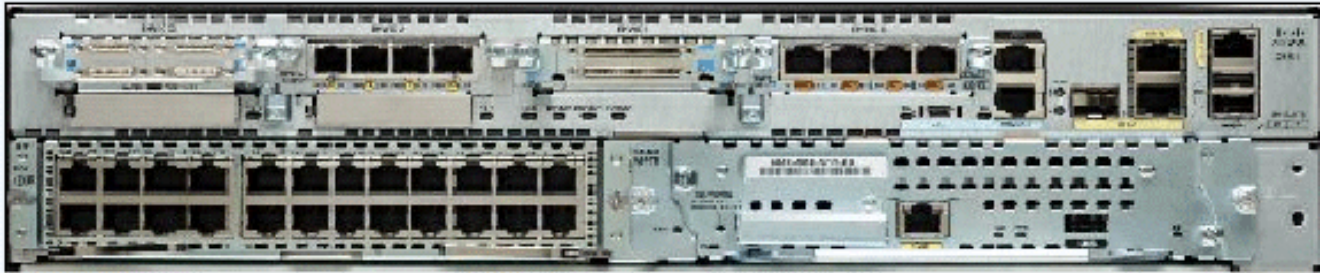
*Retro del router 2951*Per ulteriori informazioni, consultare il documento sulla panoramica dei router.
3. Accendere il router.
4. Quando il router è in modalità Rommon, reinserire la Compact Flash.
5. Digitare confreg 0x2142 sul prompt `rommon 1> per eseguire l'avvio dalla scheda Flash.`In questo passaggio, la configurazione di avvio su cui sono memorizzate le password viene ignorata.
6. Digitare **reset sul prompt rommon 2>.**Il router si riavvia, ma ignora la configurazione salvata.
7. Digitare **no a ogni domanda di impostazione oppure premere Ctrl-C per ignorare la procedura di impostazione iniziale.**
8. Digitare **enable sul prompt Router>.**In modalità abilitazione, viene visualizzato il prompt `Router#.`
9. Digitare **configure memory o copy startup-config running-config per copiare la RAM non volatile (NVRAM) nella memoria.Avviso: non** immettere **copy running-config startup-config** o in modalità di **scrittura.** Questi comandi cancellano la configurazione di avvio.
10. Usare il comando show running-config.Il comando **show running-config permette di visualizzare la configurazione del router.** In questa configurazione, il comando **shutdown viene visualizzato in tutte le interfacce, per segnalare che tutte le interfacce sono effettivamente disattivate.** Inoltre, le password (enable password, enable secret, vty e console) possono essere criptate o non criptate. Le password non criptate possono essere riutilizzate. Le password criptate devono essere sostituite.
11. Digitare **configure terminal.**Viene visualizzato il prompt `hostname(config)#.`
12. Digitare **enable secret <password> per cambiare la password enable secret.** Ad esempio:

```
hostname(config)#enable secret cisco
```

13. Usare il comando **no shutdown su ogni interfaccia usata.**Se si immette il comando **show ip interface brief**, tutte le interfacce che si desidera usare vengono *visualizzate* verso l'*alto*.

14. Digitare config-register <configuration_register_setting> . Dove **<configuration_register_setting>** è il valore registrato al passaggio 2 o**0x2102**. Ad esempio:
```
hostname(config)#config-register 0x2102
```

15. Premere **Ctrl-z o end per uscire dalla modalità di configurazione.**Viene visualizzato il prompt hostname#.

16. Tipo write memory o copy running-config startup-config per confermare le modifiche.

Esempio di procedura di recupero della password

In questa sezione viene fornito un esempio della procedura di recupero della password. Per questo esempio è stato usato un Cisco serie 2900 ISR. Anche se non si utilizza un Cisco serie 2900 ISR, questo output offre un esempio di ciò che è necessario sperimentare sul prodotto.

```
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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 Cisco Systems, Inc.
 170 West Tasman Drive
 San Jose, California 95134-1706

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     RELEASE SOFTWARE (fc1)
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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)


 --- 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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Last reload reason: Reload Command


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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
Cisco IOS Software, C2900 Software (C2900-UNIVERSALK9-M), Version 15.0(1)M1,
```

```
        RELEASE SOFTWARE (fc1)
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248472K bytes of ATA System CompactFlash 0 (Read/Write)
62720K bytes of ATA CompactFlash 1 (Read/Write)

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

Router#
```

Informazioni correlate

- [Procedure di recupero della password](#)
- [Guida al cablaggio delle porte console e AUX](#)
- [Collegamento di un terminale alla porta console sui Catalyst Switch](#)
- [Collegamento di un terminale ai Catalyst serie 2948G-L3, 4908G-L3 e 4840G Switch](#)
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