

將路由器重設為原廠預設值

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簡介

本文件說明如何將思科路由器還原為原廠預設設定。

必要條件

需求

若要執行本文所述的程式，您必須對路由器具有啟用（也稱為特權EXEC）存取許可權。

```
Router# <<< Privileged EXEC mode
```

採用元件

本文件所述內容不限於特定軟體和硬體版本。

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。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

慣例

如需文件慣例的詳細資訊，請參閱思科技術提示慣例。

將思科路由器重設為出廠預設值的說明

將Cisco路由器還原為其原始出廠預設值有兩種主要方法。下面將介紹這兩種方法。

 註：要檢視有關本文中命令的任何資訊，請參閱《Cisco IOS® [配置基礎命令參考](#)》。

方法1

該方法在全域性配置模式下使用config-register 0x2102命令。

1. 發出show version命令以檢查路由器上的配置暫存器。

配置暫存器設定顯示在show version命令輸出的最後一行，必須設定為0x2102。

```
<#root>
```

```
Router#
```

```
show version
```

```
Cisco IOS Software, VG3X0 Software (VG3X0-UNIVERSALK9-M), Version 15.4(3)M3, RELEASE SOFTWARE (fc2)  
Technical Support: http://www.cisco.com/techsupport  
Copyright (c) 1986-2015 by Cisco Systems, Inc.  
Compiled Fri 05-Jun-15 17:29 by prod_re1_team
```

```
ROM: System Bootstrap, Version 15.4(3r)M1a, RELEASE SOFTWARE (fc1)
```

```
Router uptime is 1 day, 14 hours, 14 minutes  
System returned to ROM by power-on  
System image file is "flash0:vg3x0-universalk9-mz.SPA.154-3.M3.bin"  
Last reload type: Normal Reload  
Last reload reason: power-on
```

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A summary of U.S. laws governing Cisco cryptographic products may be found at:
<http://www.cisco.com/ww1/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to export@cisco.com.

```
Cisco VG320 (revision 1.0) with 1003520K/45056K bytes of memory.  
Processor board ID FGL2023103U  
2 Gigabit Ethernet interfaces  
1 Virtual Private Network (VPN) Module  
DRAM configuration is 32 bits wide with parity enabled.  
255K bytes of non-volatile configuration memory.  
255488K bytes of ATA System CompactFlash 0 (Read/Write)
```

License Info:

License UDI:

```
-----  
Device#   PID                SN  
-----  
*0        VG320              FGL2023103U
```

Technology Package License Information for Module:'vg3x0'

```
-----  
Technology   Technology-package   Type           Technology-package  
             Current                Next reboot  
-----  
ipbase       ipbasek9             None           ipbasek9  
security     securityk9           RightToUse     securityk9  
uc           None                 None           None  
data         datak9               RightToUse     datak9  
NtwkEss     None                 None           None  
CollabPro   None                 None           None
```

Configuration register is 0x2102

如果不是這種情況，請在全域性配置模式下輸入config-register 0x2102命令一次。

```
<#root>
```

```
Router#
```

```
configure terminal
```

```
Router(config)#
```

```
config-register 0x2102
```

```
Router(config)#
```

```
end
```

```
Router#
```

如果再次發出show version命令，則命令輸出中的同一行可以將(下次重新載入時為0x2102)附加到當前暫存器設定。

2.使用write erase指令清除路由器上的目前啟動組態。

3.使用reload 指令重新載入路由器。當系統提示輸入save 入配置時，不要

```
<#root>
```

```
Router#
```

```
reload
```

```
System configuration has been modified. Save? [yes/no]:
```

```
n
```

```
Proceed with reload? [confirm]
```

路由器重新載入後，將出現System Configuration (系統配置) 對話方塊。

```
--- System Configuration Dialog ---
```

```
Would you like to enter the initial configuration dialog? [yes/no]:
```

路由器現在已重置為原始出廠預設設定。

方法2

該方法在全域性配置模式下使用config-register 0x2142命令。

1. 在全域性配置模式下輸入 config-register 0x2142命令。

```
<#root>
```

```
Router(config)#
```

```
config-register 0x2142
```

這會導致路由器在下一次重新載入時忽略啟動配置。如果再次運行show version，它將將 (下次重新載入時0x2142) 附加到當前配置暫存器 setting 中。

```
<#root>
```

```
Router#
```

```
show version
```

```
Cisco IOS Software, VG3X0 Software (VG3X0-UNIVERSALK9-M), Version 15.4(3)M3, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2015 by Cisco Systems, Inc.
Compiled Fri 05-Jun-15 17:29 by prod_re1_team
```

```
ROM: System Bootstrap, Version 15.4(3r)M1a, RELEASE SOFTWARE (fc1)
```

```
Router uptime is 1 day, 14 hours, 19 minutes
System returned to ROM by power-on
System image file is "flash0:vg3x0-universalk9-mz.SPA.154-3.M3.bin"
Last reload type: Normal Reload
Last reload reason: power-on
```

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Cisco VG320 (revision 1.0) with 1003520K/45056K bytes of memory.
Processor board ID FGL2023103U
2 Gigabit Ethernet interfaces
1 Virtual Private Network (VPN) Module
DRAM configuration is 32 bits wide with parity enabled.
255K bytes of non-volatile configuration memory.
255488K bytes of ATA System CompactFlash 0 (Read/Write)

License Info:

License UDI:

```
-----  
Device#   PID                SN  
-----  
*0        VG320              FGL2023103U
```

Technology Package License Information for Module:'vg3x0'

```
-----  
Technology   Technology-package   Type           Technology-package  
              Current                Next reboot  
-----  
ipbase       ipbasek9             None           ipbasek9  
security     securityk9           RightToUse     securityk9  
uc           None                 None           None  
data         datak9               RightToUse     datak9  
NtwkEss     None                 None           None  
CollabPro   None                 None           None
```

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

2. 在啟用模式下使用reload 指令重新載入路由器。系統提示時 `save` 不需要進 `save` 行配置。

<#root>

Router#

```
reload
```

```
System configuration has been modified. Save? [yes/no]:
```

```
n
```


```
Proceed with reload? [confirm]
```

路由器重新載入後，出現「System Configuration (系統配置)」對話方塊。

1. 輸入no回答以下問題：是否要進入初始配置對話方塊？
2. 使用config-register setting 0x2102 命令（在全域性配置模式下輸入一次）將配置暫存器更改回0x2102。
3. 在啟用模式下發出write memory命令，以使用目前執行的配置覆寫目前的啟動組態。
4. 在啟用模式下使用reload 指令重新載入路由器。
5. 路由器重新載入後，將出現「系統配置」對話方塊。

```
--- System Configuration Dialog ---  
Would you like to enter the initial configuration dialog? [yes/no]:
```

路由器現在已重置為原始出廠預設設定。

 注意：後續配置儲存在ROMMON中，而write erase and/orconfig-register 0x2142 命令無法將它們重置為出廠預設 settings 值。

- warm-reboot
- memory-size iomem <not default>

驗證

本節提供的資訊可用於驗證您的路由器是否已回覆為出廠預設值。

 注意：內部和錯誤資訊只能由註冊的思科客戶端訪問。

- show running-config — 使用此命令驗證路由器運行的先前配置是否已清除。輸出必須產生骨架配置。例如，必須在路由器的任何介面下不配置IP地址或說明，並且沒有特定於您的環境的主機名或設定。
- show version — 使用此命令驗證配置暫存器是否設定為預設值0x2102。

相關資訊

- [思科技術支援與下載](#)

關於此翻譯

思科已使用電腦和人工技術翻譯本文件，讓全世界的使用者能夠以自己的語言理解支援內容。請注意，即使是最佳機器翻譯，也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準確度概不負責，並建議一律查看原始英文文件（提供連結）。