

Cisco Security and Device Manager Configuration Change

PB408669

Effective May 11, 2007, all modular Cisco® 1841 Integrated Services Router platforms with 32-MB flash memory will ship with the following default configuration:

- Image name: IP Base and IP Broadband; in a few cases Advanced Security image is loaded onto base chassis with just 32-MB flash memory
- Cisco Router and Security Device Manager (SDM) Express Version 2.4 (in flash RAM)
- Cisco SDM Version 2.4 CD
- 32-MB flash RAM

Product numbers of the affected routers follow: CISCO1841, CISCO1841-T1, CISCO1841-ADSL2, CISCO1841-ADSL2-B, CISCO1841-ADSL, CISCO1841-ADSL-DG, CISCO1841-ADSLI, and CISCO1841-SHDSL-v3.

This change is needed to accommodate Cisco SDM and Cisco IOS® Software image enhancements, enabling new features and capabilities in the Cisco 1800 Series Routers.

For customers needing the full version of Cisco SDM to configure the integrated services router, a CD-based version is provided or Cisco SDM software can be downloaded onto the PC from Cisco.com, and can be run from a Windows-based PC.

Two scenarios are described in this product bulletin:

1. Upgrading Cisco 1800 Router software to Cisco IOS Software Release 12.4(11)T or later
2. Downloading and installing PC-based Cisco SDM when only Cisco SDM Express is embedded in the flash memory of the router

Scenario 1—Upgrading the Router

Customers who are upgrading to Cisco IOS Software Release 12.4(11)T and above and have the full version of Cisco SDM loaded on the flash memory need to complete two procedures:

1. Remove Cisco SDM from the router flash RAM in order to accommodate the new version of Cisco IOS Software prior to the software upgrade.
2. Download and install the new version of Cisco IOS Software.

Procedure 1—Remove Cisco SDM from Flash RAM

In order to remove Cisco SDM from flash memory, complete the following steps in EXEC mode:

1. Use the following command to verify that the file **sdm.tar** file is in flash RAM:

```
Router# show flash:
```

The result of this command should include the **sdm.tar** file if the full version of Cisco SDM is loaded on the flash memory.

If sdm.tar is present in flash RAM, go to step 2.

If the result of this command shows the following files, Cisco SDM Express is in the flash memory; skip step 2 and go to procedure 2 for the Cisco IOS Software upgrade.

- home.shtml
- sdmconfig-<Router series>.cfg
- home.tar
- es.tar
- common.tar
- wlanui.tar (this file is available only if WLAN application is available on the router)

2. If Cisco SDM (sdm.tar file) is present in the router flash RAM, then use the following command to remove the sdm.tar file:

```
Router#delete flash:sdm.tar
Delete filename [sdm.tar]?
Delete flash:sdm.tar? [confirm]
```

Press Return to confirm the deletion.

Procedure 2—Upgrade Cisco IOS Software

In order to upgrade the Cisco IOS Software image, complete the following steps:

1. Go to <http://www.cisco.com/kobayashi/sw-center/sw-ios.shtml> to download the Cisco IOS Software to your designated Trivial File Transfer Protocol (TFTP) server.
2. Verify that the router can communicate with the assigned TFTP server.
3. Log onto the router and enter the EXEC mode by entering the enable password and secret.
4. Use the following command to view the current Cisco IOS Software image name from router flash memory:

```
Router# show flash:
```

5. Use the delete command to remove the current Cisco IOS Software image stored in flash memory.

Please make sure step 2 is successful before attempting the image deletion.

```
Router#delete c1841-broadband-mz.124-9.T
Delete filename [c1841-broadband-mz.124-9.T]?
Delete flash:c1841-broadband-mz.124-9.T? [confirm]
```

Press Return to confirm the deletion.

6. Use the **copy tftp flash** command to download the new Cisco IOS Software image.

```
Router#copy tftp flash
Address or name of remote host []? 10.10.10.10
Source filename []?c1841-broadband-mz.124-11.T.bin
Destination filename [c1841-broadband-mz.124-11.T ]?
Accessing tftp://10.10.10.10/c1841-broadband-mz.124-11.T.bin...
```

7. Reload the router after a successful TFTP download for the new Cisco IOS Software image to take effect.

Scenario 2—Download and Install PC-Based Version of Cisco SDM

A PC-based version of Cisco SDM can be used to configure routers when Cisco SDM Express is loaded into the router flash RAM.

Confirm Cisco SDM Express resides on the router flash memory by using the following command:

```
Router# show flash:
```

If the result of this command shows the following files, Cisco SDM Express is in the flash memory:

- home.shtml
- sdmconfig-<Router series>.cfg
- home.tar
- es.tar
- common.tar
- wlanui.tar (this file is available only if WLAN application is available on the router)

Cisco SDM is available either as a CD packaged with the router, or it can be downloaded from

<http://www.cisco.com/cgi-bin/tablebuild.pl/sdm>.

Please refer to the Cisco Router and SDM Quick Start Guide for detailed instructions for installing and running Cisco SDM; it is available at

http://www.cisco.com/en/US/products/sw/secursw/ps5318/products_quick_start09186a0080511c89.html.

Ordering Information

Table 1 gives ordering information for the Cisco 1841 Integrated Services Routers.

Table 1. Ordering Information for Cisco 1841 Integrated Services Routers

Product Number	Product Description	Price
CISCO1841	Modular Router w/2xFE, 2 WAN slots, 32 FL/128 DR	USD 1,395.00
CISCO1841-T1	1841 bundle w/WIC-1DSU-T1-V2, IP Base, 32FL/128DR	USD 2,395.00
CISCO1841-ADSL2	1841 bundle, HWIC-1ADSL, IP BB, 32F/128D	USD 1,695.00
CISCO1841-ADSL2-B	1841 bundle,HWIC-ADSL-B/ST,IP BB,32F/128D	USD 2,195.00
CISCO1841-ADSL	1841 ADSLoPOTS Bdle,IP Broadband,32FL/128DR	USD 1,695.00
CISCO1841-ADSL-DG	1841 ADSLoPOTS w/dying gasp Bdle,IP Broadband,32FL/128DR	USD 1,695.00
CISCO1841-ADSLI	1841 ADSLoISDN Bdle,IP Broadband, 32FL/128DR	USD 1,695.00
CISCO1841-SHDSL-V3	1841 bundle, WIC-1SHDSL-V3, IPBB, 32F/128D	USD 1,895.00

For More Information

For more information about the Cisco 1800 Series Routers, visit <http://www.cisco.com/go/1800>.

For more information about the Cisco 1841 Routers, visit <http://www.cisco.com/en/US/products/ps5875/index.html>.

The Cisco 1841 data sheet is available at

http://www.cisco.com/en/US/prod/collateral/routers/ps5853/product_data_sheet0900aecd8016a59b.html.



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