Switching Between Cisco Security Device Manager (SDM) and Cisco Router Web Setup Tool (CRWS) on Cisco 83x Series Routers

6/16/03

This document contains instructions on switching between Cisco Security Device Manager (SDM) version 1.0 and Cisco Router Web Setup Tool (CRWS) on the Cisco 831, 836, and 837 routers. SDM is a new, easy-to-use, browser-based software tool designed for configuring LAN, WAN, and security features on a router. Cisco 831, 836, and 837 routers manufactured after the date that SDM became available will have both SDM and CRWS pre-installed. The CRWS image will be stored in web Flash memory and the SDM image will be stored in Flash memory.

Although both device managers—CRWS and SDM—come preinstalled, only one of these two applications can be active at a time. CRWS will be the active device manager by default, but SDM can be specified to be the active device manager when the router order is placed.

This document describes how to switch between SDM and CRWS on Cisco 83x routers, making the inactive application the active device manager on the router.

Note The switch-over procedures in this document will replace the current router configuration file with a new configuration file for the new device manager. Therefore, it is recommended that you save a copy of your existing router configuration file before performing either of the switch-over procedures.

This document contains the following sections:

Corporate Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

Verifying That Valid Images Are Present

Before performing either of the switch-over procedures, ensure that valid images for both CRWS and SDM are present in the router Flash memory:

Step 1 Access the router command-line interface (CLI), using either Telnet or the console connection.

Step 2 To verify that a valid CRWS image is present, issue the following CLI command:

```
Router# show webflash:
```

If a valid CRWS image is present, you will see output resembling the following:

```
webflash directory:
File  Length   Name/status
  1   986      ConfigExp.cfg
  2   725005   CRWS_1.jar
  3   341151   CRWS_2.jar
  4   45924    GUI.html
  5   4572     home.html
  6   8082     loading.gif
  7   3463     VPNLogin.html
  8   61400    CRWS_VPNLogin.jar
  9   285708   CRWSbHlp.html
[1476876 bytes used, 358132 available, 1835008 total]
2048K bytes of processor board Web flash (Read/Write)
```

Note On Cisco 836 and 837 routers, the file **IPCPSubnet.cfg** will also appear in the **show webflash:** output if CRWS is installed on the router.

Step 3 To verify that a valid SDM image is present, issue the following CLI command:

```
Router# show flash:
```

If a valid SDM image is present, you will see output resembling the following:

```
System flash directory:
File  Length   Name/status
  1   5148536  c831-k9o3y6-mz.122-13.ZH1.bin
  2   14617    sdm.shtml
  3   669      sdmconfig-83x.cfg
  4   2290688  sdm.tar
  5   14617    sdm.shtml.hide
[7469456 bytes used, 17434224 available, 24903680 total]
24576K bytes of processor board System flash (Read/Write)
```

Note On a router that has both SDM and CRWS installed, the file **sdm.shtml**, shown in the example above, will not appear in the **show flash:** output.

Step 4 To determine the Cisco IOS version running on the router, issue the following CLI command:

```
Router# show version
```

You will see output resembling the following:

```
Cisco Internetwork Operating System Software IOS (tm) C836 Software (C836-K9O3SY6-M),
Version 12.2(13)ZH1, EARLY DEPLOYMENT RELEASE SOFTWARE (fc1) Synched to technology version
12.2(14.5)T
```

Should either application be missing or invalid, you must download a new copy of the application if you want to use it as the device manager on your router. SDM is available for download at the URL http://www.cisco.com/cgi-bin/tablebuild.pl/sdm. CRWS is available for download at the URL http://www.cisco.com/pcgi-bin/tablebuild.pl/crws. If both applications are present and valid, refer to the appropriate section later in this document for instructions on how to set each application as the default device manager.

If you need to upgrade the Cisco IOS version on your router, follow the instructions in "Downloading and Installing Cisco Security Device Manager (SDM) Version 1.0." To obtain this document, visit the following URL:

www.cisco.com/go/sdm

Switching from CRWS to SDM

Follow these steps when the default device manager on your Cisco 83x router is CRWS and you want to switch to SDM

Note

- After these steps have been performed, CRWS will no longer be accessible.
- SDM only supports Cisco IOS images of version 12.2(13)ZH or later.

Step 1 To convert to SDM, the startup configuration file must be changed and two URLs must be instantiated to support browser access to SDM. To do so, enter the following CLI commands:

```
Router# copy sdmconfig-83x.cfg start
Router# copy sdm.shtml.hide nvram:sdm.shtml
Router# copy nvram:sdm.shtml flash:sdm.shtml
Router# copy nvram:sdm.shtml flash:home.html
Router# delete nvram:sdm.shtml
Router# reload
```

Step 2 SDM will now launch from a PC when you enter either of the following URLs into a web browser:

http://*<Router_IP_Address>*

or

http://*<Router_IP_Address>***/flash/sdm.shtml**

Switching from SDM to CRWS

Follow these steps when the default device manager on your Cisco 83x router is SDM and you want to switch to CRWS.

Note After these steps have been performed, SDM will no longer be accessible through the defined URLs.

Step 1 To convert to CRWS, the CRWS startup config must be loaded and the SDM URLs must be removed. To do so, enter the following CLI commands:

```
Router# copy webflash:ConfigExp.cfg start
Router# del flash:home.html
Router# del flash:sdm.shtml
Router# reload
```

Step 2 CRWS will now launch from a PC when you enter the following URL into a web browser:

http://*<Router_IP_Address>*

Related Documentation

The following documents are available at the URL http://www.cisco.com/go/sdm.

- "Cisco Security Device Manager User's Guide"
- "Cisco Security Device Manager Version 1.0 Release Notes"
- "Cisco Security Device Manager FAQ"
- "Downloading and Installing Cisco Security Device Manager (SDM) Version 1.0"

This document is to be used in conjunction with the documents listed in the "Related Documentation" section.