



Release Notes for Cisco Configuration Professional Express 1.0

May 19, 2008

These release notes support Cisco Configuration Professional Express (Cisco CP Express) 1.0. They should be used with the documents listed in the “[Related Documentation](#)” section on [page 15](#) and in particular, the Release Notes for Cisco Configuration Professional.

These release notes are updated as needed. To ensure that you have the latest version of these release notes, go to <http://www.cisco.com/go/ciscocp>. In the Support box, click **General Information > Release Notes**. Then, find the latest release notes for your release.

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Introduction

Cisco CP Express is a graphical configuration tool that enables a user to configure a LAN and WAN connection, make security settings to protect the router, and, configure a basic firewall, and Network Address Translation. Cisco CP Express is installed in Flash memory on routers shipped with Cisco Configuration Professional (Cisco CP).



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System Requirements

This sections describes PC and router system requirements. It contains the following parts:

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PC System Requirements

Cisco CP Express can run under the native Java Virtual Machine in the supported browsers, and also JRE.

[Table 1](#) lists the system requirements for a PC running Cisco CP Express including Web browser versions and Java runtime environment versions.

Table 1 *PC System Requirements*

System Component	Requirement
Operating System	Any of the following: • Microsoft Windows Vista Business Edition. Microsoft recommends this operating system be installed in administrator mode. • Microsoft Windows Vista Ultimate Edition. Microsoft recommends this operating system be installed in administrator mode. • Microsoft Windows XP with Service Pack 2
Browser	Cisco CP Express can be used with the following browsers: • Firefox 1.0.6 and later versions • Internet Explorer 5.5 and later versions • Netscape 7.1, 7.2, and 9.0
Screen Resolution	1024 X 768
Java Runtime Environment	Cisco CP Express can run under the native Java Virtual Machine in the supported browsers, and also under the Java Runtime Environment.

Router System Requirements

- [Supported Routers, page 2](#)
- [Supported Adapters, Cards and Network Modules, page 4](#)
- [Cisco IOS Releases, page 6](#)

Supported Routers

This section lists the routers that Cisco CP Express supports, by series.



Cisco CP Express does not support Telco/CO router models.

Cisco 800 Series

Cisco CP Express is supported on the following Cisco 800 series routers:

- Cisco 815
- Cisco 861
- Cisco 881
- Cisco 888

Cisco 1800 Series

Cisco CP Express is supported on the following Cisco 1800 series routers:

- Cisco 1801
- Cisco 1801W
- Cisco 1801W-M
- Cisco 1801M
- Cisco 1802
- Cisco 1802W
- Cisco 1803
- Cisco 1803W
- Cisco 1805
- Cisco 1811
- Cisco 1811W
- Cisco 1812
- Cisco 1812W
- Cisco1812J
- Cisco 1812W-J
- Cisco 1812W-P
- Cisco 1841
- Cisco 1861

Cisco 2800 Series

Cisco CP Express is supported on the following 2800 series routers:

- Cisco 2801
- Cisco 2811
- Cisco 2821
- Cisco 2851

Cisco 3800 Series

Cisco CP Express is supported on the following Cisco 3800 series routers:

- Cisco 3825
- Cisco 3845

Supported Adapters, Cards and Network Modules

This section contains support information about adapters, cards, and network modules

Network Modules

Cisco CP Express supports the following network modules:

- NM-4T
- NM-1FE2W-V2
- NM-1FE-FX-V2
- NM-2FE2W-V2
- NM-1FE-FX
- NM-4A/S (synchronous only)
- NM-8A/S (synchronous only)
- NM-CIDS-K9
- NM-16ESW
- NM-16ESW-1GIG
- NM-16ESW-PWR
- NM-16ESW-PWR-1GIG
- NMD-36ESW-PWR
- NMD-36ESW-PWR-2GIG

Cisco CP Express supports the following EtherSwitch Service Network Modules:

- NME-16ES-1G-P
- NME-X-23ES-1G-P
- NME-XD-24ES-1S-P
- NME-XD-48ES-2S-P

WAAS Modules

Cisco CP Express supports the following Wide Area Application Services (WAAS) modules:

- NME-WAE-502-K9
- NME-WAE-522-K9
- NME-WAE-302-K9

WAN Interface Cards

Cisco CP Express supports the following WAN interface cards:

- WIC-1T

- WIC-2T
- WIC-2A/S (Frame Relay, PPP, HDLC, no asynchronous)
- WIC-1ADSL
- WIC-1SHDSL
- WIC-1DSU-T1-V2
- WIC-1B-S/T-V3
- WIC-1AM
- WIC-2AM
- WIC-4ESW
- WIC-1SHDSL-V2
- WIC-1SHDSL-V3
- WIC 1ADSL-DG
- WIC 1ADSL-I-DG

Cisco CP Express supports the following high-speed WAN interface cards (HWICs):

- HWIC-4T
- HWIC-4A/S
- HWIC-4ESW
- HWIC-8A/S-232
- HWICD-9ESW
- HWIC-16A
- HWIC-AP-G-X
- HWIC-AP-AG-X
- HWIC-ADSL-B/ST
- HWIC-ADSLI-B/ST
- HWIC-1ADSL
- HWIC-1ADSLI
- HWIC1-ADSL-M
- HWIC-1CABLE-D
- HWIC-1CABLE-E/J
- HWIC-1FE
- HWIC-2FE
- HWIC-2SHDSL
- HWIC-4SHDSL

AIM Modules

Cisco CP Express supports the following advanced integration modules (AIMs):

- AIM-VPN/BPII-PLUS
- AIM-VPN/HPPII-PLUS

- AIM-VPN/EPII-PLUS
- AIM-VPN/SSL-1
- AIM-VPN/SSL-2
- AIM-VPN/SSL-3

Cisco IOS Releases

Cisco CP Express is compatible with the Cisco IOS releases listed in [Table 2](#).

Table 2 *Cisco CP Express-Supported Routers and Cisco IOS Versions*

Router Model	Earliest Cisco CP Express-Supported Cisco IOS Versions
Cisco 815	• 12.4(11)T
Cisco 860 series Cisco 880 series	• 12.4(15)XZ
Cisco 1801 Cisco 1802 Cisco 1803	• 12.4(9)T • 12.5(1)M
Cisco 1805	• 12.4(15)XY
Cisco 1811 Cisco 1812	• 12.4(9)T • 12.5(1)M
Cisco 1841	• 12.4(9)T • 12.5(1)M
Cisco 1861	• 12.4(11)XW
Cisco 2800	• 12.4(9)T • 12.5(1)M
Cisco 3800	• 12.4(9)T • 12.5(1)M

Determining the Cisco IOS Release

To determine the release of Cisco IOS software currently running on your Cisco router, log in to the router and enter the **show version EXEC** command. The following sample output from the **show version** command indicates the Cisco IOS release on the second output line:

```
Router> show version
c3845-1#show version
Cisco IOS Software, 3800 Software (C3845-ADVENTERPRISEK9-M), Version 12.4(11)XW2, RELEASE
SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2007 by Cisco Systems, Inc.
Compiled Tue 03-Jul-07 00:49 by prod_rel_team
```

Memory Requirements

[Table 3](#) shows how much memory is required to support Cisco CP Express and related applications.

Table 3 Cisco CP Express File List

Filename	Size	Description
cpexpress.tar	2.17 MB (2,281,472 bytes)	Cisco CP Express application file
home.shtml	1.01 KB (1,038 bytes)	Cisco CP Express support file
home.tar	110 KB	Cisco CP Express support file
cpconfig-modelnum. For example: cpconfig-180x.cfg	2.82 to 3.33 KB	Default Configuration File
securedesktop-ios-3.1.1.45-k9.pkg	1.61 MB (1,697, 952 bytes)	Cisco Secure Desktop client software for SSL VPN clients.
sslclient-win-1.1.4.176.pkg	406 KB (415,956 bytes)	Full tunnel client software for SSL VPN clients
wlanui.tar	2.13 MB (2, 242, 560 bytes)	Wireless Application
128MB.sdf	515 KB (527, 849 bytes)	Signature Definition File (SDF) used by Cisco IOS IPS
256MB.sdf	775 KB (793, 739 bytes)	Signature Definition File (SDF) used by Cisco IOS IPS

Cisco CP Ordering Options

Cisco CP Express is shipped with every ordering option under which Cisco CP can be ordered. [Table 4 on page 7](#) describes the Cisco CP ordering option. Ordering options are also referred to as SKUs.

Table 4 Cisco CP Ordering Options

Ordering Option (SKU)	Description
CCP-CD	Cisco CP: Shipped on CD Cisco CP Express: Shipped in router flash memory SSL Signature File: Shipped in router flash memory Default Configuration File: Shipped in router flash memory and in NVRAM
CCP-CD-NOCF	Cisco CP: Shipped on CD Cisco CP Express: Shipped in router flash memory SSL Signature File: Shipped in router flash memory Default Configuration File: Shipped in router flash memory.
	 Note This ordering option does not provide the default configuration file for Cisco 800 series routers.

Table 4 Cisco CP Ordering Options

Ordering Option (SKU)	Description
CCP-EXPRESS	Cisco CP: Not shipped Cisco CP Express: Shipped in router flash memory SSL Signature File: Shipped in router flash memory Default Configuration File: Shipped in router flash memory and in NVRAM
CCP-EXPRESS-NOCF	Cisco CP: Not shipped Cisco CP Express: Shipped in router flash memory SSL Signature File: Shipped in router flash memory Default Configuration File: Shipped in router flash memory.
	 Note This ordering option does not provide the default configuration file for Cisco 800 series routers.

Installation Notes

This section contains important information regarding installation of Cisco CP Express.

Downloading Cisco CP Express From Cisco.com and Installing It On the Router

If Cisco CP Express is not currently installed on the router, and you want to install it, complete the following steps:

- Step 1** Go to <http://www.cisco.com/go/ciscocp>, and click **Download Software** in the Support box.
- Step 2** If a login page appears, enter your login credentials. In the Software Download page, click **Cisco Configuration Professional**.
- Step 3** In the next download page that appears, click the release number that you want to download.
- Step 4** Click on the Cisco Configuration Professional package link. The zip file contains the Cisco CP, and Cisco CP Express installation files.

Uninstalling Cisco CP Express Files

If you want to remove Cisco CP Express from flash memory or from a router disk file system, you can do so by logging onto the router and completing the following steps in EXEC mode:

- Step 1** Change to the directory in which the Cisco CP Express files are located.
If the router has a flash file system, use the following command:

```
router# cd flash:
```

If the router has a disk file system, use the following command:

```
router# cd diskN
```

Replace *N* with the actual number of the disk. Use the **slot** keyword instead of the **disk** keyword if necessary.

- Step 2** Use the **delete** command to remove the Cisco CP Express files. The example below deletes the file `cpexpress.tar`:

```
router# delete cpexpress.tar
Delete filename [cpexpress.tar]?
Delete flash:cpexpress.tar? [confirm]
```

Press **Return** to confirm the deletion.

- Step 3** Use the **delete** command to remove the remaining Cisco CP Express files.

- Step 4** Reclaim memory space by using the **squeeze flash:** command:

```
router# squeeze flash:
```

It is not necessary to use the **squeeze flash:** command on DOS-based file systems.

Limitations and Restrictions

This section describes the following restrictions and limitations that may apply to Cisco CP Express:

- [Cisco CP Express Does Not Support Cisco 7000 Series Routers](#), page 9

Cisco CP Express Does Not Support Cisco 7000 Series Routers

Cisco CP Express does not support the Cisco 7204VXR, Cisco 7206VXR, and Cisco 7301 Routers and is not shipped with those routers.

Important Notes

This section contains important information for Cisco CP Express. It contains the following sections:

- [Cisco IOS Enforces One-Time Use of Default Credentials](#)
- [Cisco CP Express May Not Operate with Custom Configuration File](#)
- [Popup Blockers Disable Cisco CP Express Online Help](#)
- [Disable Proxy Settings](#)
- [Security Alert Dialog May Remain After Cisco CP Express Launches](#)

Cisco IOS Enforces One-Time Use of Default Credentials

To address CSCsm25466, Cisco IOS images included with recent shipments of Cisco 800, Cisco 1800, Cisco 2800, and Cisco 3800 routers, enforce the one-time use of the default username and password provided in the default configuration file shipped with Cisco CP Express and Cisco CP. If you bypass

Cisco CP Express and use a console or Telnet connection to log into the router, the login and exec banners warn you that you must change the username “cisco” and password “cisco” before you log off of the router. If you do not change the credentials as directed, you will not be able to log on to the router the next time that you attempt to do so.

The following Cisco IOS releases enforce the one-time use of the default credentials:

- 12.4(11)T or later
- 12.4(11)SW, 12.4(11)SW1, 12.4(11)XV, 12.4(11)XJ
- 12.4(9)T5, 12.4(9)T6
- 12.3(21), 12.3(22)

Follow the procedure in this section to secure the router by creating a new username and password, to remove the login banner and exec banner warnings, and to save the configuration changes to the router startup configuration.



Note

If you login to the router using a Telnet or a console connection but do not complete the steps in this procedure, be aware of the following:

- If you do not change the default username and password, and then log off the router, you will not be able to log into the router again without entering the **reload** command. No additional warning is given before you log off.
- If you do not change the default username and password, but do enter the **write memory** command before ending the session, future logins will be disabled. In this case, you will need to follow the password recovery procedure at the following link:

http://www.cisco.com/en/US/products/sw/iosswrel/ps1831/products_tech_note09186a00801746e6.shtml

To secure the router, remove the banner warnings and save the changes to the router startup config, complete the following steps:

- Step 1** Connect the light blue console cable, included with your router, from the blue console port on your router to a serial port on your PC. Refer to your router’s hardware installation guide for instructions.
- Step 2** Connect the power supply to your router, plug the power supply into a power outlet, and turn on your router. Refer to your router’s quick start guide for instructions.
- Step 3** Use HyperTerminal or a similar terminal emulation program on your PC, with the terminal emulation settings of 9600 baud, 8 data bits, no parity, 1 stop bit, and no flow control, to connect to your router.
- Step 4** When prompted, enter the username **cisco**, and password **cisco**.
- Step 5** Enter configuration mode by entering the following command:

```
yourname# configure terminal
```
- Step 6** Create a new username and password by entering the following command:

```
yourname(config)# username username privilege 15 secret 0 password
```

Replace *username* and *password* with the username and password that you want to use.
- Step 7** Remove the default username and password by entering the following command:

```
yourname(config)# no username cisco
```

Step 8 To remove the login banner, enter the following command:

```
yourname(config)# no banner login
```

The login banner warning will no longer appear.

Step 9 To remove the exec banner, enter the following command:

```
yourname(config)# no banner exec
```

The exec banner warning will no longer appear.

Step 10 Leave configuration mode, by entering the following command:

```
yourname(config)# end
```

Step 11 Copy the configuration changes to the startup configuration by entering the following command:

```
yourname# copy running-config startup-config
```

When logging into the router in the future, use the username and password that you created in [Step 6](#).

Cisco CP Express May Not Operate with Custom Configuration File

If you load a custom configuration file on the router using Cisco CP Express or any other process, you may remove Command Line Interface (CLI) commands that Cisco CP Express operation requires and prevent it from operating. Cisco CP requires the following basic configuration in order to connect to the router and manage it.

- An http or https server must be enabled with local authentication.
- A local user account with privilege level 15 and accompanying password must be configured.
- Vty line with protocol ssh/telnet must be enabled with local authentication. This is needed for interactive commands.
- An http timeout policy must be configured with the parameters shown in the following example to avoid a known launch issue with Cisco CP Express.
- The PC on which Cisco CP Express is to run and the interface through which Cisco CP Express will be launched must be configured with IP addresses from the same subnet.

The following example shows a configuration that contains the CLI commands Cisco CP Express requires in order to operate.

```
hostname yourname
!
logging buffered 51200 warnings
!
username fish privilege 15 secret 0 salmon
!
ip domain-name yourdomain.com
!
interface FastEthernet0
description $ETH-LAN$$ETH-SW-LAUNCH$$INTF-INFO-10/100 Ethernet$
ip address 10.10.10.1 255.255.255.248
description PC must be on the same subnet as this interface
no shutdown
!
ip http server
ip http secure-server
```

```

ip http authentication local
ip http timeout-policy idle 60 life 86400 requests 10000
!
line vty 0 4
privilege level 15
login local
transport input telnet
transport input telnet ssh
line vty 5 15
privilege level 15
login local
transport input telnet
transport input telnet ssh

```

Popup Blockers Disable Cisco CP Express Online Help

If you have enabled popup blockers in the browser you use to run Cisco CP Express, online help will not appear when you click the help button. To prevent this from happening, you must disable the popup blocker when you run Cisco CP Express. Popup blockers may be enabled in search engine toolbars, or may be standalone applications integrated with the web browser.

Microsoft Windows XP with Service Pack 2 blocks popups by default. In order to turn off popup blocking in Internet Explorer, go to **Tools > Pop-up Blocker > Turn Off Pop-up Blocker**.

If you have not installed and enabled third-party pop up blockers, go to **Tools > Internet Options > Privacy**, and uncheck the **Block popups** checkbox.

In Firefox 1.5 and later versions, click **Tools > Options > Content**. Uncheck **Block pop-up windows**.

Disable Proxy Settings

Cisco CP Express will not start when run under Internet Explorer with proxy settings enabled. To correct this problem, choose **Internet Options** from the Tools menu, click the **Connections** tab, and then click the **LAN settings** button. In the LAN Settings window, disable the proxy settings.

Security Alert Dialog May Remain After Cisco CP Express Launches

When Cisco CP Express is launched using HTTPS, a security alert dialog box that informs you of possible security problems and asks you if you want to proceed with program launch may appear. This can happen if the router does not have the following global configuration command in the running configuration:

```
ip http timeout-policy idle 600 life 86400 requests 10000
```

Caveats

Caveats describe unexpected behavior in Cisco CP Express. Severity 1 caveats are the most serious caveats, severity 2 caveats are less serious, and severity 3 caveats are the least serious of these three severity levels.

Open Caveats—Cisco CP Express 1.0

This section lists caveats that are open in Cisco CP Express 1.0.

- CSCsq31188

Cisco CP Express cannot be installed using a PC running Microsoft Windows XP with Service Pack (SP) 3.

Workaround: Cisco CP Express can be installed using a PC running Microsoft Windows XP with SP2, and Microsoft Windows Vista.

- CSCsk51555

This caveat is caused by Cisco IOS caveat CSCsl42697. When configuring a radio interface using the Cisco CP Wireless application, QoS access commands such as max-contention and min-contention window settings are not delivered to the router.

- CSCsk78581

When Cisco CP Express is invoked using HTTPS on a router running Cisco IOS version 12.4(17), the router crashes.

Workaround: Invoke Cisco CP Express using HTTP, as in the following example:

```
http://10.10.10.1
```

- CSCsd33430

Cisco CP Express browser windows do not close if the Secure Device Provisioning application is launched from Cisco CP Express. If you choose Secure Device Provision in the Router Provisioning screen, the SDP application is launched after you complete the Cisco CP Express wizard and deliver the commands to the router. After the commands are delivered, Cisco CP Express closes, but the two browser windows associated with Cisco CP Express do not close automatically. This behavior has been observed in all browsers.

Workaround: Close these windows manually. However, note that closing these windows manually also closes the Cisco CP Express application. Therefore, do not close these windows until you have completed configuring the router using the SDP application.

- CSCej01054

The SDM_HIGH security policy may not block Instant Messaging (IM) applications. The application security feature blocks IM applications using the **server deny name** command. New servers may become available, and if they do, IM applications may connect to them.

Workaround: Complete the following steps:

- Turn on firewall logging for IM applications. The names of the servers that the IM applications connect to will be revealed in the log.
- Use the CLI to block the new servers. The following example uses the server *newserver.yahoo.com*:

```
router# config t
router(config)# appfw policy-name SDM_HIGH
router(cfg-appfw-policy)# application im yahoo
router(cfg-appfw-policy-ymgr)# server deny name newserver.yahoo.com
router(cfg-appfw-policy-ymgr)# end
router#
```

**Note**

- IM applications are able to communicate over nonnative protocol ports, such as HTTP, and through their native TCP and UDP ports. Cisco CP configures block and permit actions based on the native port for the application, and always blocks communication conducted over HTTP ports.
- Some IM applications, such as MSN Messenger 7.0, use HTTP ports by default. To permit these applications, configure the IM application to use its native port.

- CSCef53222

Cisco CP Express filenames are case sensitive. If the Cisco CP Express files are copied from the PC hard disk to a flash card, File Explorer changes the names to uppercase. When this happens, Cisco CP Express cannot be invoked from this flash card.

Workaround: Before removing the flash card from the PC, restore the filenames to lowercase.

- CSCec31789

When you update Cisco CP Express, if any of the uploaded files shows a size of zero bytes when **show flash** is invoked, no operations such as copy or delete can be performed on flash memory. This problem rarely occurs.

Workaround: Restart the router to be able to perform operations on flash memory. If files of zero bytes are shown in a **show flash** display, restart the router before starting Cisco CP Express.

- CSCea89054

If you delete a WAN connection that you created, an **ip nat inside** command may still remain in a LAN interface configuration.

Workaround: To delete the **ip nat inside** command from the LAN interface configuration, go to Edit Interfaces and Connections, choose the LAN interface, click Edit, and delete the association in the Association tab.

- CSCin48956

When the router is configured to use PPPoE, users may not be able to download a file using FTP or display web pages from Internet hosts that they are able to ping or access using telnet. This can happen if Cisco CP Express is being used on a router with interfaces that Cisco CP Express does not support, such as Token Ring or VLAN interfaces. Cisco CP Express does not deliver the command **ip tcp adjust-mss 1452** to unsupported interfaces.

Workaround: Use the CLI to add the **ip tcp adjust-mss 1452** command to the VLAN or Token Ring interface configuration. Use Telnet to access the router and enter the following command in VLAN or Token Ring interface configuration mode:

```
Router# ip tcp adjust-mss 1452
```

- CSCeh06870

The Cisco CP Express Update from PC feature will not operate when the CCP-Vnn.zip file is placed in a shared folder with read-only access.

Workaround: Do not place the CCP-Vnn.zip file in a folder with read-only access.

- CSCsl67834

In Edit mode, Cisco CP Express displays an exception in the Java console after the user changes the default factory username and password when launched with JRE plug-in versions 1.6.0, 1.6.0_01, 1.6.0_02, 1.6.0_03, 1.6.0_04 and 1.6.0_05. An IO exception popup screen is displayed as well.

Workaround: Relaunch the application with new username and password or use JRE plug-in version 1.5.0, 1.5.0_10 or 1.5.0_11.

- CSCsm00417

When Cisco CP Express is run in Edit mode, the Cisco IOS image name may not display completely in the Cisco CP Express home page or in the Router Hardware/Software Details screen.

- CSCsm48131

When installing Cisco CP Express, if you cancel setup and then immediately click setup.exe again, the setup program displays a message that says a previous instance of the setup program is already running.

Workaround: Wait for 15 to 20 seconds before attempting setup again.

- CSCsm92278

When using the Reset To Factory Defaults Cisco CP Express feature on a router equipped with an Access Point (AP) module, the factory default configuration is restored to the router, but no change is made to the AP module configuration.

Workaround: You must manually reboot the Access Point.

- CSCsm92310

On a router with an installed AP module, if Authentication, Authorization, and Accounting (AAA) is enabled on both the router and the installed AP module, Cisco CP Express will require you to enter login credentials twice: once for the router, and once for the AP module.

Workaround: Enter the router login credentials first, and then enter the AP login credentials.

Related Documentation

This section lists other documents with information on Cisco CP Express.

- Platform-Specific Documents—See the quick start guide for the router, available on <http://www.cisco.com>, to learn how to set up the router hardware connections.
- Software Documents—These documents are available on <http://www.cisco.com/go/ciscoexp>.



Note

For information on obtaining documentation and technical assistance, product security, and additional information, see [What's New](#), which also lists new and revised documents each month.

This document is to be used in conjunction with the documents listed in the “[Related Documentation](#)” section.

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