Cisco Configuration Professional Quick Start Guide

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This document explains how to start using Cisco Configuration Professional Express (Cisco CP Express) and Cisco Configuration Professional (Cisco CP). Cisco CP Express is a graphical configuration tool that allows you configure a LAN and WAN connection on a router, and to secure the router and the LAN. It is installed in router Flash memory. Cisco CP is a full-featured device management tool that allows you to configure, monitor, and troubleshoot Cisco IOS security features and network connections. It is installed on a PC. This document shows you how to set up a PC to connect to the router, give the router an initial network configuration using Cisco CP Express, and then begin using Cisco CP.

This document is intended for users who have ordered the SKUs listed in Table 1, and for users who download these configuration tools from Cisco.com. Refer to the *Release Notes for Cisco Configuration Professional* for information about supported routers, web browsers and plug-ins.

Cisco CP SKUs are provided to suit a variety of deployments. Table 1 describes the Cisco CP SKUs, the deployment each supports, and how this document can be used.

Table 1   Cisco CP SKUs

SKU	Deployment	Which Task Sections You Can Use
CCP-CD Configuration File in: NVRAM? Yes Flash? Yes Cisco CP CD? Yes	Use Cisco CP Express to set up an individual router when you receive it, and to install and begin using Cisco CP.	You can use the following task sections of this document: • Task 2: Install Interface Cards, and Cable the Router, page 3 • Task 4: Configure the IP Address On the PC, page 6 • Task 5: Connect the PC To the Router, page 8 • Task 6: Run the Cisco CP Express Wizard, page 10 • Task 7: Verify the Initial Configuration, page 13 • Task 8: Install Cisco CP, page 15 • Task 9: Start Using Cisco CP, page 17

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Table 1   *Cisco CP SKUs (continued)*

SKU	Deployment	Which Task Sections You Can Use
CCP-CD-NOCF Configuration File in: NVRAM? No Router Flash? Yes Cisco CP CD? Yes	This SKU gives you the flexibility of loading a configuration on the router by using a TFTP server or by other means, and allows for batch configuration. If you start a console session, the Setup Command Facility starts automatically. Cisco CP is shipped with the router.	You can use the following task sections of this document: • Task 2: Install Interface Cards, and Cable the Router, page 3 • Task 3: Configure the Router for Cisco CP, page 3 • Task 8: Install Cisco CP, page 15 • Task 9: Start Using Cisco CP, page 17
CCP-EXPRESS Configuration File in: NVRAM? Yes Router Flash? Yes Cisco CP CD? No	Use Cisco CP Express to set up an individual router when you receive it. If you want Cisco CP, you can download it from www.cisco.com.	You can use the following task sections of this document: • Task 1: Download The Cisco CP Files, page 2 • Task 2: Install Interface Cards, and Cable the Router, page 3 • Task 4: Configure the IP Address On the PC, page 6 • Task 5: Connect the PC To the Router, page 8 • Task 6: Run the Cisco CP Express Wizard, page 10 • Task 7: Verify the Initial Configuration, page 13 • Task 8: Install Cisco CP, page 15 • Task 9: Start Using Cisco CP, page 17
CCP-EXPRESS-NOCF Configuration File in: NVRAM? No Router Flash? Yes Cisco CP CD? No	This SKU gives you the flexibility of loading a configuration on the router by using a TFTP server or by other means, and allows for batch configuration. If you start a console session, the Setup Command Facility starts automatically. Cisco CP is not shipped with the router.	You can use the following task sections of this document: • Task 1: Download The Cisco CP Files, page 2 • Task 2: Install Interface Cards, and Cable the Router, page 3 • Task 3: Configure the Router for Cisco CP, page 3 • Task 8: Install Cisco CP, page 15 • Task 9: Start Using Cisco CP, page 17

Task 1: Download The Cisco CP Files

This task section explains how to download the Cisco CP files. See the following table to determine if you need to use this section.

Who Should Use this Section   If you did not receive the CD, but you want to install and use Cisco CP, use this section.

Who Can Skip this Section   If you received the CD, skip this section, and go to Task 2: Install Interface Cards, and Cable the Router.

To download Cisco CP, complete the following tasks:

Step 1   Open a web browser and go to the following link:

http://www.cisco.com/go/ciscocp

Step 2   In the Support box, click **Download Software**.

Step 3   In the web pages displayed, answer the prompts to go to the download page.

Step 4   Click the XXXXXX link to download Cisco CP Express, Cisco CP, and related documentation.

Step 5   Save the downloaded file to the PC.

Task 2: Install Interface Cards, and Cable the Router

This section advises you to follow the instructions in the setup guide for your router, before proceeding.

Who Should Use this Section   If you are setting up a new router, use this section.

Who Can Skip this Section   If you are installing Cisco CP to manage a router that is already in use, you can skip this section.

Before Cisco CP Express can be used, you must install all the necessary hardware accessories that are applicable to your router, such as WAN interface cards (WICs), network modules (NMs), or advanced interface module (AIM) cards that you will use to connect to the network. Refer to the quick start guide or hardware installation guide for your router for instructions on installing these interface cards, cabling the router, and verifying that all the connections are working properly.

Task 3: Configure the Router for Cisco CP

This task section explains how to configure the router to support Cisco CP Express and Cisco CP.

Who Should Use this Section   If your SKU does not include a configuration file in NVRAM, and you want to use Cisco CP Express or Cisco CP, use this section.

Who Can Skip this Section   If your SKU includes a configuration file in NVRAM, you can skip this section. The router is configured to support Cisco CP Express and Cisco CP.

Cisco CP Express and Cisco CP require 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 procedure to avoid a known launch issue with Cisco CP.

- The PC on which Cisco CP is to run and the interface through which Cisco CP will be launched must be configured with IP addresses from the same subnet.

There are two ways that you can ensure that the router configuration meets these requirements:

- You can copy the default configuration file from router Flash memory to router NVRAM. Each SKU provides the default configuration file in router Flash memory. To use this method, see Copying the Default Configuration File to Router NVRAM.

- You can use the Cisco IOS CLI to enter the necessary configuration commands. To use this method, see Entering the Configuration Commands Manually.

Copying the Default Configuration File to Router NVRAM

If you want to start with a factory default configuration that is designed to support Cisco CP, you can use the procedure in this section. The factory default configuration includes all the commands necessary to support Cisco CP and configures an Ethernet interface with the IP address 10.10.10.1.

To copy the default configuration file from router Flash memory to NVRAM, complete the following steps.:

Step 1 Log on to the router through the Console port or through an Ethernet port.

Step 2 If you use the Console port, and no running configuration is present in the router, the Setup command Facility starts automatically, and displays the following text:

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

Continue with configuration dialog? [yes/no]:
```

Enter **no** so that you can enter Cisco IOS CLI commands directly.

If the Setup Command Facility does not start automatically, a running configuration is present, and you should go to the next step.

Step 3 When the router displays the user EXEC mode prompt, enter the **enable** command, and the enable password, if one is configured, as shown below:

```
Router> enable
password password
Router#
```

Step 4 To identify the default configuration file, enter the **show flash** command. The filename is of the form cpconfig-*modelnumber*.cfg, where *modelnumber* represents the router series. For example the configuration file name for the Cisco 860 and 880 series routers is cpconfig-8xx.cfg.

```
Router# show flash
-#- --length-- -----date/time------ path
1     2903 Apr 15 2008 20:34:48 +00:00 cpconfig-8xx.cfg
2     115712 Apr 15 2008 20:34:50 +00:00 home.tar
3     2279424 Apr 15 2008 20:34:54 +00:00 cpexpress.tar
Router#
```

Step 5 To copy the default configuration file to router NVRAM, enter the **copy flash: nvram:** command, as shown in the following example:

```
Router# copy flash: cpconfig-8xx.cfg nvram:
```

When the default configuration file is in NVRAM, it becomes the router startup configuration.

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Step 6 To make the new startup configuration the running configuration, so that the router can support Cisco CP, enter the **copy startup-config running-config** command, as shown in the following example:

```
Router# copy startup-config running-config
```

Entering the Configuration Commands Manually

If you don't want to use the factory default configuration because the router already has a configuration, or for any other reason, you can use the procedure in this section to add each required command to the configuration.

To enter the Cisco IOS commands manually, complete the following steps:

Step 1 Log on to the router through the Console port or through an Ethernet port.

Step 2 If you use the Console port, and no running configuration is present in the router, the Setup command Facility starts automatically, and displays the following text:

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

Continue with configuration dialog? [yes/no]:
```

Enter **no** so that you can enter Cisco IOS CLI commands directly.

If the Setup Command Facility does not start automatically, a running configuration is present, and you should go to the next step.

Step 3 When the router displays the user EXEC mode prompt, enter the **enable** command, and the enable password, if one is configured, as shown below:

```
Router> enable
password password
```

Step 4 Enter config mode by entering the config terminal command, as shown in the following example.

```
Router> config terminal
Router(config)#
```

Step 5 Enter a username with privilege level 15, as shown in the following example.

```
Router(config)# username name privilege 15 secret 0 password
```

Step 6 If no router interface is configured with an IP address, configure one so that you can access the router over the network. The following example shows the interface Fast Ethernet 0 configured.

```
Router(config)# int FastEthernet0
Router(config-if)# ip address 10.10.10.1 255.255.255.248
Router(config-if)# no shutdown
Router(config-if)# exit
```

If you are going to connect the PC directly to the router, the PC must be on the same subnet as this interface.

Step 7 Configure the router as an http server for nonsecure communication, or as an https server for secure communication.

To configure the router as an http server, enter the **ip http server** command shown in the example:

```
Router(config)# ip http server
```

To configure the router as an https server, enter the **ip http secure-server** command shown in the example:

```
Router(config)# ip http secure-server
```

Step 8 Configure the router for local authentication, by entering the **ip http authentication local** command, as shown in the example:

```
Router(config)# ip http authentication local
```

Step 9 Configure the http timeout policy as shown in the example:

```
Router(config)# ip http timeout-policy idle 60 life 86400 requests 10000
```

Step 10 Configure the vty lines for privilege level 15. For nonsecure access, enter the **transport input telnet** command. For secure access, enter the **transport input telnet ssh** command. An example of these commands follows:

```
Router(config)# line vty 0 4
Router(config-line)# privilege level 15
Router(config-line)# login local
Router(config-line)# transport input telnet
Router(config-line)# transport input telnet ssh
Router(config-line)# exit
Router(config)# line vty 5 15
Router(config-line)# privilege level 15
Router(config-line)# login local
Router(config-line)# transport input telnet
Router(config-line)# transport input telnet ssh
Router(config-line)# end
```

Task 4: Configure the IP Address On the PC

This task section explains how to configure an IP address on the PC so that you can connect to Cisco CP Express and begin configuring the router.

Who Should Use this Section   If you are setting up a new router, and want to use Cisco CP Express to give the router a basic configuration, use this section.

Who Can Skip this Section   If you don't want to use Cisco CP Express to give the router a basic configuration, you can skip this section.

The default configuration file assigns an IP address to a LAN interface on the router, and you must configure the PC to be on the same subnet as the router LAN interface. If the router is a fixed-interface model, it is configured as a DHCP server, and the PC must be configured to accept an IP address automatically. If the router can accept modular interfaces, it is not configured as a DHCP server, and you must configure the PC with a static IP address on the same subnet as the router.

To configure the IP address on the PC, complete the following steps:

**Step 1** Find your router model number in Table 3. Note the required IP address configuration for the PC.

Table 2   Required PC IP Address Configurations

Router Model	DHCP Server	Required PC IP Address Configuration
Cisco 815, Cisco 86x, Cisco 88x, Cisco 180x, Cisco 1805, Cisco 1811 and 1812	Yes	Obtain an IP address automatically.
Cisco 1841, Cisco 1861, Cisco 2801, Cisco 2811	No	Static IP address from 10.10.10.2 to 10.10.10.6 Subnet Mask: 255.255.255.248
Cisco 28xx, Cisco 38xx	No	Static IP address from 10.10.10.2 to 10.10.10.6 Subnet Mask: 255.255.255.248

Step 2   Configure the IP address on the PC by doing the following:

a.   Click **Start** > **Control Panel** > **Network Connections** > **Local Area Connection**.

b.   In the item list, select **Internet Protocol** (**TCP/IP**).

c.   Click **Properties**.

d.   In the General tab, configure the IP address.

To configure the PC to obtain an IP address from a DHCP server, click **Obtain an IP address automatically**. See Figure 1.

Figure 1   Configuring the PC To Obtain an IP Address Automatically
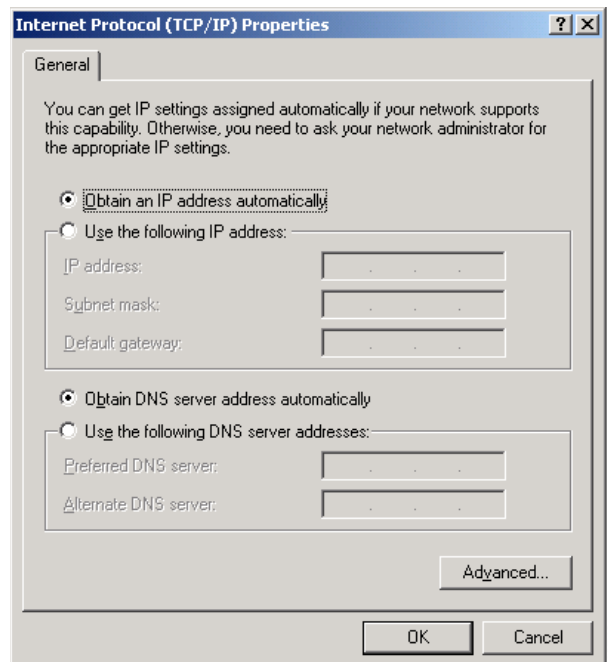
• Click **OK** to close the dialog.

To configure the PC with a static IP address of 10.10.10.2 and a subnet mask of 255.255.255.248, complete the following steps in the General Tab:

- Click **Use the following IP address**. See Figure 2.

Figure 2   Configuring the PC with a Static IP Address
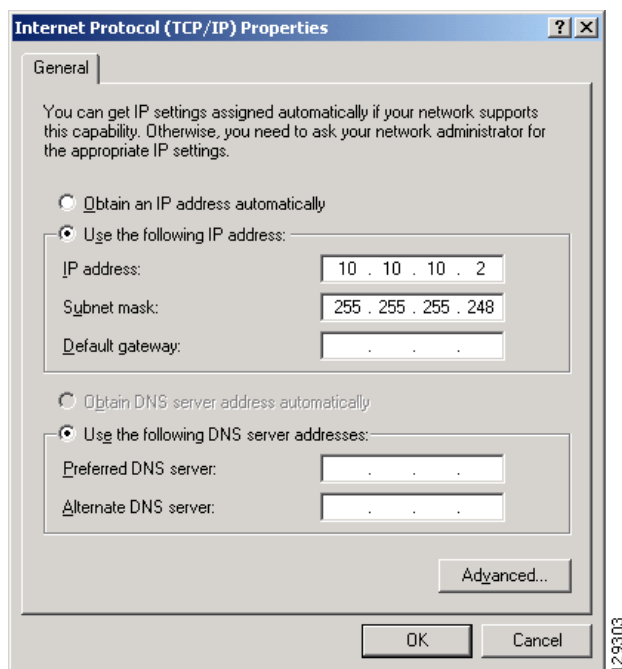
- In the IP address field, enter the following IP address:

  `10.10.10.2`

- In the Subnet mask field, enter the following subnet mask:

  `255.255.255.248`

- Click **OK** to close the dialog.

Task 5: Connect the PC To the Router
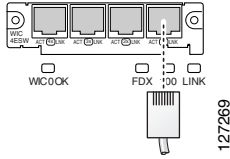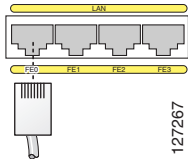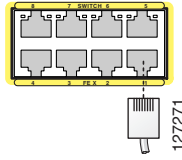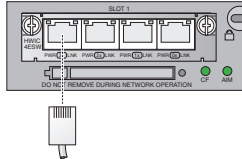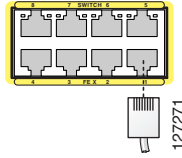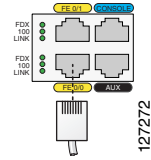
This task section explains how to cable the PC to the router to perform initial configuration.

Who Should Use this Section   If you are setting up a new router, and want to use Cisco CP Express to give the router a basic configuration, use this section.
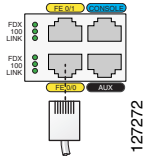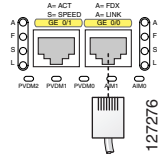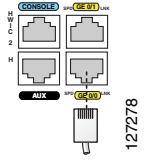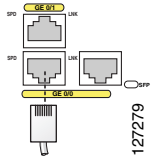
Who Can Skip this Section   If you want to use Cisco CP to manage a router that is already in use, you can skip this section.

Use the information in Table 3 to connect the PC Ethernet port to the correct router Ethernet port.

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Table 3   Routers Configured as DHCP Servers

Router Model	Cable Type	Connect the Ethernet Cable to the Port Shown
Cisco 815	Straight-through (packed with router)	Connect to any ACT Lnk port.
Cisco 860 series Cisco 880 series	Straight-through (packed with router)	Connect to any LAN port.
Cisco 1801 Cisco 1802 Cisco 1803	Straight-through (packed with router)	Connect to any SWITCH port.
Cisco 1805	Straight-through (packed with router)	Connect to any PWR Lnk port.
Cisco 1811 Cisco 1812		Connect to any SWITCH port.
Cisco 1841 Cisco 1861	Crossover, or straight-through with Ethernet switch (Not included with router)	Connect to FE 0/0.

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Table 3   *Routers Configured as DHCP Servers (continued)*

Router Model	Cable Type	Connect the Ethernet Cable to the Port Shown	
Cisco 2800	Crossover, or straight-through with Ethernet switch (Not included with router)	127272 Connect to FE 0/0.	127276 Connect to GE 0/0.
Cisco 3800	Crossover, or straight-through with Ethernet switch (Not included with router)	127278 Connect to GE 0/0.	127279 Connect to GE 0/0.

Task 6: Run the Cisco CP Express Wizard

This task section explains how to run the Cisco CP Express wizard to give the router a basic configuration.

Who Should Use this Section	If you are setting up a new router, and want to use Cisco CP Express to give the router a basic configuration, use this section.
Who Can Skip this Section	If you want to use Cisco CP to manage a router that is already in use, you can skip this section.

Cisco CP Express is a Cisco CP program that lets you quickly configure the router LAN and Internet connections. After you use Cisco CP Express to give the router these basic connections, you can use Cisco CP for more complex configurations. Cis co recommends that you use the Cisco CP Express wizard to configure the following features:

- Router name
- Username and passwords
- LAN IP address
- DHCP server, if needed.

Although you can use the wizard to configure a WAN connection, a firewall, and security settings, it is not required that you do so. Cisco CP provides wizards to help you configure these features.

To use the Cisco CP Express wizard, perform the following steps:

Step 1   Open a web browser on the PC, disable any active popup blockers, and enter the following URL:

http://10.10.10.1

Step 2   Enter the username **cisco**, and the password **cisco** in the login window. If other login windows appear during the startup process, enter the same credentials (cisco/cisco). See the Tip section if the login window does not appear.

Tip   If the launch page does not appear when you enter the URL **http://10.10.10.1**, test the connection between the PC and the router by doing the following:

- Check that the Power LED on the router is on, and that the LED for the port to which you connected the PC is on, indicating an active Ethernet connection between the router and the PC. If this LED is not lit, verify that you are using a crossover cable to connect the PC to the router, or that you are using a straight-through cable between the router and the switch.

- Verify that the web browser "work offline" option is disabled. In Internet Explorer, click the **File** menu, and verify that the "work offline" option is unchecked.

- Verify that the files cpexpress.tar, home.tar, and home.shtml files are loaded into flash memory. Open a Telnet session to 10.10.10.1, entering the username **cisco** and the password **cisco**. Enter the **show flash** command to display the files that are loaded in flash memory.

Note   For security reasons, the username cisco and password cisco will expire the first time they are used. Before you log off the router, be sure to enter this Cisco IOS command:

username *username* **privilege 15 secret 0** *password*

Replace *username* and *password* with the username and password that you want to use. This command creates a new user with privilege level 15 and a password for that user. If you do not do this, you will not be able to log into the router after you end the session. Use the new credentials that you create for future sessions, instead of using the username cisco and password cisco.

- Verify that the PC IP address is properly configured. Some routers require that the PC obtain an IP address automatically and some require that it be configured with a static IP address. Find your router in Table 2 on page 7 to determine how the PC should be configured.

When you connect to the router, the Cisco CP Express Launch page (Figure 3) appears, followed by one or more certificate windows.

Figure 3 **Cisco CP Express Launch Page**
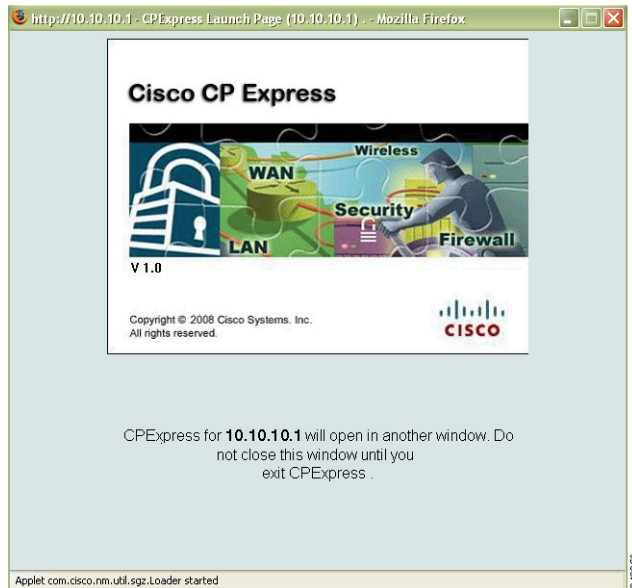
Step 3   Click **Yes**, or click **Grant** to accept the certificates.

Step 4   The Cisco CP Express Overview page appears and then the Cisco CP Express Wizard page is also displayed (Figure 4). Click **Next** to begin configuring the router.

Figure 4 **Cisco CP Express Overview and Wizard Pages**

Tip   The Cisco CP Express wizard will ask you to enter an enable secret password to control access to Cisco IOS software. Be sure to write down or remember the enable secret password that you enter. It is not shown in the Enable Password field or in the Summary window, and it cannot be reset without erasing the router configuration. You are also asked to change the router's LAN IP address from its default value.

Step 5   When the Summary window appears, write down the LAN IP address, the username and the user password that you entered, and click **Finish**. You will need this information to reconnect to the router to perform additional configuration.

Step 6   Exit Cisco CP Express and complete "Task 7: Verify the Initial Configuration" to reconfigure the PC and reconnect to your router, using the new IP address that you gave to the LAN interface.

Task 7: Verify the Initial Configuration

This task section explains how to verify the initial configuration performed with Cisco CP Express.

Who Should Use this Section	If you used Cisco CP Express to give the router a basic configuration, use this section.
Who Can Skip this Section	If you did not use Cisco CP Express to give the router a basic configuration, you can skip this section.

To verify the initial configuration by reconnecting to Cisco CP Express, complete the following tasks:

Step 1   Ensure that the IP address of the PC is on the same subnet as the router LAN interface. The steps to follow depend on whether the PC must be configured to obtain an IP address automatically, or whether it must be configured with a static IP address.

To configure the PC to obtain an IP address automatically, do the following:

a. Go to the Internet Protocol Properties General Tab by following the instructions in Task 4: Configure the IP Address On the PC, page 6.

b. Click **Obtain an IP address automatically**, as shown in Figure 1 on page 7. Click **OK** to close the dialog.

c. Click **Start > Run**.

d. In the Run field, enter the command **cmd**.

e. In the displayed command window, enter the **ipconfig /release** command followed by the **ipconfig /renew** command to obtain a new IP address from the router. When you enter these commands you get output similar to the following:

```
C:\> ipconfig /release
Ethernet adapter Local Area Connection:
        Connection-specific DNS Suffix  . : somename.com
        IP Address. . . . . . . . . . . : 0.0.0.0
        Subnet Mask . . . . . . . . . . : 0.0.0.0
        Default Gateway . . . . . . . . :
```

```
C:\> ipconfig /renew
Ethernet adapter Local Area Connection:
        Connection-specific DNS Suffix  . : somename.com
        IP Address. . . . . . . . . . . : 192.168.1.147
        Subnet Mask . . . . . . . . . . : 255.255.255.0
        Default Gateway . . . . . . . . : 192.168.1.1
```

✎

Note You must enter the **ipconfig /release** command and the **ipconfig /renew** command even if the PC was originally configured to accept an IP address automatically.

To configure the PC with a new static IP address, do the following:

a. Go to the Internet Protocol Properties General Tab by following the instructions in Task 4: Configure the IP Address On the PC, page 6.

b. Click **Use the following IP address**. Enter the new IP address and subnet mask. An example is shown in Figure 5 on page 14.

c. Click **OK** to close the dialog.

Figure 5   *Configuring the PC with a New Static IP address*
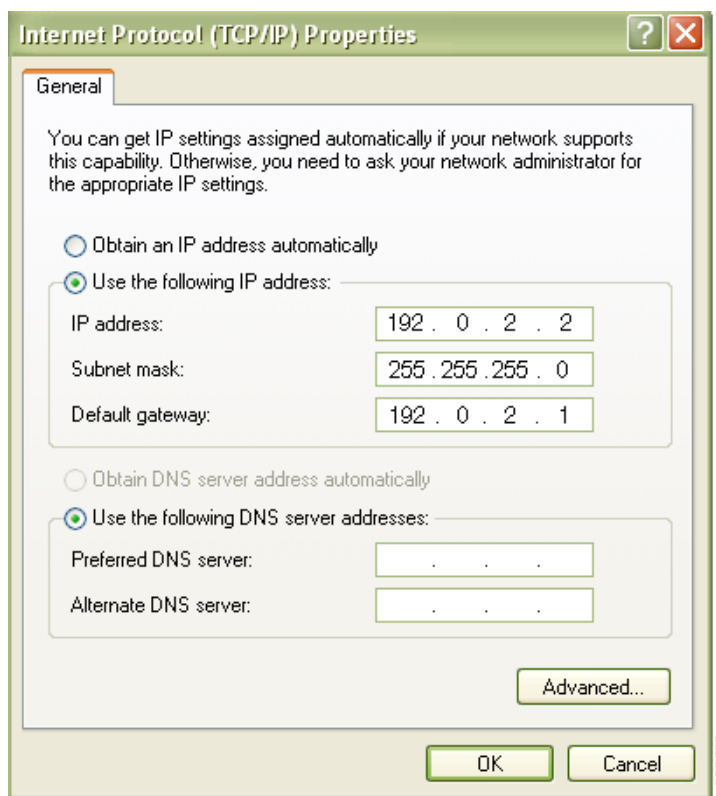
Step 2 Open a web browser and enter the new IP address that you gave the router LAN interface.

http://*new-IP-address*

For example, if you gave the LAN interface the IP address 192.0.2.1, you would enter the following command in the browser.

```
http://192.0.2.1
```

Step 3   Enter the username and password that you specified for the router when you completed the Cisco CP Express wizard.

Figure 6   Cisco CP Express Overview Window

If the Cisco CP Express overview window is displayed, you have validated the LAN interface configuration.

Step 4   Test the Internet (WAN) connection that you configured by opening another web browser window and connecting to a website. If you can connect to a website, such as www.cisco.com, your WAN connection works properly. If you cannot, you can use Cisco CP Express or Cisco CP to correct your WAN settings.

Step 5   Go to "Task 8: Install Cisco CP" to install Cisco CP.

Task 8: Install Cisco CP

This task section explains how to install Cisco CP on a PC so that you can use it to manage routers.

Who Should Use this Section   If you want to install Cisco CP on your PC to manage routers, use this section.

Who Can Skip this Section   If you don't need to use Cisco CP, you can skip this section.

You can install Cisco CP on a PC using the CD, or using the Cisco CP download file from www.cisco.com. The download file has the same contents as the CD. First, locate the installation file, and then start the installation wizard.

Step 1   If you are using the Cisco CP CD place it in the CD drive, and, from the PC desktop, click **My Computer**. If you downloaded Cisco CP from the www.cisco.com, go to the folder in which you unpacked the download file, and then skip to Step 3.

Step 2   CD users double-click the CD drive icon in the My Computer window, for example DVD/CD-RW Drive (D:).

Step 3   All users locate the installation file ccp_*NN*_win_*ln*.exe, where *NN* is the version number, and *ln* is the language. For example, the installation file for English language Cisco CP 1.0 is ccp_10_win_en.exe.

Step 4   Double-click the installation file. The Cisco CP Installshield wizard displays the first screen (Figure 7).

Figure 7   *Cisco CP Installshield Splash Screen*
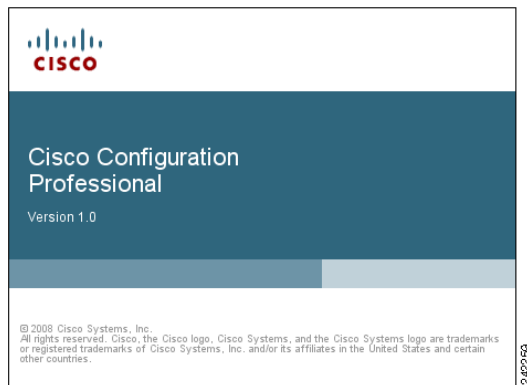
Step 5   When the Welcome window appears (Figure 9), click **Next** to begin the installation.

Figure 8   *Welcome Window*
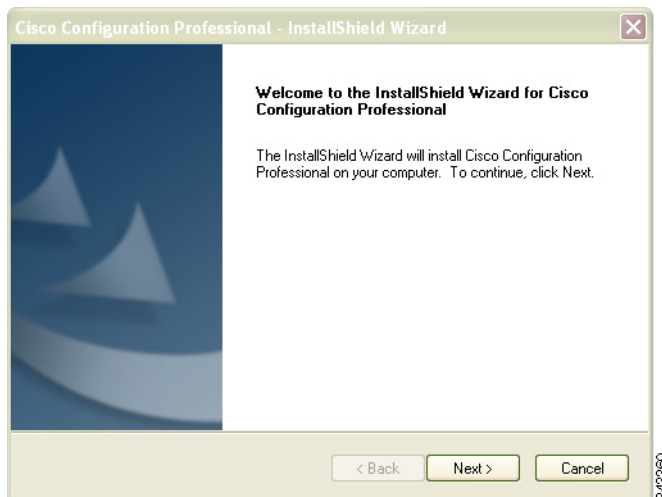
Step 6   In the screens that follow, review the license terms, and choose where you want to install Cisco CP. In the Ready to Install screen, click **Next** to begin copying the files to the PC.

Step 7   In the Install Options screen, choose where you want to create shortcuts for Cisco CP, then click **Next**.

Step 8   In the Install Complete screen (Figure 9 on page 17), click **Run Cisco Configuration Professional**.

Step 9   To get an overview of Cisco CP, click **Read Getting Started Guide**.

Figure 9   *Install Options*

Step 10   Click **Finish**. Cisco CP displays the screen in Figure 10. If you clicked Read Getting Started Guide, the Getting Started Guide PDF launches in another window.

Figure 10   *Cisco Configuration Professional Splash Screen*
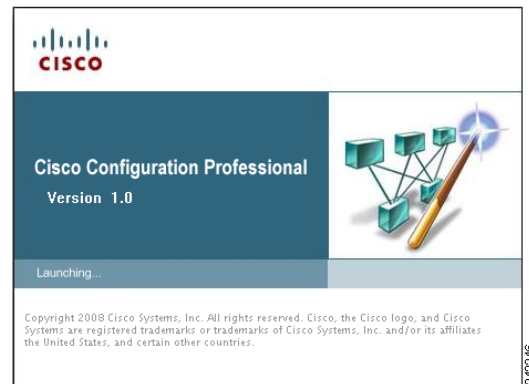
Step 11   Read the section "Task 9: Start Using Cisco CP" to learn how to create a community of devices and how to use Cisco CP to configure them.

Task 9: Start Using Cisco CP

This task section describes how to start using Cisco CP.

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Who Should Use this Section   If you installed Cisco CP on your PC to manage routers, use this section.

Who Can Skip this Section   If you did not install Cisco CP, you can skip this section.

Cisco CP works with device communities. A community consists of one or more devices that you specify by providing their IP addresses and login credentials. After you create the community, you can begin working with the devices in it.

This section contains the following parts:

- Creating a Community
- Creating an Initial Configuration of a Feature
- Editing a Configuration

Creating a Community

To create a community, complete the following tasks:

Step 1   If Cisco CP is not running, start it by going to **Start** > **All Programs** > **CiscoCP**, or by clicking the Cisco Configuration Professional icon on the desktop. The screen in Figure 10 on page 17 appears. When Cisco CP completes startup, the Select / Create Community screen (Figure 11) is displayed.

Figure 11   *Select / Create Community*
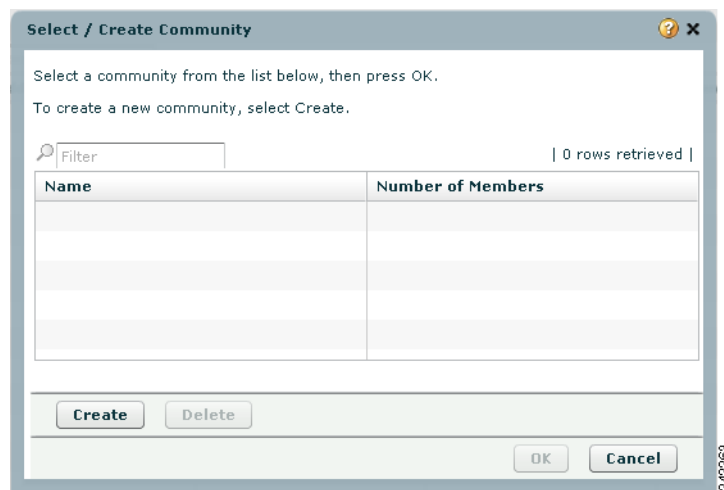
Step 2   To create the first community, click **Create**.

Step 3   When the Enter Community Name screen (Figure 12) appears, enter a name for the community, and click **Next**.

Figure 12   Create Community Wizard Screen: Enter Community Name

Step 4   In the wizard Add/Edit Community Member screen, click **Add**. The Create Community Entry dialog (Figure 13) is displayed over the Add/Edit Community Member screen.

Figure 13   Create Community Member Dialog

Step 5   To create the community entry, you must provide the IP address and login credentials of a device that you want to add to the community. The username that you specify must have a privilege level of 15.

Step 6   When you have entered the community member information, click **OK**. The Create Community Entry dialog closes and the Add/Edit Community Member screen is updated with the IP address of the device you added (Figure 14).

Figure 14   ***Add/Edit Community Member Screen***

Step 7   To add another device to the community, click **Add** and provide the information in the Create Community Entry dialog.

Step 8   When you are finished adding devices to the community, click **Next**. The Complete screen (Figure 15) is displayed.

Figure 15   ***Complete Screen***

Step 9   Do one of the following:

- To create another community, check **Create another community**, and click **Finish**. Cisco CP returns you to the Enter Community Name screen.

- To exit the wizard, leave **Finish, exit wizard** checked, and click **Finish**. Cisco CP closes the wizard, and redisplays the Select / Create Community screen, updated with information about the communities that you created (Figure 16).

Figure 16   Select / Create Screen
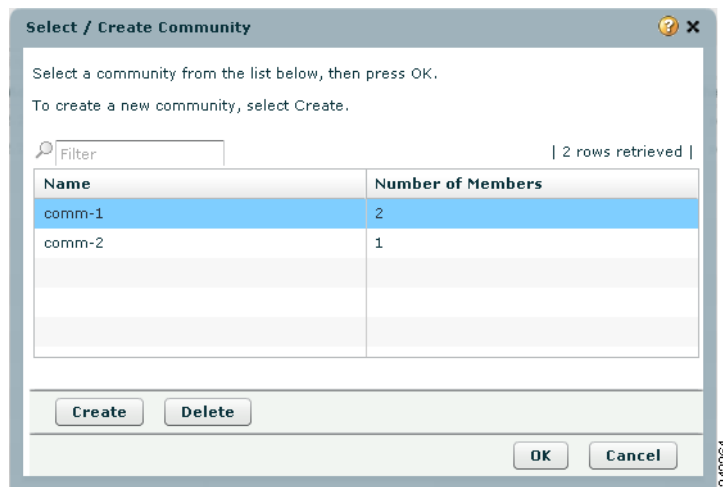
Creating an Initial Configuration of a Feature contains a procedure for configuring a router interface that is a good example of how configuration tasks are performed using Cisco CP.

Creating an Initial Configuration of a Feature

This section provides a procedure for configuring a router interface. It is provided as an example of how you create an initial configuration of a feature using Cisco CP.

Step 1   To start, choose the community that the device belongs to, and click **OK**. The Community Information screen (Figure 17) is displayed.

Figure 17   ***Community Information Screen***
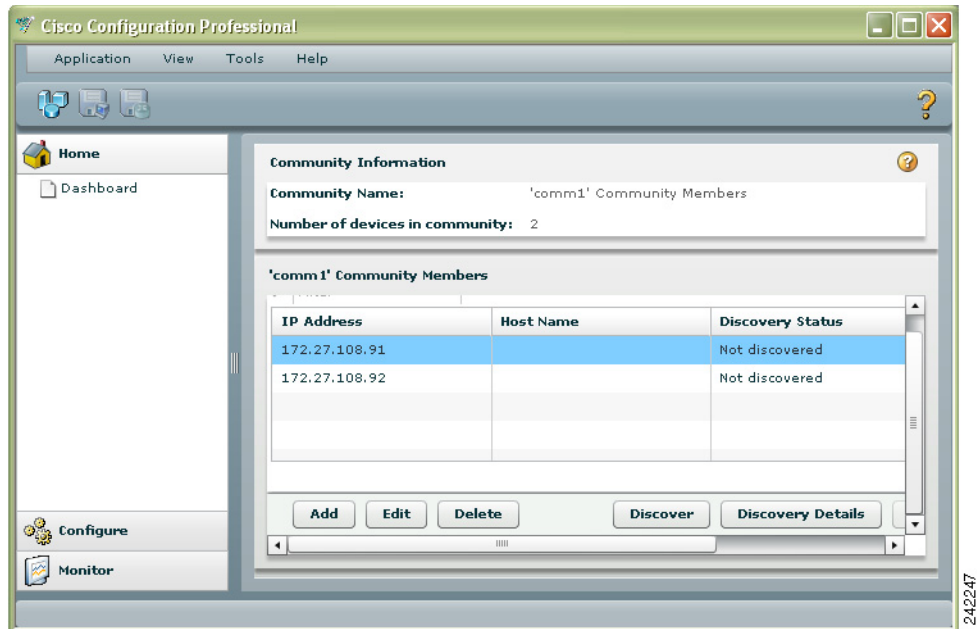
Step 2 In the Community Information screen, choose the device that you want to work with, and click **Discover**. Depending on network conditions, Cisco CP may take several minutes to discover the device. If you want to work with additional devices in the community, choose them and click **Discover**.

Step 3 To begin configuring a discovered device, click on the row for the device, and in the left pane, click **Configure**. Figure 18 shows the Configure tree expanded in the left pane.

Figure 18   ***Configure Tree***
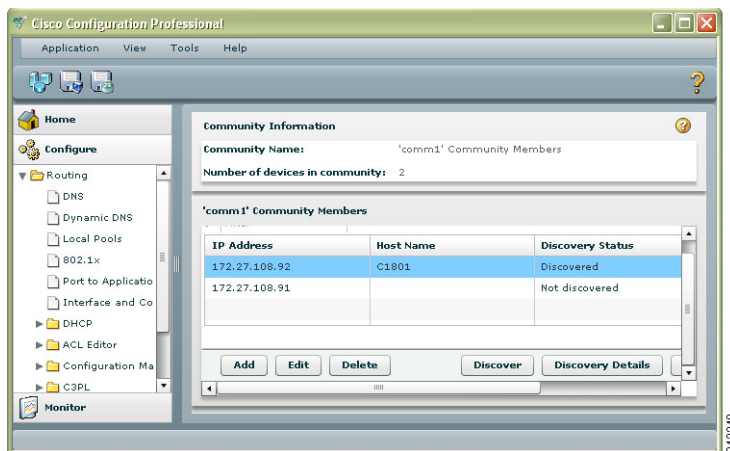
Step 4 In the Configure tree choose the configuration task that you want to perform. The screen for that task appears in the right pane. Figure 19 shows the Interfaces and Connections screen.

Figure 19   Interfaces and Connections
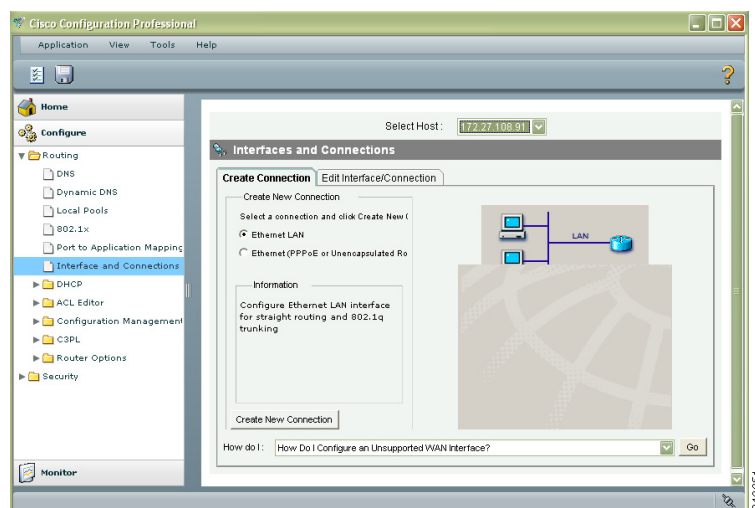
The Interfaces and Connections screen has a Create Connection Tab and an Edit Connection/Interface tab. The Create tabs in Cisco CP screens provide access to smart wizards that guide you through the configuration and that let you know if changes you are making will conflict with the existing configuration. The Edit tabs provide access to screens with additional settings. It is a good practice to create a starting configuration using the wizards, and then to examine the configuration in the screens available from the Edit tab and make any further changes that you need.

Step 5   To begin using a wizard, click the Create or the Launch button provided on the Create tab. The wizard welcome screen is displayed, which describes the tasks you will perform. Figure 20 shows the ADSL connection wizard Welcome screen.

Figure 20   ADSL Connection Wizard Welcome Screen
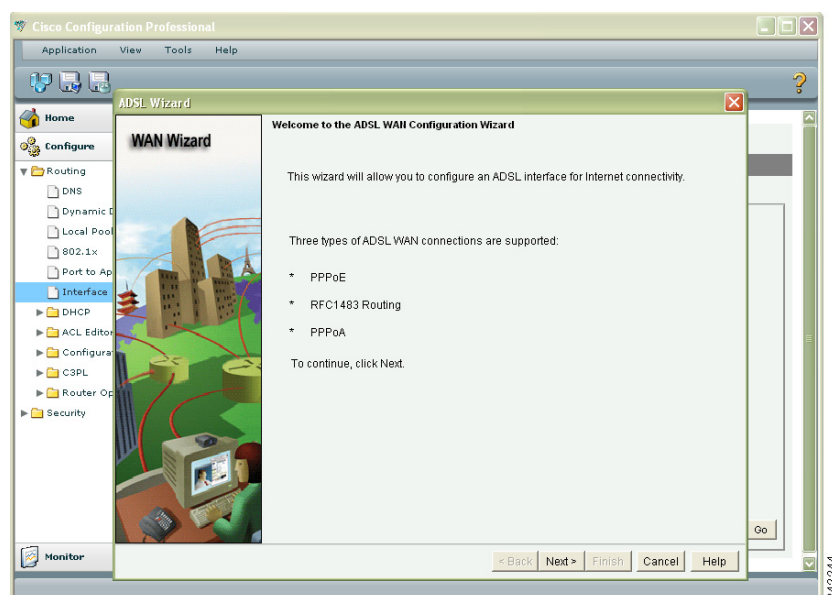
Step 6   To begin configuration using the wizard, click Next. Figure 21 shows the ADSL Encapsulation screen, which allows you to choose the type of encapsulation to use.

Figure 21   ADSL Encapsulation Screen
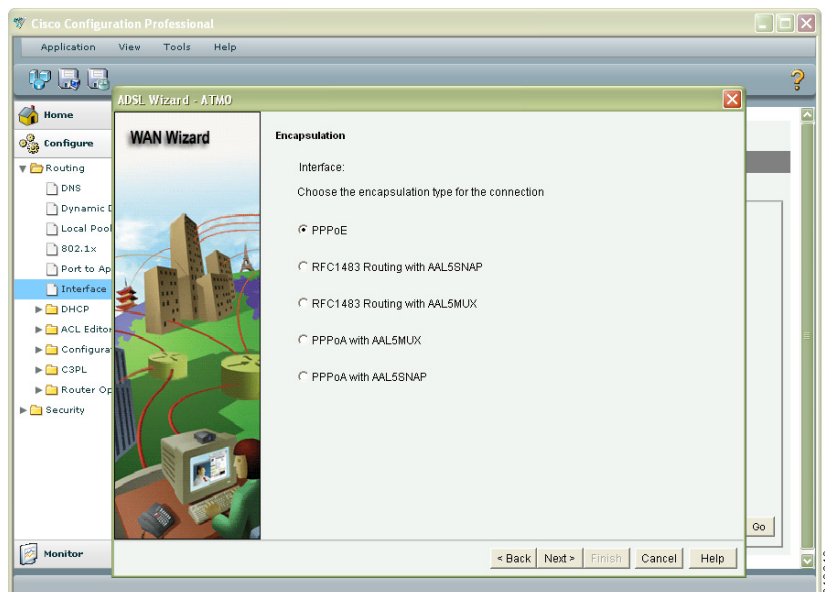
Step 7 Choose or enter the values that the screen prompts you for.

Step 8 To complete the wizard, use the Next button to move to subsequent screens and complete them. When you have entered all required values, the wizard displays the summary screen. This screen displays the values that you have entered. Figure 22 shows the ADSL Connection Summary screen.

Figure 22   ADSL Connection Summary Screen
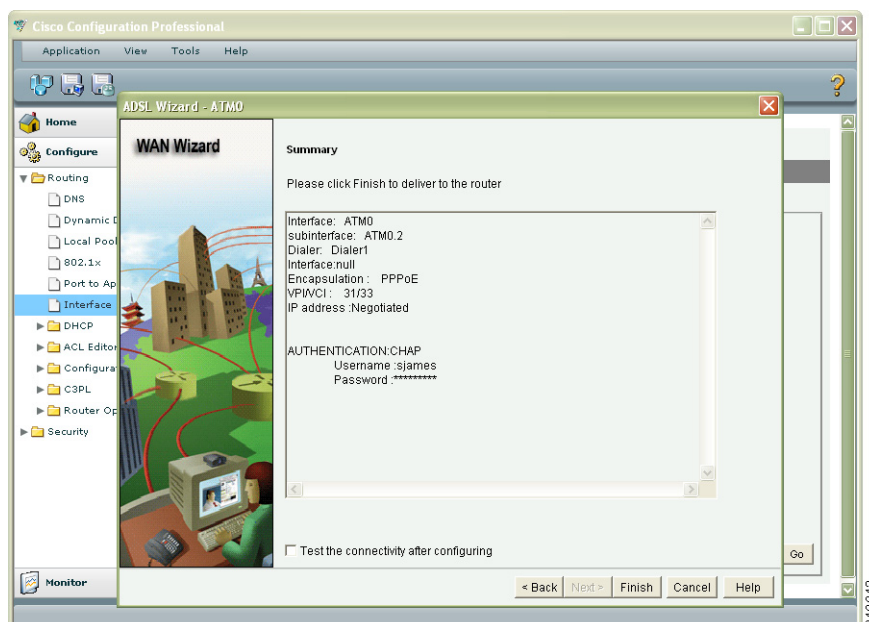
Step 9 Review the information. If you want to change anything, click **Back** to return to the screen in which you need to make changes, make them, and then return to the Summary screen.

Step 10 Click **Finish** to deliver the changes to the router.

Step 11   If you want to save the running configuration to the router startup configuration or to the PC, use the buttons described in Table 4.

Table 4   Save Running Configuration Buttons

Button	Function
	Save running configuration to PC.
	Save running configuration to startup configuration.

Editing a Configuration describes how to change a configuration.

Editing a Configuration

Once a configuration has been created using a wizard, you can edit that configuration without returning to the wizard again. Editing the configuration gives you access to additional configuration values that are not available in the wizards. The following example procedure describes editing a Fast Ethernet connection.

To edit a configuration, complete the following tasks:

Step 1   To access the edit screens, click the Edit tab. Figure 23 on page 25 shows the Edit Interfaces/Connections tab.

Figure 23   Edit Interfaces/Connections
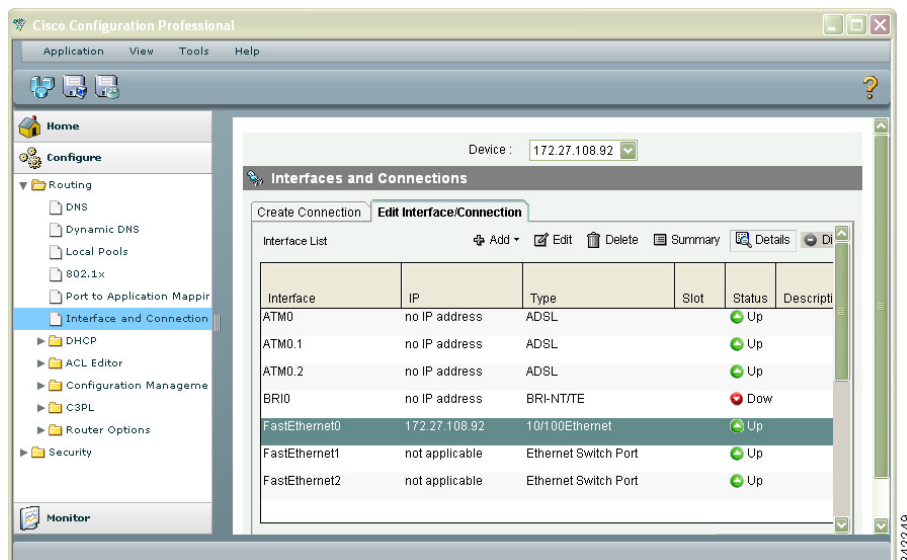
Step 2   To edit a configuration entry, double click the entry. If the screen has an Edit button, choose the entry that you want to change and click **Edit**. A tabbed dialog is displayed. Figure 24 shows Interface and Connections dialogs for a Fast Ethernet connection.

Figure 24   Connection Dialog
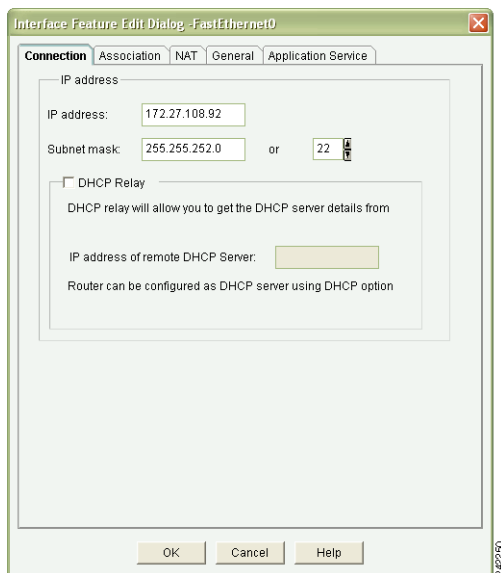
Step 3   Make the necessary settings in the dialog.

Step 4   Click the tab for the next dialog that you need to make changes in, and make those changes.

Step 5   Click **OK** to send the changes to the router, and to close the dialog.

You're Done! Where to Go from Here

Now that you have used Cisco CP to give your router an initial configuration, you can continue to use Cisco CP to configure additional features or modify existing feature configurations.

For More Information About Cisco CP and About Your Router

For additional information about Cisco CP features, refer to the Cisco CP online help, and to the documentation available on Cisco.com.

Cisco.com

You can access the most current Cisco documentation on the World Wide Web at this URL:

http://www.cisco.com/univercd/home/home.htm

You can access the Cisco website at this URL:

http://www.cisco.com

See the quick start guide for the router you have just configured for information on obtaining other documentation, providing documentation feedback, and obtaining technical assistance.

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