

## Installing the VPN Client

This chapter explains how to install the VPN Client on your PC and includes the following sections:

- Verifying System Requirements
- Gathering Information You Need
- Installing the VPN Client Through InstallShield
- Installing the VPN Client Through Microsoft Windows Installer

To upgrade the VPN Client software, or to uninstall it, see "Managing the VPN Client."



**Caution** Installing the VPN Client software using InstallShield on Windows NT or Windows 2000 requires Administrator privileges. If you do not have Administrator privileges, you must have someone with Administrator privileges install the product for you.

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## Installation Applications

You can install the VPN Client on your system through two different applications: InstallShield and Microsoft Windows Installer (MSI). Both applications use installation wizards to walk you through the installation. Installing the VPN Client through InstallShield includes an Uninstall icon in the program group; MSI does not. In the latter case, to manually remove VPN Client applications, you can use the Microsoft Add/Remove Programs utility.

## Verifying System Requirements

Verify that your computer meets these requirements:

- Computer with a Pentium<sup>®</sup>-class processor or greater
- One of the following operating systems:
  - Microsoft<sup>®</sup> Windows<sup>®</sup> 95 (OSR2), Windows 98, or Windows 98 (second edition)

- Windows ME
- Windows NT<sup>®</sup> 4.0 (with Service Pack 6, or higher)
- Windows 2000
- Windows XP
- Microsoft TCP/IP installed. (Confirm via Start > Settings > Control Panel > Network > Protocols or Configuration.)
- 10 MB hard disk space.
- RAM:
  - - 16 MB for Windows 95/98
    - 32 MB for Windows NT and Windows ME
    - 64 MB for Windows 2000
    - 128 MB for Windows XP
- To install the VPN Client:
  - - CD-ROM drive
    - 3.5 inch high-density diskette drive
    - Administrator privileges if installing on Windows NT or Windows 2000
- To use the VPN Client:
  - - Direct network connection (cable or DSL modem and network adapter/interface card)
    - Internal or external modem
    - For Windows 95, Microsoft Dial-Up Networking (DUN) version 1.2 or greater. (DUN 1.3 for Windows 95 is a recommended

performance and security upgrade, and it is available as a free download from the Microsoft Web site, [www.microsoft.com](http://www.microsoft.com). Windows 98 includes the DUN 1.3 functionality.)

- To connect using a digital certificate for authentication:
  - - A digital certificate signed by one of the following Certificate Authorities (CAs) installed on your PC:

Baltimore Technologies ([www.baltimoretechnologies.com](http://www.baltimoretechnologies.com))

Entrust Technologies ([www.entrust.com](http://www.entrust.com))

Microsoft Certificate Services—Windows 2000

Netscape (Security)

Verisign, Inc. ([www.verisign.com](http://www.verisign.com))

- Or a digital certificate stored on a smart card. The VPN Client supports smart cards via the MS CAPI Interface.

## Gathering Information You Need

To configure and use the VPN Client, you may need the information listed in this section.

Ask for this information from the system administrator of the private network you want to access. Your system administrator may have preconfigured much of this data; if so, he or she will tell you which items you need.

- Hostname or IP address of the secure gateway to which you are connecting
- Your IPsec Group Name (for preshared keys)
- Your IPsec Group Password (for preshared keys)
- If authenticating with a digital certificate, the name of the certificate
- If authenticating through the secure gateway's internal server, your username and password
- If authenticating through a RADIUS server, your username and password

- If authenticating through an NT Domain server, your username and password
- If authenticating through a token vendor, your username and PIN
- If authenticating through a smart card, your smart card, reader, PIN or passcode, and the name of the certificate stored on the smart card
- If you should configure backup server connections, the hostnames or IP addresses of the backup servers

## Installing the VPN Client Through InstallShield

To install the VPN Client on your system, follow these steps. We suggest you accept the defaults unless your system administrator has instructed otherwise.

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**Step 1** Exit all Windows programs, and disable any antivirus software.


**Step 2** Insert the Cisco Systems CD-ROM in your system's CD-ROM drive.

**Step 3** Choose **Start > Run**. The Run dialog box appears.

**Step 4** Enter E:\VPN Client\CD-ROM\InstallShield\setup.exe, where E: is your system's CD-ROM drive.

**Step 5** Click **OK**.

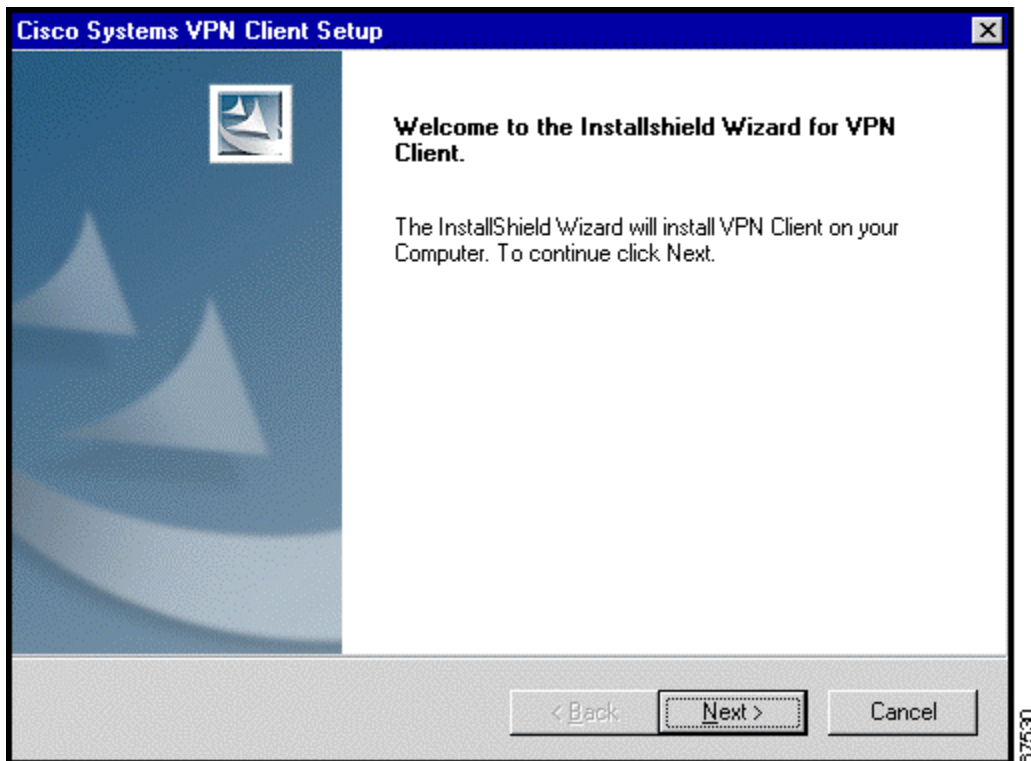
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 **Note** Cisco does not allow you to install the VPN Client software from a network drive. If you attempt to do so, you receive an error message.

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The program displays the Cisco Systems logo and InstallShield Setup window shown in Figure 2-1.

### Figure 2-1: Starting InstallShield Installation



**Step 6** If the InstallShield Wizard identifies an existing version of the VPN Client, the Cisco 5000 Client, or Nortel Networks Extranet Access Client, it displays a dialog box that asks if you want to uninstall the existing client program. To continue, choose **Yes**.

The VPN Client launches the appropriate uninstall wizard: the Cisco VPN Client uninstall wizard to uninstall a previous version of the VPN Client, the Extranet Access Client wizard program, or the Cisco 5000 wizard. Follow the instructions on the uninstall wizard dialog boxes to automatically uninstall the program and reboot.

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 **Note** Having more than one VPN client on your system is not advisable.

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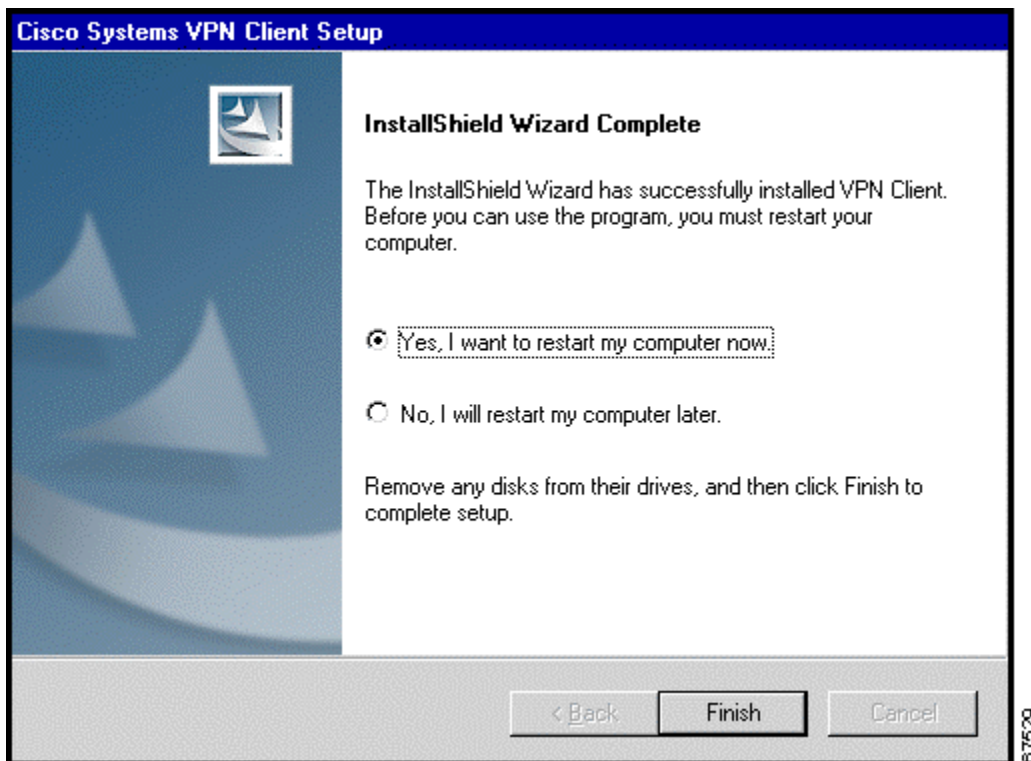
After your system reboots, our own Cisco Systems VPN Client Setup wizard resumes.

**Step 7** Follow the instructions on the screens and enter the following information:

A destination folder for the VPN Client files (or click **Next>** to enter the default location C:\Program Files\Cisco Systems\VPN Client).

**Step 8** After you have installed the VPN Client, the InstallShield Wizard displays the following screen. You must restart your computer before you can configure and use the VPN Client. (See Figure 2-2.)

**Figure 2-2: Completing InstallShield Installation**



- To restart now, click **Finish**. Your system reboots. *Be sure to remove any diskette from the drive before you reboot.*
- To restart later, click the **No** radio button and then click **Finish**. The VPN Client Setup closes. Remember: *you must restart your computer before you can use the VPN Client.*

## Installing the VPN Client Through Microsoft Windows Installer

Microsoft Windows Installer (MSI) is available for Windows NT, Windows 2000, and Windows XP. To install the VPN Client using MSI, use the following procedure.

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**Step 1** Exit all Windows programs, and disable any antivirus software.

**Step 2** Remove any VPN client software currently on your system including the following applications:

- IRE/SafeNet Client
- Nortel Networks VPN Client
- Altiga VPN Client
- Cisco VPN 3000 Client
- Cisco VPN 5000 Client
- Cisco VPN Client v3.0 through v3.6

To remove these applications, select **Control Panel > Add/Remove Programs**. Select the application and then click **Add/Remove**. After Windows removes the application, you must reboot your system.


**Step 3** Insert the Cisco Systems CD-ROM in your system's CD-ROM drive.

**Step 4** Choose **Start > Run**. The Run dialog box appears.

**Step 5** Enter E:\VPN Client\CD-ROM\Msi\vpclient\_en.exe, where E: is your system's CD-ROM drive.

**Step 6** Click **OK**.

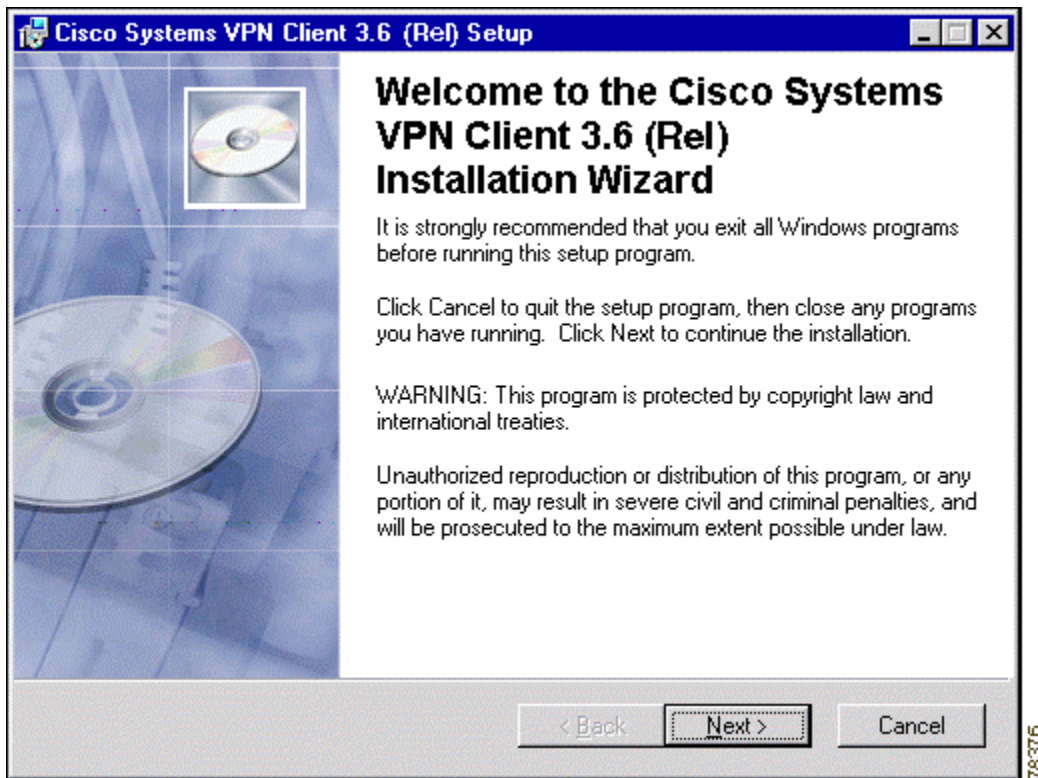
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 **Note** Cisco does not allow you to install the VPN Client software from a network drive. If you attempt to do so, you receive an error message.

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The program displays the Cisco Systems logo and Microsoft Installer Setup window shown in Figure 2-3.

**Figure 2-3: Starting MSI Installation**

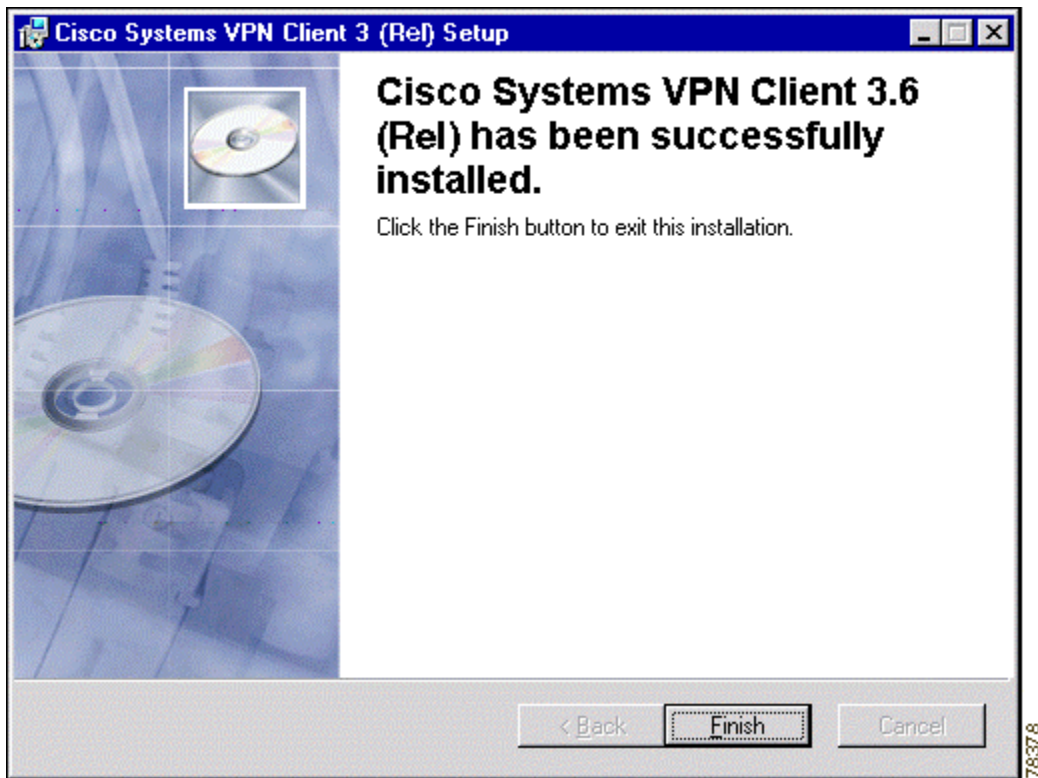


**Step 7** Click **Next** to start the installation and then follow the instructions on the dialogs.

MSI installs the VPN Client in the default location C:\Program Files\Cisco Systems\VPN Client. If you want a different destination folder for the VPN Client files, enter the alternative location when prompted to do so.

When the installation has been completed, the installer displays the dialog in Figure 2-4.

**Figure 2-4: Completing MSI Installation**



**Step 8** Click **Finish**. MSI prompts you to restart your system.

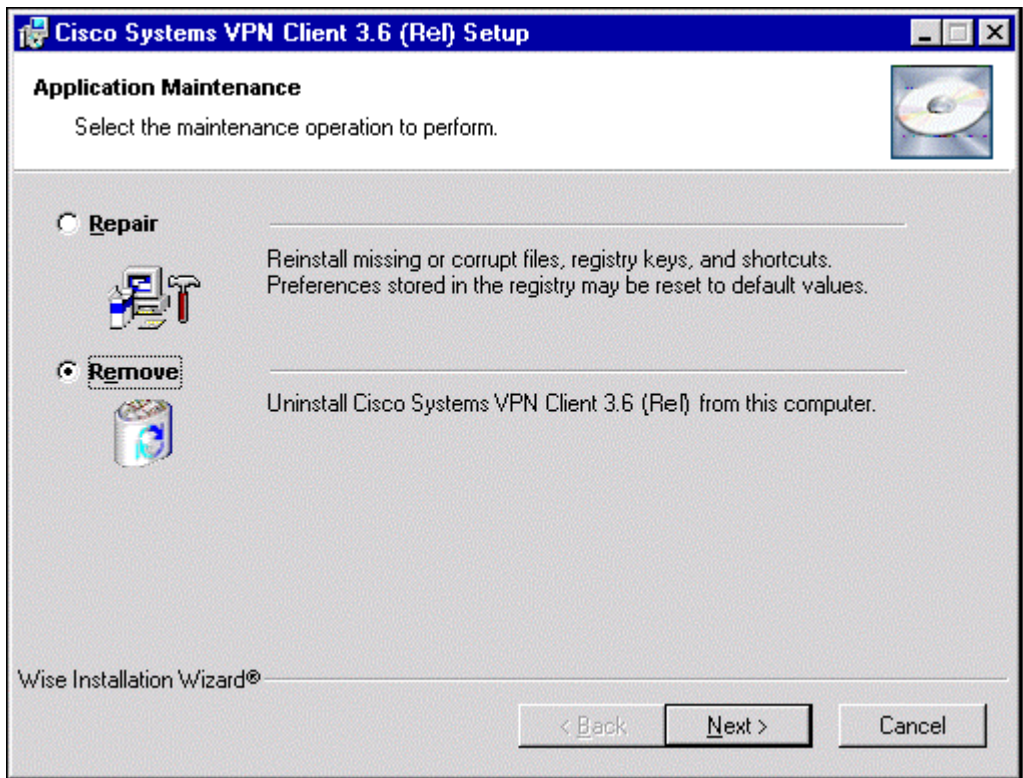
**Step 9** Click **Yes** to restart your system.

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**Note** If you have not removed the VPN Client 3.6, when you execute the `vpnclient_en.exe` command or `vpnclien_en.msi`, a maintenance and repair wizard displays. See Figure 2-5. You do not see these screens when you remove the software through the Add/Remove programs utility.

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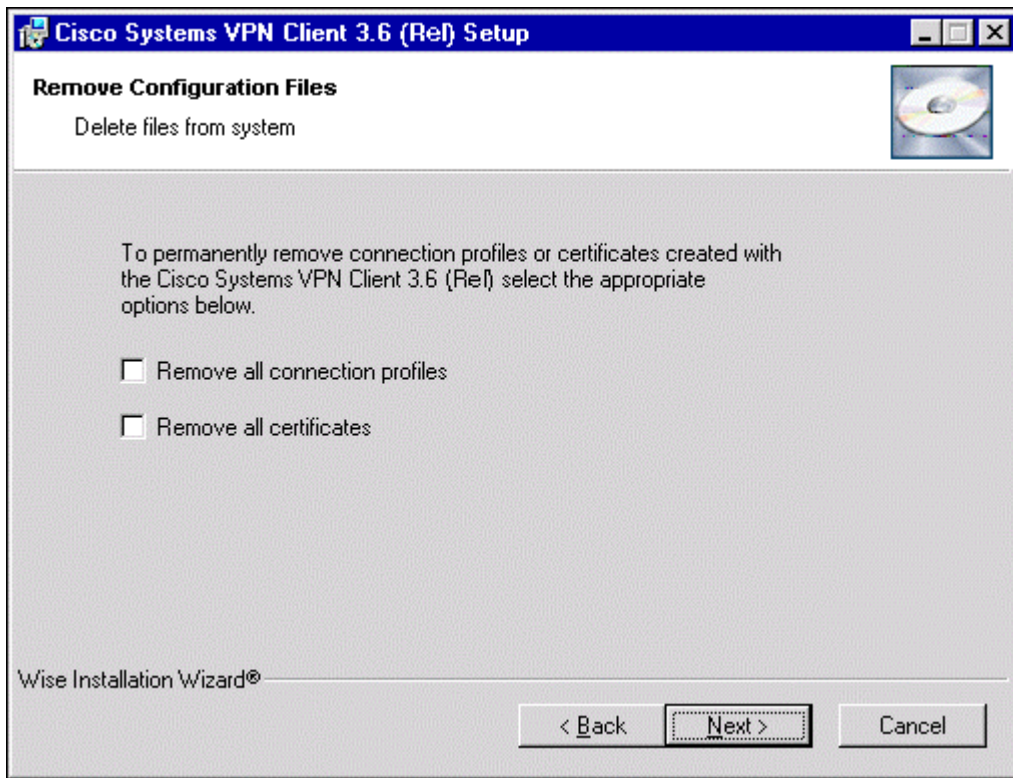
**Figure 2-5: Repairing/Removing VPN Client Applications**



To remove the VPN Client version 3.6 from your system, follow these steps:

**Step 1** Click the **Remove** radio button and then click **Next**. The maintenance wizard displays the Remove Configuration Files dialog. (See Figure 2-6)

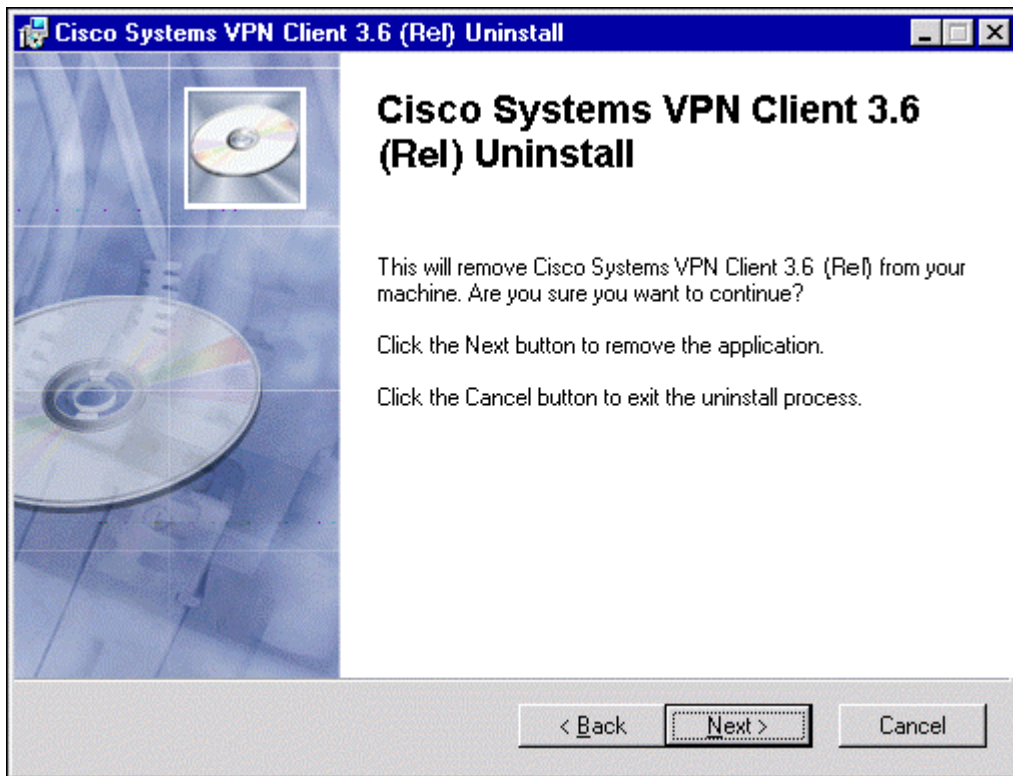
**Figure 2-6: Removing Cisco VPN Client 3.6**



**Step 2** If you want to remove your connection profiles and/or certificates, click the box(es) on the dialog. By default, this wizard does not delete these files. To continue, press **Next**.

The wizard continues and displays the dialog shown in Figure 2-7.

**Figure 2-7: Cisco Systems VPN Client 3.6 Uninstall dialog**



**Step 3** To remove the Cisco VPN Client version 3.6, click **Next**. Or to halt the wizard, click **Cancel**.

When you click Next, the wizard removes the Cisco VPN Client version 3.6. If you elected to remove your connection profiles and/or certificates, these files are also removed; otherwise, these files remain on your system.

When you click Cancel, the wizard prompts you to either Resume or Exit Setup. To stop removal, click **Exit Setup**. If you want to continue the removal, click **Resume**