



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.

Installation Applications

You can install the VPN Client on your system through either of 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:

- A single, Pentium[®]-class processor.
- One of the following operating systems:
 - Microsoft[®]Windows[®] 98, or Windows 98 (second edition)
 - Windows ME
 - Windows NT 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.)
- 50 MB hard disk space.
- RAM:
 - 32 MB for Windows 98
 - 64 MB for Windows NT and Windows ME
 - 64 MB for Windows 2000 (128 MB recommended)
 - 128 MB for Windows XP (256 MB recommended)
- 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
- 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)
 - Entrust Technologies (www.entrust.com)
 - Microsoft Certificate Services—Windows 2000
 - Netscape (Security)
 - Verisign, Inc. (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 might 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 might 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.

-
- 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**.

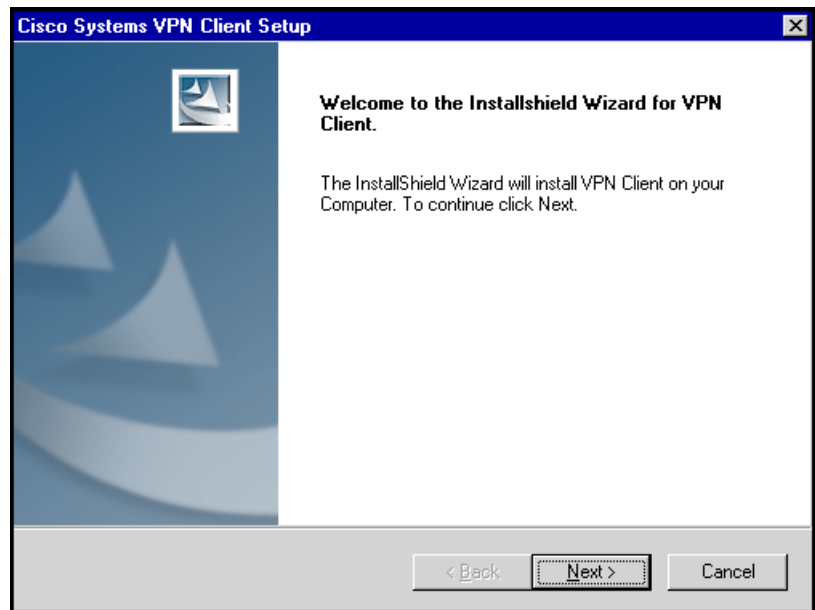


Note

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.

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 either the VPN 3000 Client or the Cisco 5000 VPN Client, it displays a dialog box that asks if you want to uninstall the existing client program. To continue, click **Yes**.

The VPN Client launches the appropriate uninstall wizard: the Cisco VPN Client uninstall wizard to uninstall a previous version of the VPN 3000 Client or the Cisco 5000 VPN Client. Follow the instructions on the uninstall wizard dialog boxes to automatically uninstall the program and reboot.

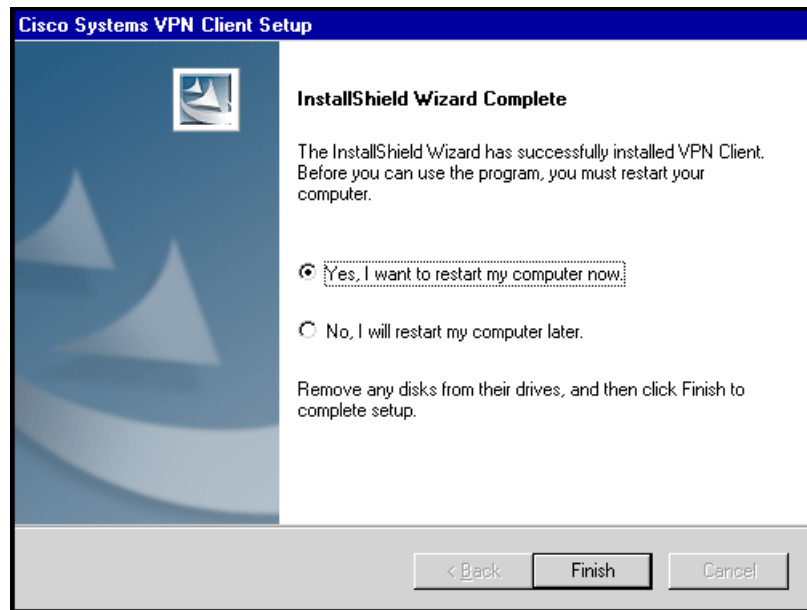
After your system reboots, the Cisco Systems VPN Client Setup wizard resumes.

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.



Note

If you are using the MSI installer, you must have Windows NT-based products such as Windows NT 4.0 (with SP6), Windows 2000, or Windows XP. Installing with MSI also requires administrator privileges.

Windows Installer 2.0 must be installed on a Windows NT or Windows 2000 PC before configuring the PC for a Restricted User with Elevated Privileges (CSCea37900).

To install the VPN Client using MSI, use the following procedure.

-
- 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\Msi\vpnclient_en.exe, where E: is your system's CD-ROM drive.
 - Step 5** Click **OK**.



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.

The program displays the Cisco Systems logo and Microsoft Installer Setup window. Click **Next** to start the installation and then follow the instructions on the dialog boxes.

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 completed, the installer displays a confirmation dialog box.

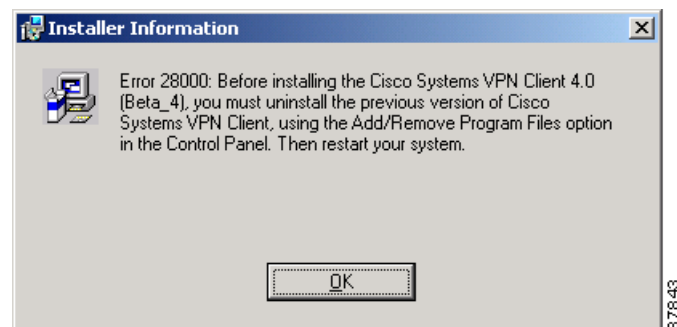
- Step 6** Click **Finish**. MSI prompts you to restart your system.
- Step 7** Click **Yes** to restart your system.



Note If you have not removed a previously installed VPN Client, when you execute the vpnclient_en.exe command or vpnclient_en.msi, an error message displays. See [Figure 2-3](#). You must uninstall the previously installed VPN Client before proceeding with the new installation.

To remove a VPN Client installed with the MSI installer, use the Windows Add/Remove Programs control panel. To remove a VPN Client installed with InstallShield, select **Uninstall Client** on the Programs > VPN Client > Uninstall Client menu sequence.

Figure 2-3 Uninstall Error Message

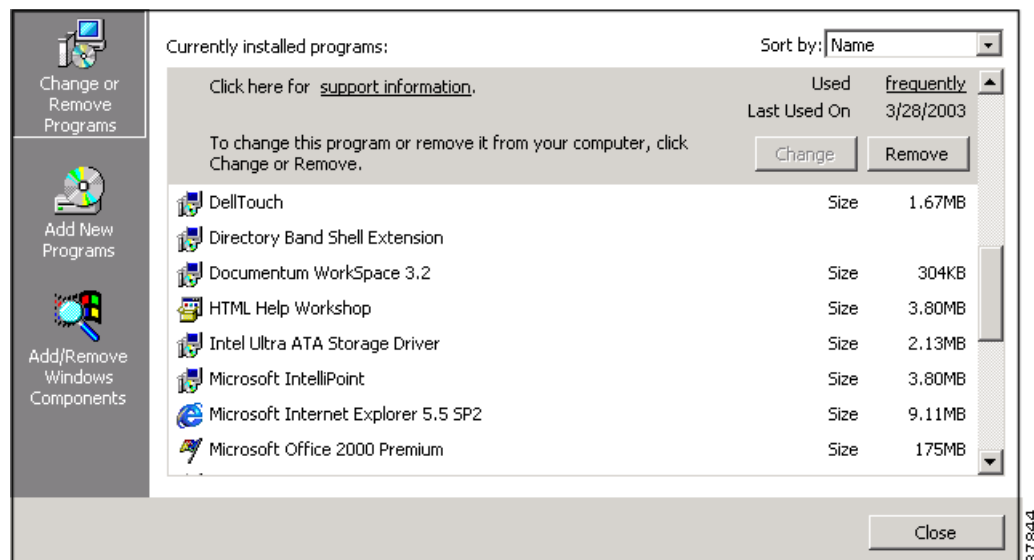


Removing a VPN Client Version Installed with MSI Installer

To uninstall a VPN Client version that was installed with the MSI installer, follow these steps:

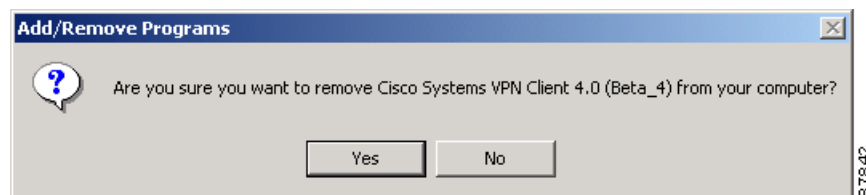
- Step 1** Double-click the Add/Remove Programs control panel and select Cisco VPN Client. (See [Figure 2-4](#).)

Figure 2-4 Removing Cisco VPN Client



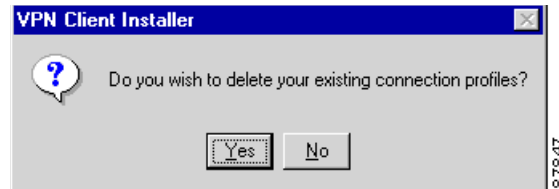
- Step 2** Click Remove. You see a dialog box asking you to confirm that you want to remove the VPN Client from your PC. (See [Figure 2-5](#).)

Figure 2-5 Uninstall Confirmation Dialog Box



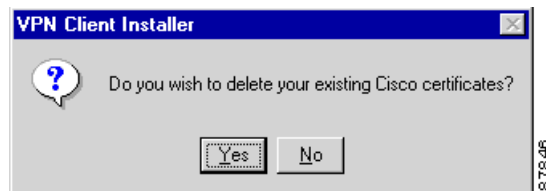
- Step 3** Click **Yes**. The Installer displays a dialog box ([Figure 2-6](#)) asking whether you want to delete your existing connection profiles.
- Step 4** Click **Yes** (the default) if you want to remove your connection profiles or **No** to retain them.

Figure 2-6 Uninstall Dialog Box - Delete Connection Profiles



- Step 5** The wizard displays a dialog box asking whether you want to delete your existing Cisco certificates. (See [Figure 2-7](#).) Click **Yes** (the default) to delete them or **No** to retain them.

Figure 2-7 Uninstall Dialog Box - Delete Certificates



- Step 6** To remove the Cisco VPN Client, click **Next**. Or to halt the wizard, click **Cancel**.
When you respond to this dialog box, the wizard removes the Cisco VPN Client. If you elected to remove your connection profiles and/or certificates, these files are also removed; otherwise, these files remain on your system.
- Step 7** To make these changes take effect, you must restart your computer. When it finishes uninstalling the VPN Client, the wizard asks whether you want to restart your computer now or restart later. Select the appropriate radio button and click **Finish**.
If you select **Restart Now**, the wizard exits and restarts your computer. If you select **Restart Later**, the wizard simply exits.

Automatically Installing a Root Certificate on the VPN Client PC

Some types of authentication, such as mutual or hybrid authentication, require that the VPN Client's PC have a root certificate installed. To have a root certificate automatically installed during installation follow these steps:

-
- Step 1** Place the root certificate in a file named rootcert (without an extension).
- Step 2** Place the rootcert file in your installation directory.
-

What Next?

When the VPN Client software is installed on your PC, to configure it, see "[Configuring and Managing Connection Entries](#)."

