

# About CiscoRemote Plus

---

The CiscoRemote Plus software suite provides applications and software tools for accessing and working with information over your company network and the Internet. To access information, you use a modem (or Integrated Services Digital Network [ISDN] adapter) and telephone to establish a connection between your computer and your company's network or the Internet. For example, you can access your company's file servers, printers, and database servers from a PC in a remote location as though you were in your office. After making a phone connection to your company's network using a modem, you can perform the same tasks as you normally do in your office, using the same applications and commands. If you have access to the Internet, you can also use the CiscoRemote Plus Internet applications to access the wide variety of information and resources available on the Internet. You can use CiscoRemote Plus on computers running Microsoft Windows 3.x, Windows for Workgroups, or Windows 95.

With CiscoRemote Plus, you can access your company's Microsoft and Novell file and print servers from a location outside your company offices. After establishing a connection, you can access information on your company's network as if your computer were directly connected. Using Timbuktu Pro, you can even control other computers on the network from an outside location. Applications such as File Transfer Protocol (FTP) Server and Trivial File Transfer Protocol (TFTP) Server allow network users to access a remote computer over the network.

CiscoRemote Plus also provides easy-to-use applications for connecting to the Internet, browsing information, sending electronic mail, and reading and exchanging information with newsgroups. You can transfer files using the FTP application and access remote computers using Telnet terminal emulation software. You can also determine when a specific server is accessible over the network using an application called Ping.

## **What's Included?**

CiscoRemote Plus includes the following software:

- Transmission Control Protocol/Internet Protocol (TCP/IP) software and internet applications from Network Telesystems, Inc.
- NetWare client (including Internetwork Packet Exchange/Sequenced Packet Exchange (IPX/SPX) protocols)
- Point-to-Point Protocol (PPP) and Serial Line Internet Protocol (SLIP)
- Net Launcher for managing dial-up and connection to remote networks
- Netscape Navigator from Netscape Communications Corporation for browsing and exchanging information over the Internet
- BeyondMail from Banyan Systems for sending and receiving electronic mail
- Timbuktu Pro from Farallon Computing Inc., for controlling and exchanging information with other computers remotely
- FarSite for document conferencing, sharing information on multiple computer screens at once
- News Reader to access USENET newsgroups
- FTP for transferring files
- FTP Server to allow other users access to data on your computer
- TFTP Server to allow intelligent devices, such as Cisco routers, to access data on your computer (used primarily by network administrators)
- Telnet to allow your computer to connect to remote hosts and act like a directly attached terminal
- TN3270 terminal emulation to allow your computer to connect to remote IBM mainframes and act like a 3270-type terminal
- Ping for testing network connections (used primarily by network administrators)
- Windows Sockets and NetBIOS application programming interfaces (APIs)
- NBUTIL for configuring NetBIOS over TCP/IP connections
- Connect for connecting to remote networks using advanced options

## Before You Begin

Before you install the CiscoRemote Plus software, be sure your PC meets the minimum system requirements. (See the next section “Before You Begin.”) You must also gather setup information for connecting to your company’s network or Internet service.

## System Requirements

This section describes the minimum system requirements for CiscoRemote Plus.

### Hardware

The following are the minimum hardware requirements:

- PC with a 386, 486, or Pentium processor or equivalent
- 8 MB of RAM
- 25 MB of available hard disk space for a full installation
- 9600-baud modem (14400-baud modem or faster highly recommended)

### Software

The following are the minimum software requirements:

- DOS 5.0 or later (DOS 6.0 or later is recommended)
- Windows 3.1, Windows for Workgroups 3.11, or Windows 95

## Required Setup Information

To set up your CiscoRemote Plus software, you must supply information about your company’s network or Internet service. For example, you must know the telephone number for accessing the network, and other connection information such as the domain name and IP address. You may also need to supply information about your modem and telephone dialing procedures for contacting the network.

## Before You Begin

---

### Required Network Information

Contact your company's network administrator or Internet service provider to determine what information in Table 1-1 you will need to log in remotely. (You may not need all the information listed.) Record the information in the table for later use during the installation and setup of the software.

---

**Note** You should also record this information in the CiscoRemote Plus important information card included with your CiscoRemote Plus package. Carry the card with you as a convenient reference source for the information you need to establish a remote connection.

---

**Table 1-1** Required Network Information

Required Setup Information	Enter Information
IP address for your PC	
Subnet mask	
Gateway IP address	
Domain name	
Domain name server IP address	
POP3 <sup>1</sup> user ID	
POP3 server name	
SMTP <sup>2</sup> server name	
Telephone number(s) of remote site	
Does your LAN provide a DNS <sup>3</sup> service?	
Does your LAN use BOOTP or DHCP <sup>4</sup> to assign addresses?	

1. POP3 = Post Office Protocol version 3.
2. SMTP = Simple Mail Transfer Protocol.
3. DNS = Domain Name System.
4. DHCP = Dynamic Host Configuration Protocol.

Required Modem Information

Gather the following information about your modem or ISDN adapter and the telephone dialing procedures.

Table 1-2      Local Modem or ISDN Adapter Information

Required Setup Information	Enter Information
Modem communication port number, or Interrupt and IO <sup>1</sup> addresses of the modem (rarely necessary)	
Maximum speed of your modem	
Your local area code	
Special phone dialing sequences needed for dialing outside lines; for example, dialing 9 for an outside line or dialing *70 to disable call waiting (optional)	
SPID <sup>2</sup> and directory number, ISDN switch type, and channel type, if you are using an ISDN adapter	

1. IO = input/output.  
2. SPID = Service Profile Identifier.

About Remote Access

Before you can make a remote connection, you need to have phone access to your company’s network or an Internet service provider. You’ll need a modem, the network access telephone number, a user name, and perhaps a password. You use the Net Launcher application to record your telephone connection information and to establish a connection.

When you connect with your company’s network, the application connects you as a valid user of the network. You can then use the facilities of your company’s network with normal access to file servers, printers, and other network applications.

## About Remote Access

---

If your company's network provides access to the Internet, you can use Netscape Navigator, BeyondMail, News Reader, and other Internet applications to access information on the Internet.

If an Internet connection is not available via your company's network, you can open an account with an Internet service provider. The service provider will provide you with an access phone number, a username, and a password. The service provider may also provide you with additional connection information, such as domain name and IP address information required for its service. Your provider must offer either PPP or SLIP services, which are required by CiscoRemote Plus applications to make a connection.

With CiscoRemote Plus, you can connect to Novell NetWare and Microsoft Windows networks, including Windows for Workgroups and LAN Manager. For more information about setting up for remote access to Novell NetWare networks or Microsoft Windows networking, see the appendix "Network Operating System Configuration" before installing the software.

## Internet Access

Most of the CiscoRemote Plus applications are designed for use with the Internet. To use these applications, you must install TCP/IP on your computer. You can install TCP/IP with support for remote access, local access (direct LAN access), or both.

---

**Note** You can run any application that uses the standard Windows Sockets (Winsock) interface with the CiscoRemote Plus TCP/IP stack.

---

Your company's LAN or an Internet service provider must also provide a gateway to the Internet before you can access Internet information. Check with your network administrator to find out whether Internet service is available. However, you can run the CiscoRemote Plus applications on any TCP/IP network without an Internet gateway.

## About Direct LAN Access

You can also use your CiscoRemote Plus software on a computer directly connected to your company network. CiscoRemote Plus supports direct access to your LAN for PC's connected to a network by Ethernet and Token Ring network adapters. For example, you can install the CiscoRemote Plus local access software on a portable computer and use the software when your computer is connected directly to your office network—and use the remote access software when you're away from the office. If you'll be setting up the CiscoRemote Plus software for use directly with your LAN, see your network administrator for information about your network.

## About Direct LAN Access

---