

Installing IP/TV Content Manager

This chapter describes the procedure for installing IP/TV Content Manager. Topics include:

- System requirements
- Information you need before beginning the installation
- Installing IP/TV Content Manager from CD-ROM
- Installing IP/TV Content Manager over the network
- Uninstalling IP/TV Content Manager

System Requirements

The minimum hardware and software requirements for the computer on which you install IP/TV Content Manager are as follows:

- Minimum 266-MHz Pentium processor
- Minimum 64 MB RAM (128 MB preferred)
- VGA monitor
- Microsoft Windows NT 4.0 Workstation or Server system software
- Microsoft Windows NT Service Pack 4 (Service Pack 5 preferred)

The IP/TV Content Manager includes and automatically installs the Java Web Server, and only runs on this Web server. The Java Web Server must be dedicated to the IP/TV Content Manager.

The IP/TV Content Manager also includes and automatically installs the run-time version of Microsoft Access 97, the application used to manage the IP/TV Content Manager database, and Perl for Win32 from ActiveState Tool Corporation.

Before You Begin

The IP/TV Installation CD-ROM contains the installation programs for IP/TV Viewer, IP/TV Server, and the IP/TV Content Manager. To install any of the IP/TV products, you must have purchased a license from Cisco Systems, and you may install only as many copies of the software as you have licenses.

Note If the Java Web Server service is already running, this procedure requires you to stop and restart it. We recommend that you install IP/TV Content Manager when it inconveniences the fewest users.

Before you start the installation procedure, follow these steps:

- Step 1** Locate your IP/TV Content Manager registration card. You need the serial number during installation.
- Step 2** If any of the following services are installed and running, stop the services:
- Cisco IP/TV Content Manager
 - Cisco FTP Service
 - Cisco Syslog Service
 - Java Web Server
- Step 3** Use the uninstall utility to uninstall any earlier versions of IP/TV Content Manager or IP/TV Program Guide. (See the “Uninstalling the IP/TV Content Manager” section later in this chapter for information.)

Step 4 If you have previously installed another FTP Service on this server, set its startup status to Disabled. All FTP servers use the same well-known port for communication, so you cannot run more than one FTP server at a time on a given machine. The IP/TV Content Manager installation includes and installs the Cisco FTP Server.

Step 5 Determine which port the IP/TV Content Manager will use. The default is port 80. If you want to run another Web server on the same machine, you must either reconfigure the other Web server to use a port other than 80, or reconfigure the IP/TV Content Manager during installation.



Caution By default, IP/TV Viewer communicates with the IP/TV Content Manager on port 80. If you change the port number when installing the IP/TV Content Manager, you must reconfigure each IP/TV Viewer accordingly.

Installing IP/TV Content Manager

As you install the IP/TV Content Manager, you are guided through the following installation sections:

- 1 Beginning the Installation
- 2 Installing Java Web Server
- 3 Installing Perl
- 4 Installing Cisco FTP Server
- 5 Completing the IP/TV Content Manager installation

Beginning the Installation

Follow these steps to begin installing IP/TV Content Manager:

- Step 1** Confirm that you have enough privilege to update the Windows registry. Otherwise, Setup will display an error message and exit.
- Step 2** Exit any Windows programs before proceeding.

- Step 3** Insert the IP/TV CD-ROM into the CD-ROM drive.
- If your CD-ROM drive is configured with Auto Insert Notification enabled, the IP/TV Master Setup window appears automatically.
- If Auto Insert Notification is not enabled, click **Start>Run** and enter *drive letter:\setup* in the Run dialog box. After a moment, Setup displays the Master Setup window.
- Step 4** Click **Install IP/TV** in the Master Setup Window, then click **Content Manager**.
- Step 5** Click **Yes** if you agree to abide by the terms of the IP/TV license agreement.
- The Welcome to IP/TV Content Manager Setup window appears.
- If you do not have enough privilege to update the registry, Setup displays an error message and exits. Log out and log back in with a user account that has Administrator privilege, then begin the installation procedure again.
- Step 6** If you still have programs running, click **Cancel** to exit Setup, quit the programs, and restart Setup at Step 3. Otherwise, click **Next**.
- Step 7** If Setup finds an earlier version of the IP/TV Content Manager or the IP/TV Program Guide installed, you are prompted to uninstall the application before proceeding. Click **Cancel** to exit Setup, uninstall the earlier version of the IP/TV Content Manager, and restart Setup at Step 3.
- Step 8** Setup reminds you to stop the Java Web Server before installing the IP/TV Content Manager. Click **Yes** to continue.
- Step 9** Enter your name, your company's name, and the serial number from the IP/TV registration card. Click **Next**.

Installing Java Web Server

The installation of Java Web Server begins automatically once the previous phase of the installation completes. Follow these steps:

- Step 1** The Setup program checks for the presence of Java Web Server 1.1.3.
- If Setup does not find Java Web Server 1.1.3, Setup prepares to install it.
 - If Setup finds Java Web Server 1.1.3, Setup asks if you want to reinstall it.

Click **Yes** to install the Java Web Server.

The Information Window recommends that you do not install the Java Web Server in the default directory, but instead use the **Browse** button to select the directory C:\JavaWebServer.

- Step 2** The Welcome to Java Web Server Setup window appears, and the Setup program begins installing Java Web Server. Click **Next**.
- Step 3** Click the **Browse** button to select C:\JavaWebServer. Click **OK**, then click **Next**.
- Step 4** If the directory exists and is not empty, Setup asks if you want to overwrite the directory's contents. Click **Yes** to continue.
- Step 5** The Setup program begins copying program files. Click **Yes** when asked if you want the Java Web Server to start up automatically when you reboot your system.
- Step 6** Click **Finish** to complete the Java Web Server installation.

Installing Perl

The installation of Perl begins automatically once the previous phase of the installation completes. Follow these steps:

- Step 1** The Setup program checks for the presence of Perl.
- If Setup does not find Perl, Setup prepares to install it. Click **OK** to continue.
 - If Setup finds Perl, Setup asks if you want to reinstall Perl. Click **OK**.

Note If you are upgrading from an earlier version of the IP/TV Content Manager, you must reinstall Perl, even if the same version of Perl is already running on your machine.

- Step 2** In the Perl Destination Directory window, accept the default (C:\perl5) or browse to another destination directory. We recommend that you accept the default. Click **Next**.
- Step 3** Click **Back** to make any necessary changes to the options you have selected so far or click **Next** to continue the installation. Setup copies Perl files, Java Web Server files, and IP/TV Content Manager files from the CD-ROM to your hard drive.

Installing Cisco FTP Server

The installation of Cisco FTP Server begins automatically once the previous phase of the installation completes. Follow these steps:

Note You must disable any other FTP service first.

- Step 1** The Cisco FTP Server Welcome window appears. Click **Next**.
- Step 2** Specify whether the FTP Service will automatically start each time the computer is powered up. By default, the option is selected. Click **Next**.
- Step 3** Browse to a different destination directory or accept the default. We recommend that you accept the default. Click **Next**.
- Step 4** Enter the name of the program manager group or accept the default. We recommend that you accept the default. Click **Next**.
- Step 5** Click **Back** to make any necessary changes to the options you have selected so far or click **Next** to continue the installation.
- Step 6** Click **Finish** to complete and exit the Cisco FTP Server installation.

Completing the IP/TV Content Manager Installation

The installation continues automatically once the previous phase of the installation completes.

An MS-DOS command prompt window opens, and runs a configuration program that modifies Java Web Server configuration files and Perl files to reflect the paths to the Web server root directory and document root directory.

If port 80 is in use by another Web server, the command prompt window states that the Java Web Server must be configured with a TCP port, and asks you to choose port 80 or enter another port number.

Four more windows open, one after another, and start the IP/TV Content Manager and Cisco Syslog services.

An MS-DOS window opens, and states that the database is being updated from Version 2.0 to Version 3.0. After this window closes, follow these steps:

- Step 1** In the Setup Complete screen, choose to view the IP/TV Content Manager Readme file now or later. The Readme file contains some basic information about IP/TV Content Manager, as well as updated information that could not be included in this guide. Click **Finish**.
- Step 2** Decide whether to restart your computer now or later. The IP/TV Content Manager is not fully operational until you restart your computer. Click **Finish**.
- Step 3** Restart your computer.

To access the IP/TV Content Manager, double-click the IP/TV Content Manager shortcut on the IP/TV Content Manager desktop, or go to the following URL from a browser on another computer:

`http://<contentmanagerhost>/`

where *contentmanagerhost* is the DNS name or IP address of the IP/TV Content Manager.

After installation, we recommend that you do the following:

- Set defaults and preferences for your site. See the “Setting IP/TV Content Manager Defaults and Preferences” section in the “Setting Up IP/TV Content Manager” chapter for information.
- Define clusters, servers, and proximity groups. See the “About Proximity Management” section in the “Administering the IP/TV Content Manager” chapter for information.

After you set Preferences, it may take up to 10 minutes before the IP/TV Content Manager Service begins using the updated Preferences file. If you do not want to wait that long for the new Preferences settings to take effect, stop and restart the Cisco IP/TV Content Manager service.

Installing IP/TV Content Manager over the Network

If you prefer, you can install the IP/TV Content Manager software from a shared network drive. For example, if you plan to run multiple IP/TV Content Managers in your network, it may be more convenient to install the software from a central location rather than carry the IP/TV Installation CD-ROM from machine to machine.

Note To install any of the IP/TV products, you must have purchased a license from Cisco Systems, and you may install only as many copies of the software as you have licenses.

Network installation takes place in two steps:

- 1 Copying an installation image from the IP/TV Installation CD-ROM to a shared network drive.
- 2 Connecting to the shared drive and installing IP/TV Content Manager over the network.

Copying the Installation Image

Follow these steps to copy an installation image to a shared drive:

Step 1 Boot the machine on whose shared network drive you want to place the installation image.

Step 2 Insert the IP/TV Installation CD-ROM into the CD-ROM drive.

If your CD-ROM drive is configured with Auto Insert Notification enabled, the IP/TV Master Setup window appears automatically.

If Auto Insert Notification is not enabled, click **Start>Run** and enter *drive letter:\setup* in the Run dialog box. After a moment, Setup displays the Master Setup window.

Step 3 Click **Setup Network Install** on the Master Setup window.

Step 4 Click **No** when asked if you want to install IP/TV Viewer or IP/TV Server.

Step 5 Click **Yes** when asked if you want to install IP/TV Content Manager.

- Step 6** Browse to a different destination directory or accept the default (**c:\netcm**). We recommend that you accept the default. Click **Next**.
- Step 7** Setup copies the IP/TV Content Manager installation image to the destination directory, then displays a completion message. Click **OK**.
- Step 8** In the IP/TV Master Setup window, click **Exit**.
- Step 9** Verify that the destination directory is shared.

Network Installation

Follow these steps to install IP/TV Content Manager software over the network from a shared drive.

- Step 1** See the “Before You Begin” section earlier in this chapter for guidelines on actions you must take before beginning the installation.
- Step 2** Boot the computer on which you plan to install the software.
- Step 3** Connect to the shared drive containing the installation image, either by mounting the shared drive or using Network Neighborhood.
- Step 4** Browse to the netcm directory (or the directory you specified when copying the installation image).
- Step 5** Double-click the **Setup.exe** icon. The IP/TV Content Manager Setup program begins.
- Step 6** Follow the instructions given in the procedure for installing IP/TV Content Manager from CD-ROM, starting with Step 5 in the “Beginning the Installation” section earlier in this chapter.

Uninstalling the IP/TV Content Manager

During the installation, Setup automatically installs an uninstall utility in the JavaWebServer/cgi-bin/iptv subdirectory. Follow these steps to uninstall IP/TV Content Manager:

- Step 1** If you are running the Java Web Server, stop the Java Web Server before uninstalling the IP/TV Content Manager.
- Step 2** To uninstall the IP/TV Content Manager, click **Start>Programs>Cisco IPTV Content Manager>unInstallSHIELD**.
- Step 3** Follow the instructions given by the uninstall utility.

Note The uninstall utility removes the IP/TV Content Manager, Perl, the Cisco FTP Service, the Java Web Server, and the run-time copy of Microsoft Access 97. It leaves the IP/TV Content Manager's databases and data files untouched. Uninstalling IP/TV Content Manager does not affect already defined programs, file transfers, or recordings.
