About This Guide

This section discusses the objectives, audience, organization, and conventions of this installation and configuration guide.

Document Objectives

This guide explains how to install, configure, maintain, and troubleshoot the hardware, software, and cabling of the router. It also includes instructions for the router ROM monitor and virtual configuration register.

This guide does not provide complete configuration instructions. Refer to the Cisco Internetwork Operating System (Cisco IOS) configuration guides and command references for detailed configuration instructions.

Warranty, service, and support information is in the information packet that shipped with the router.

Audience

This guide is designed for the person responsible for installing, configuring, and maintaining the router. It identifies certain procedures that should be performed only by trained and qualified personnel.

Document Organization

The major sections of this installation and configuration guide are:

- Chapter 1, "Overview," describes the features and specifications of the router.

- Chapter 2, "Preparing to Install the Router," describes safety recommendations, site requirements, network connection considerations, required tools and equipment, and includes the installation checklist.

- Chapter 3, "Installing the Router," discusses mounting the router, installing modules, and making connections to the router console, auxiliary, and network ports.

- Chapter 4, "Configuring the Software," discusses configuring the router using the prompt-driven System Configuration Dialog, configuration mode, or AutoInstall.

- Appendix A, "Maintaining the Router," describes how to add and replace memory.

- Appendix B, "Troubleshooting," discusses troubleshooting the modules and cables, environmental reporting features, problem solving using the light emitting diodes (LEDs), recovering a lost enable password, and recovering software images.

- Appendix C, "Cable Specifications," contains cable and adapter pinouts for the router.

- Appendix D, "ROM Monitor," describes the ROM monitor (bootstrap program).

- Appendix E, "Virtual Configuration Register," describes the virtual configuration register settings, factory default settings, and procedures for changing these settings.

Document Conventions

This publication uses the following conventions to convey instructions and information:

Screen displays use the following convention:

- The ^ symbol represents the control key. For example, the key combination ^D in a screen display means hold down the control key while you press the D key.

Command descriptions use these conventions:

- Commands and keywords are in **boldface** font.
- Variables for which you supply values are in *italic* font.
- Elements in square brackets ([ ]) are optional.
- Alternative but required keywords are grouped in braces ({ }) and are separated by a vertical bar (|).

Examples use these conventions:

- Terminal sessions are in screen font.
- Information you enter is in **boldface screen** font.
- Nonprinting characters are shown in angle brackets (< >).
- Information displayed on the screen is in screen font, with default responses in square brackets ([ ]).

Note Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

Timesaver Means *the action described saves time*. You can save time by performing the action described in the paragraph.

Caution Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Warning Means *danger*. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. (To see translated versions of this warning, refer to the *Regulatory Compliance and Safety Information* document that accompanied the router.)

Document Conventions