# About This Guide

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

## Objectives

This publication will step you through the initial site preparation and installation of the router. Troubleshooting, maintenance procedures, and cable specifications are also provided.

Although minimum software configuration information is provided, it is not meant as comprehensive router configuration instructions. For detailed software configuration information, refer to the Cisco IOS configuration guide and command reference publications. These publications are available on the documentation CD that came with your router or you can order printed copies. Refer to the "Ordering Documentation" section in the "Overview of the Router" chapter for ordering information.

This publication describes a variety of router models that are similar in functionality, but differ in the number of interfaces supported. Some information provided may not apply to your particular router model.

## Audience

This publication is designed for the person installing the router, who should be familiar with electronic circuitry and wiring practices and have experience as an electronic or electromechanical technician.

# Organization

The major sections of this hardware installation and configuration guide are as follows:

- Chapter 1, "Overview of the Router," discusses the features and specifications of the routers, and describes how to obtain technical support and order documentation.

- Chapter 2, "Preparing to Install the Router," discusses environmental requirements, safety recommendations, and describes the various ports and how to prepare for connections between networks and ports.

- Chapter 3, "Installing the Router," includes basic installation information and discusses making connections to your LAN, WAN, and console terminal.

- Chapter 4, "Configuring the Router," discusses how to configure your router using the prompt-driven System Configuration Dialog, configuration mode, or AutoInstall. This chapter also provides some basic information about how to use the Cisco IOS software.

- Appendix A, "Troubleshooting the Router," discusses how to isolate problems and read the LEDs.

- Appendix B, "Maintaining the Router," discusses selected maintenance procedures.

- Appendix C, "Cable Specifications," provides pinouts for the router ports and cables.

# Conventions

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

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 vertical bars ( | ).

Examples use these conventions:

- Terminal sessions and information the system displays are in `screen` font.

- Information you enter is in **`boldface screen`** font.

- Nonprinting characters are in angle brackets (< >).

- Default responses to system prompts are in square brackets ([ ]).

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

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

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

**Warning** This warning symbol means *danger*. You are in a situation that could cause bodily injury. Before you work on any equipment, you must be aware of the hazards involved with electrical circuitry and 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 your router.)

**Conventions**