

About This Manual

This front matter section introduces the *Router Products Configuration and Reference* audience and scope, organization, use, and conventions.

Audience and Scope

This publication addresses the system administrator who will configure and maintain a Cisco gateway, router, or bridge running Release 9.0 and earlier software. (Software changes from previous releases are noted in the release note accompanying this manual.)

Document Organization and Use

The *Router Products Configuration and Reference* provides information about using and configuring the Cisco network servers—use and administration of the system interface, system configuration, and network configuration. This publication and a software release note are included with each Cisco network server system.

To match the multiprotocol, multirouting, and bridging capabilities of the Cisco network server product line, this publication has been divided into parts, contained in which are chapters describing information about a particular task, protocol, or command function. You will find dividers separating this publication into these parts:

- **Part One, Configuring and Managing the Router**, contains an overview of the Cisco router, system startup procedures, information about the system command interpreter, and system configuration procedures. Begin your system configuration process in this part of the manual.
- **Part Two, Configuring Interfaces**, contains chapters that provide information and procedures for configuring the system interfaces. This information includes special configuration techniques, and procedures to examine the interfaces for correct operation. Become familiar with the information in this part of the manual, and refer to it while configuring your Cisco router/bridge for its particular task.

- **Part Three, Configuring Routing**, contains chapters that describe how to configure each Cisco-supported network routing protocol. These protocols include the Apple-Talk, Apollo Domain, Banyan VINES, CHAOSnet protocols, Internet Protocol (IP), ISO Connectionless Network Services (CLNS), Novell IPX, Phase IV DECnet, PUP, and Xerox XNS (including Ungermann-Bass and 3Com). The chapters are arranged in alphabetical order for ease of use. The routing protocols, including IGRP, BGP, RIP, OSPF, and IS-IS, are also discussed.
- **Part Four, Configuring Bridging**, contains a chapter that describes how to configure transparent bridging on the Cisco router/bridges.
- **Part Five, Configuring for IBM Networks**, contains chapters that describe how to configure source-route bridging and source-route transparent (SRT) bridging on Cisco router/bridges, how to configure the SDLC transport and serial-tunneling mechanisms in an IBM local area network, and how to configure Source-Route Transparent/Translational Bridging (SR/TLB). Included also are details about the Local Acknowledgment feature, instructions on managing your source-route bridges with LAN Network Manager, and how to configure SDLLC, Cisco's solution to translating between IBM's SDLC data link protocol for serial lines and ISO's LLC2 data link protocol used over Token Ring networks.
- **Appendixes**, which contain a summary of the access list commands, frame conversions, a technical brief describing regular expressions to use for pattern-matching operations, a list of Ethernet type codes, an ASCII chart, a list of references and recommended readings, and a table listing Cisco's implementation of various X.25 diagnostic codes.
- **Index**, which provides page references to the topics and commands covered in this publication.

Document Conventions

The command descriptions use these conventions:

- Commands and keywords are in **boldface**.
- Variables for which you supply values are in *italics*.
- Elements in square brackets ([]) are optional.
- Alternative but required keywords are grouped in braces ({ }) and are separated by a vertical bar (|).
- A string is defined as a nonquoted set of characters. For example, when setting up a community string for SNMP to "public", do not use quotes around the string or the string will be set to "public".

The samples use these conventions:

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

This publication also uses the following conventions:

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



Caution: Means *reader be careful*. It means that you are capable of doing something that might result in equipment damage or loss of data.

