



About This Manual

The following paragraphs discuss the objectives, audience, and conventions of the *LightStream 2020 Configuration Guide*. They also list related Cisco documentation for the LightStream 2020 multiservice ATM switch (LS2020 switch).

Cisco documentation and additional literature are available on a CD called Cisco Connection Documentation, Enterprise Series. The CD is updated and shipped monthly, so it might be more current than printed documentation. To order the Cisco Connection Documentation, Enterprise Series CD, contact your local sales representative or call Customer Service. The CD is available by itself (as a single CD) and through an annual subscription. You can also access Cisco technical documentation on the World Wide Web, using URL <http://www.cisco.com>.

Note The Cisco Connection Documentation, Enterprise Series CD was previously called UniverCD.

Document Objectives

This configuration guide is a task-oriented manual that tells you how to use a series of configuration programs to configure LS2020 nodes in a network. The manual discusses the various procedures you need to perform and presents equipment settings that are either required or recommended.

Your network should be fully installed before you begin to configure it. See the *LightStream 2020 Installation Guide* for installation instructions.

Audience

The *LightStream 2020 Configuration Guide* is meant for network administrators and operators who configure and maintain LS2020 switches. Readers should be familiar with SunOS and Sun 4 workstation operation. Readers should also understand networking technology and the interfaces used by the devices connecting to their LightStream 2020 network.

Organization

This manual is organized as follows:

- Chapter 1, “Using the Configurator,” provides an overview of the configurator, telling you how to use it and outlining the kinds of functions it performs.

- Chapter 2, “Configuration Basics,” presents the categories of information you must provide during configuration.
- Chapter 3, “Configuration Procedures,” gives the steps needed for building, updating, and backing up a configuration database.
- Chapter 4, “Configuration Attributes,” presents the attributes (parameters) you can set through use of the configurator.
- Appendix A, “Expert Mode,” explains how to access expert mode and how to use the dialog boxes that offer expert mode options.
- Appendix B, “Clocking on the Serial Access Card,” explains how to set bit rates on serial access card ports.

Document Conventions

The following conventions are used to differentiate various types of text:

- Commands and keywords are in **boldface**.
- In interactive examples, user input is in **boldface**.
- In command syntax statements:
 - Parameters (variables for which a specific value is to be typed) are in *italics*.
 - Optional arguments are in square brackets.
 - Alternative arguments are separated by vertical bars, and are grouped within curly braces.

Note Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.



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

Related Documentation

The following is a list of LS2020 manuals and other material relevant to LS2020 users.

- *LightStream 2020 System Overview*
Introduces the LS2020 switch and the Asynchronous Transfer Mode (ATM) technology on which the LS2020 product is based. It describes traffic flow through an LS2020 network and presents key features, such as traffic and network management.
- *LightStream 2020 Site Planning and Cabling Guide*
Provides guidelines you can use as you prepare your site to receive LS2020 hardware. It includes space, environmental and electrical requirements; rack selection guidelines; requirements for the management workstation; and information on cables and connectors.
- *LightStream 2020 Installation Guide*
Tells you how to install and set up LS2020 switches and how to install StreamView management software on your network management workstation.

- *LightStream 2020 Hardware Reference & Troubleshooting Guide*

Describes LS2020 hardware components and tells you how to troubleshoot and diagnose component problems. It also gives procedures for configuring and replacing individual components.

- *LightStream 2020 Configuration Guide*

Provides the information you need to configure LS2020 switches. It describes the configuration tools and the procedures for using them, introduces the configuration database, and defines all configurable attributes and their settings. The guide also provides step-by-step configuration procedures.

- *LightStream 2020 Network Operations Guide*

Presents an overview of network tasks. It introduces the command line interface (CLI) and the graphical user interface (GUI), and it describes GUI-based monitoring procedures. The manual also describes facilities for viewing statistics and collecting traffic data.

- *LightStream 2020 NP O/S Reference Manual*

Discusses the most frequently used LynxOS commands and the bash shell. It also provides a tutorial and reference guide for the vi editor.

- *LightStream 2020 Traps Reference Manual*

Discusses LS2020 traps and outlines the procedures used to determine whether traps will be logged and where they will be viewed. The manual also describes the major SNMP, operational, and informational traps.

- *LightStream 2020 CLI Reference Manual*

Presents the syntax and functions of all CLI commands, describes the LS2020 private MIB, and discusses test and control system (TCS) hub commands.

- *LightStream 2020 Command Line Interface (CLI) Reference Card*

Compactly summarizes the syntax and arguments for all CLI commands.

- LightStream 2020 upgrade procedures and release notes

Upgrade procedures outline steps involved in upgrading software. Release notes describe new features and special considerations (including known software bugs). Release notes and upgrade procedures are provided for both the platform software and the network management software.

Note The upgrade procedures and release notes include important information that was not available when the other documents were printed.

- *Internetworking Terms and Acronyms*

Presents information on internetworking terms and acronyms, including material of interest to users of the LS2020 switch.

- LightStream 2020 online help

The LS2020 CLI and GUI network management tools support online help facilities.

To order these or other Cisco publications, contact your sales representative. (The customer order number for each manual is printed at the bottom of the manual's title page.) Customer service can give you the name of your sales representative if necessary.

Related Documentation

Phone: 1 (800) 553-NETS (6387) or (415) 326-1941

E-mail: customer-service@cisco.com