



About This Manual

This section discusses the objectives, audience, organization, and conventions of the *LightStream 2020 Traps Reference Manual*. It also lists 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 manual describes the traps (error and event messages) generated by the LS2020 switch and explains how they are generated. It provides procedures for setting trap levels, viewing traps, logging traps, and reading and customizing trap logs. The manual also describes all operational, informational, and SNMP traps; each description includes the name of the trap, the trap text, the cause of the trap, and possible user actions.

Audience

The *LightStream 2020 Traps Reference Manual* is intended for anyone who operates or manages a LightStream 2020 network.

Users of the LightStream 2020 document set are expected to have a general understanding of basic data communications concepts, some knowledge of UNIX, and a familiarity with the interfaces used by the devices connected to their LightStream 2020 network.

It is recommended that you have a working knowledge of TCP/IP networks and protocols. For more information about TCP/IP networks, refer to *Internetworking with TCP/IP, Volume 1, Principles, Protocols, and Architecture*, by Douglas E. Comer (Prentice-Hall Inc., 1991, ISBN 0-13-468505-9).

Document Organization

This manual is organized as follows:

- Chapter 1, “About LightStream 2020 Traps,” presents an overview of LS2020 traps.
- Chapter 2, “Managing LightStream 2020 Traps,” explains how to change the way traps are reported and where they are displayed.
- Chapter 3, “SNMP Traps,” describes the SNMP traps generated by the LS2020 switch.
- Chapter 4, “Operational Traps,” describes the operational traps generated by the LS2020 switch.
- Chapter 5, “Informational Traps,” describes the informational traps generated by the LS2020 switch.

Document Conventions

The following conventions are used for different types of text:

- Commands and keywords are in **boldface**.
- Screen output appears in `screen` font.
- In interactive examples, user input is in **boldface**.
- In command syntax statements
 - Variables that you must replace with specific values are surrounded by angle brackets (< >).
 - Optional arguments are surrounded by square brackets ([]).
 - Alternative arguments are separated by vertical bars and are grouped within curly brackets({}).
- Names of keys on the keyboard are indicated with initial caps; for example, the Tab key.
- The Control key is indicated by a caret preceding a letter; for example, ^A means Control-A.

Note Wherever appropriate in the body of this document, a “Note” serves as a flag, calling your attention to helpful information or to references to related material not otherwise incorporated into the document.



Caution This construct in the body of the document advises you *to be careful*, alerting you to avoid an action that could result in equipment damage or loss of data.



Warning This construct in the body of the document warns you of *danger*, alerting you to a situation that could cause bodily injury. Before working on any equipment, you must be aware of the hazards associated with electrical circuitry; also, you should be familiar with standard practices for accident prevention.

Related Documentation

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

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