



# About This Manual

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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 enterprise ATM switch.

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## Document Objectives

This manual describes the traps (error and event messages) generated by the LightStream 2020 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; descriptions include the name of each trap, 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 connecting to their LightStream 2020 network.

It is recommended that you have a working knowledge of TCP/IP networks. For more information about TCP/IP networks, refer to *Internetworking with TCP/IP, Volume 1, Principals, 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 LightStream 2020 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 LightStream 2020 switch.
- Chapter 4, “Operational Traps,” describes the operational traps generated by the LightStream 2020 switch.
- Chapter 5, “Informational Traps,” describes the informational traps generated by the LightStream 2020 switch.

## Document Conventions

The following conventions distinguish 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 surrounded by square brackets, e.g. the [Tab] key.
- The control key is indicated by a caret preceding a letter: ^A means [Control]-A.

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

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**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, you must be aware of the hazards involved with electrical circuitry and familiar with standard practices for preventing accidents.

## LightStream 2020 Documentation

The following is a list of Cisco LS2020 documents:

- *LightStream 2020 System Overview*

This overview introduces the LightStream 2020 switch and the Asynchronous Transfer Mode (ATM) technology on which the LightStream 2020 product is based. It describes the traffic flow through a LightStream 2020 network. In addition, it describes key features, such as traffic and network management.

- *LightStream 2020 Site Planning and Cabling Guide*

This guide tells you how to prepare your site to receive LightStream 2020 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*

This guide tells you how to install and set up LightStream 2020 switches and how to install LightStream 2020 management software on your network management workstation.

- *LightStream 2020 Hardware Reference and Troubleshooting Guide*

This guide provides a detailed description of LightStream 2020 hardware and tells you how to diagnose hardware problems and how to replace faulty hardware components.

- *LightStream 2020 Configuration Guide*

This guide provides the information you need to configure LightStream 2020 switches. It provides a functional overview of the configuration programs. It describes the configuration database and gives detailed information on all configurable attributes and their settings. The guide also provides step-by-step configuration procedures.

- *LightStream 2020 Network Operations Guide*

This guide is a task-oriented book that tells you how to operate a network of LightStream 2020 switches. The guide presents an overview of network operations tasks, describes the command line interface (CLI), and presents procedures for performing monitor and control tasks such as displaying the status of nodes, cards and ports, viewing statistics, and creating collections of traffic data.

- *LightStream 2020 NP O/S Reference Manual*

This manual provides detailed descriptions of the most frequently used LynxOS commands and of the bash shell. It also provides a tutorial introduction and reference guide to the vi editor.

- *LightStream 2020 Traps Reference Manual*

This manual presents an overview of LightStream 2020 traps and how they are generated by the LightStream 2020 switch. It provides the procedures for managing trap reporting, such as setting trap levels, enabling/disabling individual traps, and determining where the traps are displayed. It also describes the SNMP, operational, and informational traps, including trap name, text, cause and user response.

- *LightStream 2020 CLI Reference Manual*

This manual provides detailed descriptions of the syntax and functions of all CLI commands. It also describes the LightStream 2020 private MIB.

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

The reference card compactly summarizes the syntax and arguments of CLI commands.

- *LightStream 2020 Release Notes*

The release notes provide a software upgrade procedure and describe new features and special considerations, including known software bugs.

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**Note** The release notes contain important information that was not available when the other documents were printed.

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- *LightStream 2020 Online Help*

The LightStream 2020 command line interface (CLI) and configuration program both support online help facilities.

- *Internetworking Terms and Acronyms*

This guide is a glossary of terms and acronyms used in the field of internetworking, including material of interest to users of the LightStream 2020 switch.

To order these publications, contact your sales representative. (The Customer Order Number for each manual is located at the bottom of the title page.) Customer Service can provide you with the name of your sales representative if necessary.

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