About This Guide

This manual has been written for the network manager interested in managing a Catalyst 2100 or Catalyst 2800 using a standard SNMP-based network-management application. The manual describes the standard MIB objects and MIB object extensions supported by Catalyst 2000 switches and how to configure your Catalyst 2000 switch for in-band management. It is assumed that readers of this manual are well-versed in the concepts and terminology of SNMP.

Chapter Contents

The manual is organized as follows:

"Introduction" describes supported TCP/IP protocols and how to configure a Catalyst 2000 switch for SNMP. It also lists the supported MIB objects, their functions, and the traps generated by the Catalyst 2000 switch.

"Catalyst 2000 MIB Extensions" describes how to configure Catalyst 2000 MIB extension groups.

"Catalyst 2800 Module MIB Objects" describes how to configure the module MIB group used to manage the modules in the Catalyst 2800 expansion slots.

"RFC-1493: Bridge MIB Objects" describes the bridge MIB objects and includes those parameters used by the 802.1d Spanning-Tree Protocol.

"FDDI-SMT73 MIB Objects" describes how to use in-band management to configure and manage the Catalyst 2800 FDDI modules.

"RFC-1317: RS-232 MIB Objects" describes how to configure the RS-232 port using the supported MIB objects.

"MIB Installation" describes how to configure Catalyst 2000 MIB extensions for NMS, SunNet Manager and HP OpenView environments.

Related Publications

Catalyst 2100 User Guide

Catalyst 2800 User Guide

Document Conventions

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

Command descriptions use these conventions:

- Commands and keywords are in **boldface** font.

- Arguments for which you supply values are shown in *italics*.

- Elements in square brackets ([ ]) are optional.

- Alternative or optional keywords are shown in bold and grouped in square brackets ([ ]) and separated by a vertical bar (|).

- Required keywords are grouped in angle brackets (< >) and separated by a vertical bar (|).

Examples use these conventions:

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

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

Notes, cautions, and warnings use the following conventions and symbols:

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

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

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