About This Manual

This manual has been written for the network manager interested in managing a Catalyst 2820 or 1900 using a standard SNMP-based network-management application. The manual describes the standard MIB objects and MIB object extensions supported by Catalyst 2820 and 1900 switches and how to configure your switch for in-band management. It is assumed that readers of this manual are well-versed in the concepts and terminology of SNMP.

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 both as a single CD and as an annual subscription. You can also access Cisco technical documentation on the World Wide Web URL http://www.cisco.com.

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

Chapter Contents

The manual is organized as follows:

"Introduction" describes supported TCP/IP protocols and how to configure a Catalyst 2820 or 1900 switch for SNMP. It also lists the supported MIB objects, their functions, and the traps generated by the Catalyst 2820 or 1900 switch.

"Catalyst 2820 and 1900 MIB Extensions" describes how to configure Catalyst 2820 or 1900 MIB extension groups.

"Catalyst 2820 Module MIB Objects" describes how to configure the module MIB group used to manage the modules in the Catalyst 2820 expansion slots.

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

"FDDI MIB Objects (SMT73)" describes how to use in-band management to configure and manage the Catalyst 2820 FDDI modules.

"EIA/TIA-232 MIB Objects (RFC 1317)" describes how to configure the EIA/TIA-232 port using the supported MIB objects.

Related Publications

Catalyst 2820 and Catalyst 1900 User Guide

Catalyst 2820 Modules 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.

Document Conventions