

About This Guide

This guide helps you understand the Enterprise Edition software for the Catalyst 2820 series and Catalyst 1900 series switches, hereafter referred to as the Catalyst 2820 and the Catalyst 1900 switches.

If you are using the Catalyst 2820 switch in an emulated LAN (ELAN), you should use this guide with the Cisco IOS Release 11.3 documentation set for routers.

Who Should Read This Guide

The *Catalyst 2820 Series and Catalyst 1900 Series Enterprise Edition Software Configuration Guide* is a document for experienced network administrators who are responsible for configuring and maintaining the Catalyst 2820 and Catalyst 1900 switches.

Related Publications

For more information about related products, refer to the following Cisco Systems publications:

- *Catalyst 1900 Series Installation and Configuration Guide*
- *Catalyst 2820 Series Installation and Configuration Guide*
- *Catalyst 2820 ATM Modules Installation and Configuration Guide*
- *Catalyst 2820 Modules User Guide*

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM, a member of the Cisco Connection Family, is updated monthly. Therefore, it might be more up to date than printed

documentation. To order additional copies of the Documentation CD-ROM, contact your local sales representative or call customer service. The CD-ROM package is available as a single package or as an annual subscription. You can also access Cisco technical documentation on the World Wide Web URL <http://www.cisco.com>, <http://www-china.cisco.com>, or <http://www-europe.com>.

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How This Guide Is Organized

This guide includes the following chapters:

- Chapter 1, “Overview,” contains model and feature descriptions of the Catalyst 2820 and Catalyst 1900 series switches. It also describes the conventions and Main Menu of the enhanced software.
- Chapter 2, “Virtual LANs,” contains procedures for virtual LAN (VLAN) configuration and describes VLAN concepts.
- Chapter 3, “Cisco Group Management Protocol,” contains procedures for Cisco Group Management Protocol (CGMP) configuration and describes CGMP concepts.
- Chapter 4, “Remote Monitoring,” explains the functionality of Remote Monitoring (RMON).

When appropriate, chapters contain both task-oriented and conceptual information. The conceptual information typically follows the task-oriented information. If you are experienced with VLANs, CGMP, or RMON, you can use the task tables in the respective chapters without referring to the conceptual information. However, if you are inexperienced with these technologies, you might want to read the conceptual information in each section before beginning your configuration.

Conventions Used In This Guide

This guide uses the following conventions:

- The word *port* refers to both ports and interfaces.
- These meanings apply to Note and Caution:

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



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

Conventions Used In This Guide
