Preface

Audience

This guide is for the networking professional using the Cisco IOS command-line interface (CLI) to manage the Catalyst 3750 Metro switch, hereafter referred to as *the switch*. Before using this guide, you should have experience working with the Cisco IOS commands and the switch software features. Before using this guide, you should have experience working with the concepts and terminology of Ethernet and local area networking.

Purpose

The Catalyst 3750 Metro switch is supported by a set of enterprise-class features, including Layer 2+ features such as access control lists (ACLs) and quality of service (QoS) and Layer 3 features such as IP unicast routing, IP multicast routing, and fallback bridging. It also includes features for the service provider, including multiprotocol label switching (MPLS), Ethernet over MPLS (EoMPLS), hierarchical QoS, and 802.1Q tunneling.

This guide provides the information you need about the commands that have been created or changed for use with the Catalyst 3750 Metro switches. For information about the standard Cisco IOS Release 12.2 commands, see the Cisco IOS documentation set available from the Cisco.com home page by selecting **Service and Support > Technical Documents**. On the Cisco Product Documentation home page, select **Release 12.2** from the Cisco IOS Software drop-down list.

This guide does not provide procedures for configuring your switch. For detailed configuration procedures, see the software configuration guide for this release.

This guide does not describe system messages that you might encounter. For more information, see the system message guide for this release.

For documentation updates, see the release notes for this release.

Conventions

This publication uses these conventions to convey instructions and information:

Command descriptions use these conventions:

- Commands and keywords are in **boldface** text.
- Arguments for which you supply values are in *italic*.

- Square brackets ([ ]) means optional elements.

- Braces ({ }) group required choices, and vertical bars (|) separate the alternative elements.

- Braces and vertical bars within square brackets ([{ | }]) mean a required choice within an optional element.

Interactive examples use these conventions:

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

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

- Nonprinting characters, such as passwords or tabs, are in angle brackets (< >).

Notes, cautions, and warnings use these 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.

Filtering show Command Output

The **show** commands have optional output modifiers to filter the command output.

- | **begin**—Display begins with the line that matches the *expression*.

- | **exclude**—Display excludes with the line that matches the *expression*.

- | **include**—Display includes with the line that matches the *expression*.

- *expression*—Expression in the output to use as a reference point.

Expressions are case sensitive. If you enter | **exclude output**, the lines that contain *output* are not displayed, but the lines that contain *Output* are displayed.

Related Publications

These documents provide complete information about the switch and are available from this Cisco.com site:

http://www.cisco.com/en/US/products/hw/switches/ps5532/tsd_products_support_series_home.html

Note Before installing, configuring, or upgrading the switch, see these documents:

- For initial configuration information, see the "Using Express Setup" chapter or the "Configuring the Switch with the CLI-Based Setup Program" appendix in the hardware installation guide.

- For upgrade information, see the "Downloading Software" section in the release notes.

- *Release Notes for the Catalyst 3750 Metro Switch*
- *Catalyst 3750 Metro Switch Software Configuration Guide*
- *Catalyst 3750 Metro Switch Command Reference*
- *Catalyst 3750 Metro Switch System Message Guide*
- *Catalyst 3750 Metro Switch Hardware Installation Guide*
- *Cisco Small Form-Factor Pluggable Modules Installation Notes*
- These compatibility matrix documents are available from this Cisco.com site:

http://www.cisco.com/en/US/products/hw/modules/ps5455/products_device_support_tables_list.html

  - *Cisco Gigabit Ethernet Transceiver Modules Compatibility Matrix*
  - *Cisco 100-Megabit Ethernet SFP Modules Compatibility Matrix*
  - *Cisco Small Form-Factor Pluggable Modules Compatibility Matrix*
  - *Compatibility Matrix for 1000BASE-T Small Form-Factor Pluggable Modules*

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

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