Preface

Audience

This guide is for the networking professional using the Cisco IOS command-line interface (CLI) to manage the Cisco Catalyst Blade Switch 3030, 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 switch is supported by the IP base image. The IP base image provides Layer 2+ features including access control lists (ACLs), quality of service (QoS), static routing, and the Routing Information Protocol (RIP).

This guide provides the information that you need about the Layer 2 and Layer 3 commands that have been created or changed for use with the switch. 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 **Technical Support & Documentation > Cisco IOS Software**.

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 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

For more information about the switch, see the Cisco Catalyst Blade Switch 3030 for Dell documentation on Cisco.com.

http://www.cisco.com/en/US/products/ps6748/tsd_products_support_series_home.html

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

- For initial configuration information, see the blade switch configuration and installation instructions in the getting started guide or the "Configuring the Switch with the CLI-Based Setup Program" appendix in the hardware installation guide.
- For device manager requirements, see the "System Requirements" section in the release notes (not orderable but available on Cisco.com).
- For upgrade information, see the "Downloading Software" section in the release notes.

- *Release Notes for the Cisco Catalyst Blade Switch 3030 for Dell, Cisco IOS Release 12.2(25)SEE* (not orderable but available on Cisco.com)

- *Cisco Catalyst Blade Switch 3030 for Dell System Message Guide* (order number DOC-7817263=)

- *Cisco Catalyst Blade Switch 3030 for Dell Software Configuration Guide* (order number DOC-7817261=)

- *Cisco Catalyst Blade Switch 3030 for Dell Command Reference* (order number DOC-7817262=)

- Device manager online help (available on the switch)

- *Cisco Catalyst Blade Switch 3030 for Dell Hardware Installation Guide* (not orderable but available on Cisco.com)

- *Cisco Catalyst Blade Switch 3030 for Dell Getting Started Guide* (order number DOC-7817052=)

- *Regulatory Compliance and Safety Information for the Cisco Catalyst Blade Switch 3030 for Dell* (order number DOC-7817053=)

- *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* (not orderable but available on Cisco.com)

  – *Cisco Small Form-Factor Pluggable Modules Compatibility Matrix* (not orderable but available on Cisco.com)

  – *Compatibility Matrix for 1000BASE-T Small Form-Factor Pluggable Modules* (not orderable but available on Cisco.com)

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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