



Preface

Audience

This guide is for the networking professional using the Cisco IOS command-line interface (CLI) to manage the standalone Cisco Catalyst Switch Module 3110 for IBM BladeCenter, the switch stack, or the Cisco Catalyst Switch Module 3012 for IBM BladeCenter, 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.

The Catalyst Switch Module 3110 is also referred to as a *stacking-capable switch*, and the Catalyst Switch Module 3012 is referred to as a *nonstacking-capable switch*.

You install the switch in the IBM BladeCenter server chassis, referred to as the *enclosure*. For information about the IBM BladeCenter server chassis, see your chassis documentation.

Purpose

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 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 **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.

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/ps8741/tsd_products_support_series_home.html



Note

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

- For initial configuration information, see the “Configuring the Switch Module” section 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.
- For Network Assistant requirements, see the *Getting Started with Cisco Network Assistant*.
- For upgrade information, see the “Downloading Software” section in the release notes.

- *Release Notes for the Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter*
- *Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter Software Configuration Guide*
- *Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter Command Reference*
- *Cisco Catalyst Switch Module 3110 and 3012 for IBM BladeCenter System Message Guide*
- *Cisco Software Activation Document for IBM*
- Device manager online help (available on the switch)
- *Cisco Catalyst Switch Module 3110G, 3110X, and 3012 for IBM BladeCenter Hardware Installation Guide*
- *Cisco Catalyst Switch Module 3110G, 3110X, and 3012 for IBM BladeCenter Getting Started Guide*

- *Regulatory Compliance and Safety Information for the Cisco Catalyst Switch Module 3110G, 3110X, and 3012 for IBM BladeCenter*
- *Cisco Small Form-Factor Pluggable Modules Installation Notes*
- For information about the Network Admission Control (NAC) features, see the *Network Admission Control Software Configuration Guide*

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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