



Preface

Audience

This guide is for the networking professional managing the IE 3000 switch, hereafter referred to as the *switch*. Before using this guide, you should have experience working with the Cisco IOS software and be familiar with the concepts and terminology of Ethernet and local area networking.

Purpose

The Catalyst 3560 switch is supported by either the IP base image or the IP services image. The IP base image provides Layer 2+ features including access control lists (ACLs), quality of service (QoS), static routing, EIGRP stub routing, and the Routing Information Protocol (RIP). The IP services image provides a richer set of enterprise-class features. It includes Layer 2+ features and full Layer 3 routing (IP unicast routing, IP multicast routing, and fallback bridging). To distinguish it from the Layer 2+ static routing and RIP, the IP services image includes protocols such as the Enhanced Interior Gateway Routing Protocol (EIGRP) and the Open Shortest Path First (OSPF) Protocol.

The IE 3000 switch is supported by either the Layer 2 LAN base image or the Layer 3 IP services image. The switch must be running the IP services image to support Layer 3 routing functionality.

This guide provides the information that you need to configure Cisco IOS software features on your switch.

This guide provides procedures for using the commands that have been created or changed for use with the switch. It does not provide detailed information about these commands. For detailed information about these commands, see the *IE 3000 Switch Command Reference* for this release. For information about the standard Cisco IOS Release 12.2 commands, see the Cisco IOS documentation set available from the Cisco.com home page at **Documentation > Cisco IOS Software**.

This guide does not provide detailed information on the graphical user interfaces (GUIs) for the embedded device manager or for Cisco Network Assistant (hereafter referred to as *Network Assistant*) that you can use to manage the switch. However, the concepts in this guide are applicable to the GUI user. For information about the device manager, see the switch online help. For information about Network Assistant, see *Getting Started with Cisco Network Assistant*, available on Cisco.com.

This guide does not describe system messages you might encounter or how to install your switch. For more information, see the *IE 3000 Switch System Message Guide* for this release and the *IE 3000 Switch Hardware Installation Guide*.

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 ([]) mean 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 timesavers 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/ps9703/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” 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 (not orderable but available on Cisco.com).
 - For Network Assistant requirements, see the *Getting Started with Cisco Network Assistant* (not orderable but available on Cisco.com).
 - For cluster requirements, see the *Release Notes for Cisco Network Assistant* (not orderable but available on Cisco.com).
 - For upgrading information, see the “Downloading Software” section in the release notes.
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See these documents for other information about the switch:

- *Release Notes for the Cisco IE 3000 Switch*
- *Cisco IE 3000 Switch Software Configuration Guide*
- *Cisco IE 3000 Switch Command Reference*
- *Cisco IE 3000 Switch System Message Guide*
- Device manager online help (available on the switch)
- *Cisco IE 3000 Switch Hardware Installation Guide*
- *Cisco IE 3000 Switch Getting Started Guide*
- *Regulatory Compliance and Safety Information for the Cisco IE 3000 Switch*
- *Getting Started with Cisco Network Assistant*
- *Release Notes for Cisco Network Assistant*
- For information about the Network Admission Control (NAC) features, see the *Network Admission Control Software Configuration Guide*
- Information about Cisco SFP, SFP+, and GBIC modules is available from this Cisco.com site:
http://www.cisco.com/en/US/products/hw/modules/ps5455/prod_installation_guides_list.html
SFP 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

Obtaining Documentation, Obtaining Support, and Security Guidelines

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:

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

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