



Preface

If your switch is stacking-capable (for example, a Catalyst 3750-X, 3750-E, or 2960-S switch), unless otherwise noted, the term *switch* refers to a standalone switch and to a switch stack.

This document describes how to configure Auto and static Smartports macros. It does not describe how to install your switch. For information, see the hardware installation guide for your switch.

- Catalyst 3750-X and 3560-X switches
- Catalyst 3750-E and 3560-E switches
- Catalyst 3750, 3560, 2960-S, and 2960 switches
- Catalyst 2918 switches

For information about the Cisco IOS commands, see the Cisco IOS documentation set on Cisco.com.

This guide does not describe how to use the embedded device manager GUIs or Cisco Network Assistant (hereafter referred to as *Network Assistant*). For information about the device manager, see the switch online help. For information about Network Assistant, see *Getting Started with Cisco Network Assistant* on Cisco.com.

You can use CiscoWorks LAN Management Solution (LMS) to configure and manage Auto Smartports. For information about using CiscoWorks LMS and Auto Smartports:

http://www.cisco.com/en/US/prod/collateral/netmgtsw/ps6504/ps6528/ps2425/white_paper_c11-542881_ps11200_Products_White_Paper.html#wp9000042

Conventions

This publication uses these conventions to convey instructions and information:

For command descriptions

- 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.

For interactive examples

- Terminal sessions and system displays are in `screen` font.
- Information that 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 information about Cisco network devices running Auto Smartports, see the switch-specific documentation on Cisco.com:

<http://www.cisco.com/cisco/web/support/index.html>.



Note

Before installing, configuring, or upgrading the switch, router, or other Cisco device, 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.
- For Network Assistant requirements, see the *Getting Started with Cisco Network Assistant*.
- For cluster requirements, see the *Release Notes for Cisco Network Assistant*.
- For upgrading information, see the “Downloading Software” section in the release notes.

Obtaining Documentation, 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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