About This Manual

This section defines the audience and scope of this manual and briefly describes the contents of each chapter. Icons and conventions are also described.

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Audience and Scope

This document is for networking professionals configuring Catalyst 2820 series or Catalyst 1900 series switches through the command-line interface (CLI). These CLI commands are a supported feature of the Cisco Catalyst 1900/2820 Enterprise Edition Software. We assume that you have some experience working from a CLI and that you are familiar with the terminology and concepts of Ethernet and local area networking.

The document is designed to provide comprehensive reference information about the CLI commands these switches support.

Organization

This guide is organized into the following sections:

“Overview” explains the syntax of the CLI commands, provides time-saving shortcuts, and lists the various command modes, error message types, and command restrictions.

“Command Descriptions” is an alphabetized description of each command used in the Catalyst 2820 series and Catalyst 1900 series switches.
Conventions

This publication uses the following conventions to convey instructions and information:

Command descriptions use these conventions:

- Commands and keywords are in boldface.
- Arguments for which you supply values are in italic.
- Required options are grouped in braces ( { } ) and separated by vertical bars ( | ).
- Elements in square brackets ( [ ] ) are optional and separated by vertical bars ( | ).
- Nonprinting characters, such as passwords, are in angle brackets (< >).
- A string is defined as a nonquoted set of characters (except where quotes are indicated as necessary).

Examples use these conventions:

- Terminal sessions and system displays are in screen font.
- Information you enter is in boldface screen font.

Notes use the following convention:

**Note** Means reader take note. Notes contain helpful suggestions or references to materials not contained in this manual.
### bridge-group

**Command name:** bridge-group

**Brief description of command usage:** The `bridge-group` command modifies the assignments of ports to bridge groups.

**Command syntax:**
- `bridge-group bridge-group-number`
- `no bridge-group bridge-group-number`

**List of command arguments and keywords:**
- `bridge-group-number`: A number from 1 to 4.

**Descriptions of arguments and keywords:**
- `bridge-group-number`: The identifier of the bridge group to which the port is assigned.

**Default configuration or value:**
- All ports are assigned to bridge group 1.

**Mode in which command is entered:** Interface configuration

**Guidelines about use and operation of the command or related commands:**
- If overlapping bridge groups are allowed, the `bridge-group` command adds a port to the bridge group specified by `bridge-group-number`. If overlapping bridge groups are not allowed, the port is moved from its current bridge group to the specified bridge group. When overlapping bridge groups are allowed, use the `no` form of the command to remove a port from a bridge group.

**Example of using the command:**
- The following example shows how to assign a port to bridge group 2:
  ```
  (config-if)# bridge-group 2
  (config-if)#
  ```

**Related Commands:**
- `bridge forward-time`
- `bridge hello-time`
- `bridge max-age`
- `bridge priority`
- `bridge-group allow-overlap`
- `bridge-group enable`
- `show bridge-group`
- `show spantree (bridge-group)`
- `spantree (bridge-group)`