



About This Guide

This manual is for the technician installing and maintaining the Cisco Systems Catalyst 2100 workgroup switch. It is assumed that the individual is familiar with the concepts and terminology of 10Base-T and local area networking.

Chapter Contents

This manual is organized as follows:

“Fast Install Guide” is an installation procedure for experienced users.

“Introduction” describes the key features of the Catalyst 2100.

“Planning” outlines the preinstallation and cabling guidelines and includes several sample configurations.

“Concepts” explains some of the features of the Catalyst 2100 in greater detail, including VLANs, the Spanning-Tree Protocol, multicast registration, and the available switching modes.

“Installation” contains the complete procedures for installing the Catalyst 2100 on a rack, table, or shelf.

“Out-of-Band Management” is a menu-by-menu explanation of the management console. This application allows you to configure the Catalyst 2100 and display statistics about the switch’s operation.

“In-Band Management” describes how to configure third-party network management platforms to work with the Catalyst 2100 and the various traps that the switch can generate. There is also a complete list of supported MIB objects.

“Troubleshooting” describes some problems that may arise and their recommended solutions.

Document Conventions

“Technical Specifications” is a list of the physical, electrical, and environmental characteristics of the Catalyst 2100. This includes schematics for crossover and straight-through cables.

Document Conventions

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

Command descriptions use these conventions:

- Commands and keywords are in **boldface** font.
- Arguments for which you supply values are shown in *italics*.
- Elements in square brackets ([]) are optional.
- Alternative or optional keywords are shown in bold and grouped in square brackets ([]) and separated by a vertical bar (|).
- Required keywords are grouped in angle brackets (< >) and separated by a vertical bar (|).

Examples use these conventions:

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

Notes, cautions, and warnings use the following 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.



Warning Means *danger*. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and standard practices for preventing accidents.