



# About This Guide

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This section describes the intended audience, objectives, and organization of the *Catalyst 1900 Series Installation and Configuration Guide* and defines the conventions used to convey instructions and information. It also provides information about related documentation for this product and on accessing electronic Cisco documentation.

## Audience

This guide is for the trained and qualified networking professional installing and maintaining the Catalyst 1900 series Ethernet switches, also referred to as the Catalyst 1900 switches. We assume that readers of this guide are familiar with the terminology and concepts of Ethernet and local area networking.

## Purpose

This guide describes the features and specifications of the Catalyst 1900 switches and provides procedures and information about installation, start-up, web-based and menu-based standard software configuration, and troubleshooting.

# Document Organization

The topics in this guide are organized as follows and reference the documents in the “Related Publications” section on page xvii:

- Chapter 1, “Overview,” describes the switch features and provides examples of the switches in several network configurations. This chapter also provides an overview of the supported configuration and management options, including the default configuration settings.
- Chapter 2, “Installation and Startup,” contains guidelines and procedures for installing the switches on a desk or tabletop, in 19-, 23-, and 24-inch racks, and on a wall. This chapter also describes how to connect the switches to network devices and to access the switch management interfaces.
- Chapter 3, “Configuring and Monitoring from the Switch Manager,” provides information about using the web-based Catalyst 1900 Switch Manager to configure and manage the switches.
- Chapter 4, “Configuring and Monitoring from the Management Console,” provides information about using the menu-based management console to configure and manage the switches.
- Chapter 5, “Troubleshooting,” describes some problems that might arise and their recommended solutions. This chapter also provides recovery procedures using the menu-based diagnostic console.
- Appendix A, “Technical Specifications,” lists the physical characteristics, environmental requirements, and power specifications of the switches. This appendix also provides the agency approvals for the switches.
- Appendix B, “Connectors and Cables,” details the physical characteristics of the connectors on the switches and their associated cabling.
- Appendix C, “Translated Safety Warnings,” repeats in multiple languages the warnings in this guide.

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## Conventions

This guide 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 shown in *italic*.

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:

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**Note** Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this guide.

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**Caution** This caution symbol means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.



**Warning** This warning symbol 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 be familiar with standard practices for preventing accidents. (To see translations of the warnings that appear in this publication, refer to Appendix C, “Translated Safety Warnings.”)

**Waarschuwing** Dit waarschuwingssymbool betekent gevaar. U verkeert in een situatie die lichamelijk letsel kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij elektrische schakelingen betrokken risico's en dient u op de hoogte te zijn van standaard maatregelen om ongelukken te voorkomen. (Voor vertalingen van de waarschuwingen die in deze publicatie verschijnen, kunt u het aanhangsel “Translated Safety Warnings” (Vertalingen van veiligheidsvoorschriften) raadplegen.)

**Varoitus** Tämä varoitusmerkki merkitsee vaaraa. Olet tilanteessa, joka voi johtaa ruumiinvammaan. Ennen kuin työskentelet minkään laitteiston parissa, ota selvää sähkökytkentöihin liittyvistä vaaroista ja tavanomaisista onnettomuuksien ehkäisykeinoista. (Tässä julkaisussa esiintyvien varoitusten käännökset löydät liitteestä “Translated Safety Warnings” (käännetyt turvallisuutta koskevat varoitukset).)

**Attention** Ce symbole d’avertissement indique un danger. Vous vous trouvez dans une situation pouvant entraîner des blessures. Avant d’accéder à cet équipement, soyez conscient des dangers posés par les circuits électriques et familiarisez-vous avec les procédures courantes de prévention des accidents. Pour obtenir les traductions des mises en garde figurant dans cette publication, veuillez consulter l’annexe intitulée « Translated Safety Warnings » (Traduction des avis de sécurité).

**Warnung** Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu einer Körperverletzung führen könnte. Bevor Sie mit der Arbeit an irgendeinem Gerät beginnen, seien Sie sich der mit elektrischen Stromkreisen verbundenen Gefahren und der Standardpraktiken zur Vermeidung von Unfällen bewußt. (Übersetzungen der in dieser Veröffentlichung enthaltenen Warnhinweise finden Sie im Anhang mit dem Titel “Translated Safety Warnings” (Übersetzung der Warnhinweise).)

**Avvertenza** Questo simbolo di avvertenza indica un pericolo. Si è in una situazione che può causare infortuni. Prima di lavorare su qualsiasi apparecchiatura, occorre conoscere i pericoli relativi ai circuiti elettrici ed essere al corrente delle pratiche standard per la prevenzione di incidenti. La traduzione delle avvertenze riportate in questa pubblicazione si trova nell’appendice, “Translated Safety Warnings” (Traduzione delle avvertenze di sicurezza).

**Advarsel** Dette varselsymbolet betyr fare. Du befinner deg i en situasjon som kan føre til personskade. Før du utfører arbeid på utstyr, må du være oppmerksom på de faremomentene som elektriske kretser innebærer, samt gjøre deg kjent med vanlig praksis når det gjelder å unngå ulykker. (Hvis du vil se oversettelser av de advarelsene som finnes i denne publikasjonen, kan du se i vedlegget “Translated Safety Warnings” [Oversatte sikkerhetsadvarsler].)

**Aviso** Este símbolo de aviso indica perigo. Encontra-se numa situação que lhe poderá causar danos físicos. Antes de começar a trabalhar com qualquer equipamento, familiarize-se com os perigos relacionados com circuitos eléctricos, e com quaisquer práticas comuns que possam prevenir possíveis acidentes. (Para ver as traduções dos avisos que constam desta publicação, consulte o apêndice “Translated Safety Warnings” - “Traduções dos Avisos de Segurança”).

**Advertencia** Este símbolo de aviso significa peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considerar los riesgos que entraña la corriente eléctrica y familiarizarse con los procedimientos estándar de prevención de accidentes. (Para ver traducciones de las advertencias que aparecen en esta publicación, consultar el apéndice titulado “Translated Safety Warnings.”)

**Warning!** Denna varningssymbol signalerar fara. Du befinner dig i en situation som kan leda till personskada. Innan du utför arbete på någon utrustning måste du vara medveten om farorna med elkretsar och känna till vanligt förfarande för att förebygga skador. (Se förklaringar av de varningar som förekommer i denna publikation i appendix “Translated Safety Warnings” [Översatta säkerhetsvarningar].)

## Related Publications

The following documents provide related information about this product:

- *Quick Start Guide: Catalyst 1900 Series Ethernet Switches* provides instructions for connecting the switch to network devices, assigning an IP address and password to the switch, and displaying the web-based Catalyst 1900 Switch Manager.
- Catalyst 1900 Switch Manager online help provides detailed procedures for using this web-based interface to change configuration settings and display switch information. Online help also provides detailed information about the fields on each Catalyst 1900 Switch Manager page.
- *Catalyst 1900 Series and Catalyst 2820 Series Enterprise Edition Software Configuration Guide* describes the Cisco Catalyst 1900/2820 Enterprise Edition Software and provides the procedures for configuring the enterprise edition software features (such as virtual local area networks (VLANs)).
- *Catalyst 1900 Series and Catalyst 2820 Series Command Reference* describes commands used to configure the switch through the command-line interface, a feature available on the Cisco Catalyst 1900/2820 Enterprise Edition Software. This reference is available on CCO and the Documentation CD-ROM only.
- *Cisco IOS Desktop Switch Software Configuration Guide, Catalyst 2900 Series XL and Catalyst 3500 Series XL Cisco IOS Release 12.0(5)XP* describes switch cluster management and membership. This guide also provides procedures on how to configure and manage cluster members by using the Cisco IOS command-line interface and the following Cluster Management applications: Cisco Visual Switch Manager, Switch Network View, and Cluster Management.

## Accessing Electronic Documentation

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM, a member of the Cisco Connection Family, is updated monthly. Therefore, it might be more current than printed documentation. To order additional copies of the Documentation CD-ROM, contact your local sales representative or call customer service. The CD-ROM package is available as a single package or as an annual subscription. You can also access Cisco documentation on the World Wide Web at <http://www.cisco.com>, <http://www-china.cisco.com>, or <http://www-europe.cisco.com>.

If you are reading Cisco product documentation on the World Wide Web, you can submit comments electronically. Click **Feedback** in the toolbar and select **Documentation**. After you complete the form, click **Submit** to send it to Cisco. We appreciate your comments.

## Cisco Connection Online

Cisco Connection Online (CCO) is Cisco Systems' primary, real-time support channel. Maintenance customers and partners can self-register on CCO to obtain additional information and services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco's customers and business partners. CCO services include product information, product documentation, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously: a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, and Internet e-mail, and it is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: <http://www.cisco.com>
- WWW: <http://www-europe.cisco.com>

- WWW: <http://www-china.cisco.com>
- Telnet: [cco.cisco.com](http://cco.cisco.com)
- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and connection rates up to 28.8 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact [cco-help@cisco.com](mailto:cco-help@cisco.com). For additional information, contact [cco-team@cisco.com](mailto:cco-team@cisco.com).

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**Note** If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or [tac@cisco.com](mailto:tac@cisco.com). To obtain general information about Cisco Systems, Cisco products, or upgrades, contact 800 553-6387, 408 526-7208, or [cs-rep@cisco.com](mailto:cs-rep@cisco.com).

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