



# About This Guide

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This section discusses the intended audience, scope, and organization of the *Catalyst 1900 Series Installation and Configuration Guide* and defines the conventions used to convey instructions and information.

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## Audience and Scope

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 manual are familiar with the terminology and concepts of Ethernet and local area networking.

This guide describes the functional and physical features of the Catalyst 1900 switches and provides installation procedures, web-based and menu-based standard edition software configuration and management information, troubleshooting information, technical specifications, and cable and connector guidelines and specifications.

# Organization

This guide is organized as follows:

- The “Introduction” chapter describes the switch features and provides examples of the switches in several network configurations.
- The “Installation and Start-Up” chapter contains guidelines and procedures for installing the switches on a desk or tabletop, in 19- and 24-inch racks, and on a wall. This chapter also describes how to connect the switches to network devices.
- The “Switch Configuration Overview” chapter provides an overview of the configuration and management options supported on the switches. This chapter also provides the default configuration settings of the switch, information on accessing the MIB objects and using SNMP, and remote monitoring concepts.
- The “Web-Based Management” chapter provides information on configuring and managing the switches by using the web console.
- The “Menu-Based Management” chapter provides information on configuring and managing the switches by using the menu console.
- The “Troubleshooting” chapter describes some problems that might arise and their recommended solutions.
- The “Technical Specifications” appendix lists the physical characteristics, environmental requirements, power specifications, and agency approvals of the switches.
- The “Connectors and Cables” appendix details the physical characteristics of the connectors on the switches and their associated cabling.
- The “Translated Safety Warnings” appendix repeats in multiple languages the warnings in this guide.

## Related Publications

The following publications provide related information on this product:

- *Catalyst 1900 Cabling and Setup* provides instructions for connecting the switch to devices, assigning an IP address to the switch, and displaying the Catalyst 1900 web console.
- *Catalyst 2820 Series and Catalyst 1900 Series Enterprise Edition Software Configuration Guide* describes the Cisco Catalyst 1900/2820 Enterprise Edition Software, which describes additional switch configuration features such as VLANs and the command-line interface.
- *Catalyst 2820 Series and Catalyst 1900 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.

## 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 *italics*.
- Elements in square brackets ([ ]) are optional.
- Alternative or optional keywords are grouped in square brackets ([ ]) and separated by a vertical bar (|).
- Required keywords are grouped in braces ({ }) 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:

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

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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 the appendix, “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].)

## Conventions

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