



# About This Guide

---

This section discusses the objectives, intended audience, and organization of this user guide, and defines the conventions used to convey instructions and noteworthy information.

All Cisco Systems publications are available on UniverCD, Cisco's online library of product information. UniverCD is updated and shipped monthly, so it might be more up to date than printed documentation. UniverCD is available both as a single CD and as an annual subscription. To order UniverCD, contact your Cisco Sales or Customer Service representative.

## Document Objectives

This publication contains specific procedures for the initial hardware installation of the Cisco 7010 router, and procedures for performing the basic configuration of your system. It will guide you through the initial hardware installation and startup of your new router. After you install the hardware, you will then use the appropriate companion publications to more completely configure your system.

## Audience

Setting up and maintaining a network requires the knowledge and expertise of people with a variety of skills. In many cases, the people responsible for installing hardware and wiring are not the ones who configure the software and administer the network. This publication provides information specific to installing the router hardware. To use this publication, you should be familiar with electronic circuitry and wiring practices, and preferably have experience as an electronic or electromechanical technician.

For comprehensive descriptions and examples of software configuration commands and the procedures for implementing them, refer to the related software configuration and reference documentation listed in the section “If You Need More Configuration Information,” in the chapter “Performing a Basic Configuration of the Cisco 7000.”

## Document Organization

The organization of this publication follows a recommended linear installation sequence: starting with the chapter “Product Overview,” and continuing through the chapter “Performing a Basic Configuration of the Cisco 7010.”

Following is a brief description of each chapter:

- Chapter 1, “Product Overview,” describes the physical properties of the Cisco 7010 chassis.
- Chapter 2, “Preparing for Installation,” describes safety considerations, tools required, an overview of the hardware installation, and procedures you should perform *before* the actual installation.
- Chapter 3, “Installing the Cisco 7010,” provides reference information for installing the hardware and connecting the external network interface cables.
- Chapter 4, “Connecting the Cisco 7010 to Your Network,” provides cabling guidelines for the initial hardware installation, for all of the available processor modules in the router.
- Chapter 5, “Performing a Basic Configuration of the Cisco 7010,” provides simple procedures for completing a basic system configuration, and for checking and saving this configuration to system memory.
- Appendix A, “Translated Safety Warnings,” lists translations of the safety warnings that appear throughout this publication.

## Document Conventions

This publication uses the following conventions:

- The symbol `^` represents the key labeled *Control*.  
For example, the key combination `^z` means hold down the **Control** key while you press the **z** key.
- Cross-references to additional or related information within this publication specify the title of the section that contains the information. For example, "Refer to the section 'Document Conventions'." These cross-references represent direct online links.

Command descriptions use these conventions:

- Examples that contain system prompts denote interactive sessions, indicating the commands that you should enter at the prompt. The system prompt indicates the current level of the EXEC command interpreter. For example, the prompt `router>` indicates that you should be at the *user* level, and the prompt `router#` indicates that you should be at the *privileged* level. Access to the privileged level usually requires a password. Refer to the related software configuration and reference documentation for additional information.
- Commands and keywords are in **boldface** font.
- Arguments for which you supply values are in *italic* font.
- Elements in square brackets (`[ ]`) are optional.
- Alternative but required keywords are grouped in braces (`{ }`) and separated by vertical bars (`|`).

Examples use these conventions:

- Terminal sessions and sample console screen displays are in *screen* font.
- Information you enter is in **boldface screen** font.
- Nonprinting characters, such as passwords, are in angle brackets (`<>`).
- Default responses to system prompts are in square brackets (`[ ]`).
- Exclamation points (!) at the beginning of a line indicate a comment line.

## Document Conventions

---



**Caution** Means *reader be careful*. You are capable of doing something that might result in equipment damage or loss of data.

---

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

---



**Timesaver** Means *the described action saves time*. You can save time by performing the action described in the paragraph.



**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. For translated versions of this warning and other warnings in this guide, 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. Het waarschuwingssymbool betekent ook dat u de waarschuwing in meerdere talen in "Translated Safety Warnings" kunt vinden.

**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. Varoitusmerkki tarkoittaa myös sitä, että varoitus esiintyy useilla kielillä osassa "Translated Safety Warnings".

**Attention** Ce symbole d'avertissement indique un danger. Vous vous trouvez dans une situation pouvant causer des blessures ou des dommages corporels. Avant de travailler sur un équipement, soyez conscient des dangers posés par les circuits électriques et familiarisez-vous avec les procédures couramment utilisées pour éviter les accidents. Le symbole d'avertissement signifie également que cet avis se trouve traduit dans plusieurs langues dans la section «Translated Safety Warnings».

**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. Das Warnsymbol bedeutet auch, daß Sie die Warnung in verschiedenen Sprachen unter "Translated Safety Warnings" lesen können.

**Avvertenza** Questo simbolo di avvertenza indica un pericolo. La situazione potrebbe causare infortuni alle persone. 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. Il simbolo di avvertenza indica inoltre che l'avvertenza viene presentata in diverse lingue in "Translated Safety Warnings".

**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. Dette varselsymbolet betyr også at du kan lese advarselen på flere språk i «Translated Safety Warnings».

**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. Este símbolo serve também para indicar que poderá ler este tipo de aviso em várias línguas na secção: "Translated Safety Warnings."

**¡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. Este símbolo de aviso también significa que la misma advertencia aparece en varios idiomas bajo el título "Translated Safety Warnings".

## Document Conventions

---

**Varning!** 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. Denna varningssymbol innebär också att du kan se varningsmeddelandet på flera språk i "Translated Safety Warnings".