



## Preface

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This preface describes the objectives, audience, organization, and conventions of this guide, and describes related documents that have additional information. It contains the following sections:

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## Objective

This guide provides an overview and explains how to configure the various features for the Cisco 860, Cisco 880, and Cisco 890 series Integrated Services Routers (ISRs). Some information may not apply to your particular router model.

For warranty, service, and support information, see the “Cisco One-Year Limited Hardware Warranty Terms” section in the *Readme First for the Cisco 800 Series Integrated Services Routers* that was shipped with your router.

## Audience

This guide is intended for Cisco equipment providers who are technically knowledgeable and familiar with Cisco routers and Cisco IOS software and features.

# Organization

This guide is organized into the following parts, chapters, and appendixes.

<b>Overview/Getting Started</b>	
<a href="#">Product Overview</a>	Provides a brief description of the router models and the available software features.
<a href="#">Wireless Device Overview</a>	Provides an introduction to the wireless device on the router and its use in network configurations.
<a href="#">Basic Router Configuration</a>	Provides procedures for configuring the basic parameters of the router.
<b>Configuring the Router</b>	
<a href="#">Configuring Backup Data Lines and Remote Management</a>	Provides procedures for configuring remote management functions and a backup data line connection.
<a href="#">Configuring Security Features</a>	Provides procedures for implementing the security features that can be configured on the router.
<a href="#">Configuring the Ethernet Switches</a>	Provides an overview of the configuration tasks for the 4-port Fast Ethernet switch on the router.
<a href="#">Configuring Voice Functionality</a>	Provides references to the procedures for voice configuration.
<b>Configuring and Administering the Wireless Device</b>	
<a href="#">Basic Wireless Device Configuration</a>	Provides procedures for initial configuration of the wireless device.
<a href="#">Configuring Radio Settings</a>	Describes how to configure radio settings for the wireless device.
<a href="#">Administering the Wireless Device</a>	Describes the various aspects of the administration of the wireless device.
<b>Configuring Your Router for Ethernet and DSL Access</b>	
<a href="#">Configuring PPP over Ethernet with NAT</a>	Provides an overview of Point-to-Point Protocol over Ethernet (PPPoE) clients and network address translation (NAT)s that can be configured on the Cisco 860 and Cisco 880 series Integrated Services Routers (ISRs).
<a href="#">Configuring PPP over ATM with NAT</a>	Provides an overview of Point-to-Point Protocol over Asynchronous Transfer Mode (PPPoA) clients and network address translation (NAT) that can be configured on the Cisco 860 and Cisco 880 series Integrated Services Routers (ISRs).
<a href="#">Configuring a LAN with DHCP and VLANs</a>	Describes how the routers can use the Dynamic Host Configuration Protocol (DHCP) to enable automatic assignment of IP configurations for nodes on these networks.

<a href="#">Configuring a VPN Using Easy VPN and an IPsec Tunnel</a>	Provides an overview of the creation of Virtual Private Networks (VPNs) that can be configured on the Cisco 860 and Cisco 880 series Integrated Services Routers (ISRs).
<b>Additional Information</b>	
<a href="#">Deployment Scenarios</a>	Shows some typical deployment scenarios for the Cisco 860, Cisco 880, and Cisco 890 series ISRs.
<a href="#">Troubleshooting</a>	Provides information to help isolate problems you might encounter.
<b>Reference Information (Appendixes)</b>	
<a href="#">Appendix A, “Cisco IOS Software Basic Skills”</a>	Provides information for how to use Cisco IOS software to configure your router.
<a href="#">Appendix B, “Concepts”</a>	Provides conceptual information that may be useful to Internet service providers or network administrators when they configure Cisco routers.
<a href="#">Appendix C, “ROM Monitor”</a>	Provides information on how to use Cisco’s ROM Monitor firmware.
<a href="#">Appendix D, “Common Port Assignments”</a>	Lists currently assigned transmission control protocol (TCP) port numbers.

## Conventions

These documents use the conventions listed in [Table 1](#) to convey instructions and information.

**Table 1** *Command Conventions*

<b>Convention</b>	<b>Description</b>
<b>boldface font</b>	Commands and keywords.
<i>italic font</i>	Variables for which you supply values.
[ ]	Optional keywords or arguments appear in square brackets.
{x   y   z}	A choice of required keywords appears in braces separated by vertical bars. You must select one.
screen font	Examples of information displayed on the screen.
<b>boldface screen font</b>	Examples of information you must enter.
< >	Nonprinting characters, for example, passwords, appear in angle brackets in contexts where italics are not available.
[ ]	Default responses to system prompts appear in square brackets.



### Note

Means *reader take note*. Notes contain helpful suggestions or references to additional information and material.

**Caution**

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

**Timesaver**

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

**Tip**

Means *the following information will help you solve a problem*. The tips information might not be troubleshooting or even an action, but could be useful information, similar to a Timesaver.

## Related Documentation

In addition to the *Cisco 860, Cisco 880, and Cisco 890 Series ISR Software Configuration Guide* (this document), the Cisco 860, Cisco 880, and Cisco 890 series ISR documentation set includes the following documents:

- [Readme First for the Cisco 800 Series Integrated Services Routers](#).
- [Cisco 860, Cisco 880, and Cisco 890 Series Integrated Services Routers Hardware Installation Guide](#)
- [Regulatory Compliance and Safety Information for Cisco 800 Series and SOHO Series Routers](#)
- [Declarations of Conformity and Regulatory Information for Cisco Access Products with 802.11n Radios](#)
- [Cisco Software Licensing Feature Guide](#)
- [Cisco IOS Release Notes for Cisco IOS Release 12.4\(15\)XZ](#)

You might also need to refer to the following documents:

- [Cisco System Manager Quick Start Guide](#)
- [Cisco IOS Release 12.4 Quality of Service Solutions Configuration Guide](#)
- [Cisco IOS Security Configuration Guide, Release 12.4](#)
- [Cisco IOS Security Configuration Guide, Release 12.4T](#)
- [Cisco IOS Security Command Reference, Release 12.4](#)
- [Cisco IOS Security Command Reference, Release 12.4T](#)
- [Cisco IOS Command Reference for Cisco Aironet Access Points and Bridges, versions 12.4\(10b\) JA and 12.3\(8\) JEC](#)
- [Cisco Aironet 1240AG Access Point Support Documentation](#)
- [Cisco 4400 Series Wireless LAN Controllers Support Documentation](#)
- [LWAPP Wireless LAN Controllers](#)
- [LWAPP Wireless LAN Access Points](#)
- [Cisco IOS Release 12.4 Voice Port Configuration Guide](#)
- [SCCP Controlled Analog \(FXS\) Ports with Supplementary Features in Cisco IOS Gateways](#)

- *Cisco Software Activation Conceptual Overview*
- *Cisco Software Activation Tasks and Commands*

## Searching Cisco Documents

To search a Hyper Text Markup Language (HTML) document using a web browser, use the Ctrl+F (Windows) or Cmd+F (Apple) sequences. In most browsers the option to search whole words only, invoke case sensitivity, or search forward and backward are also available.

To search a PDF document in Adobe Reader, use the basic Find toolbar (Ctrl+F) or the Full Reader Search window (Shift+Ctrl+F). Use the Find toolbar to find words or phrases within one specific document. Use the Full Reader Search window to search multiple PDF files simultaneously as well as change case sensitivity, and other options. Adobe Reader comes with online help with more information regarding searching PDF documents.

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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