Preface

This preface describes the audience, organization, and documentation conventions for this guide and provides information on how to obtain related documents and technical assistance.

This preface includes the following major sections:

- Audience, page ix
- Organization, page ix
- Related Documentation, page x
- Conventions, page xi
- Obtaining Documentation, Support, and Security Guidelines, page xii

Audience

This guide is also intended for system integrators incorporating the Cisco 5930 Embedded Services Router (ESR) and the Cisco 5921 ESR into their designs. This book documents the Cisco IOS.

Organization

This guide is organized into the following chapters:

Chapter	Title	Description
1	Product Overview	Introduces new features
2	Using the Command Line	Describes how to use the Command Line Interface (CLI)
3	Configuring the Interfaces	Describes configuring interfaces and verifying connectivity
4	IP Mobility	Introduces Cisco IP mobility

Chapter	Title	Description
5	Introduction to Radio Aware Routing and MANET	Provides an overview of the protocols supported for MANET.
6	Understanding and Configuring DLEP	Describes how to configure the Dynamic Link Exchange Protocol (DLEP).
7	Configuring R2CP	Describes how to configure the Router to Radio Control Protocol (R2CP). This feature is available on only the Cisco 5921 ESR.
8	Configuring PPPoE	Describes how to configure Point-to-Point Protocol over Ethernet (PPPoE).
9	OSPFv3 Address Families	Describes how to use OSPFv3 address families to route IPv6 packets over OSPFv3—using IPv4 or IPv6 addresses. This chapter also describes how to configure and use OSPFv3 address families in conjunction with MANETs and RAR.
10	Configuring OSPFv3 for a MANET	Describes how to configure OSPFv3 in a MANET.
11	Configuring EIGRP in a MANET	Describes how to configure the Enhanced Interior Gateway Routing Protocol (EIGRP) in a MANET.
12	Understanding and Configuring IP Multiplexing	Discusses IP multiplexing for satellite topologies.
13	Zeroization	Discusses erasing any and all potentially sensitive information in the router. his feature is available on only the Cisco 5930 ESR.
Appendix A	Command Reference	Describes the commands referenced in this book.
Appendix B	System Message Overview	Describes the system messages specific to Cisco IOS Release 15.2(4)GC.
Appendix C	Technical Support Reference	Provides information intended only for reference while working with a Cisco Support engineer.

Related Documentation

Documentation for Cisco IOS Release 15.4(3)T includes the following documents:

- *Release Notes for Cisco IOS Software Release 15.4(3)T*
  http://www.cisco.com/c/en/us/td/docs/solutions/GGSG-Engineering/15-4-3M/15-4-3M.html

- *IP Mobility: Mobile Networks Configuration Guide, Cisco IOS Release 15.2M&T*
  http://www.cisco.com/en/US/partner/docs/ios-xml/ios/mob_ip/configuration/15-2mt/mob-ip-15-2mt-book.html

- *Cisco 5921 ESR Integration Guide*
  http://www.cisco.com/en/US/docs/solutions/GGSG-Engineering/Cisco_5921/Cisco_5921_ESR_Integration.pdf

- *Installing Cisco IOS on the X-Pedite 5205*
  http://www.cisco.com/en/US/docs/solutions/GGSG-Engineering/15_2_3GC/Install/X-ES_Instructions.pdf

For all documentation related to the main release, Cisco IOS Release 15.2T, refer to the following URL:
http://www.cisco.com/en/US/partner/products/ps11746/tsd_products_support_series_home.html

For instructions on entering ROM Monitor code (ROMMON), refer to the following URL:

http://www.cisco.com/en/US/docs/ios-xml/ios/sys-image-mgmt/configuration/15-2mt/sysimgmgmt-rebooting.html#GUID-1CC6B514-7873-4B93-A4DE-8E5FE02A042E

Conventions

This document uses the following typographical conventions:

Convention	Description
boldface font	Commands, command options, and keywords are in **boldface**.
italic font	Command arguments for which you supply values are in *italics*.
[ ]	Command elements in square brackets are optional.
{ x | y | z }	Alternative keywords in command lines are grouped in braces and separated by vertical bars.
[x | y | z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string because the string will include the quotation marks.
`screen` font	System displays are in `screen` font.
`boldface screen` font	Information you must enter verbatim is in **`boldface screen`** font.
`italic screen` font	Arguments for which you supply values are in *`italic screen`* font.
⟶	This pointer highlights an important line of text in an example.
^	Represents the key labeled Control—for example, the key combination ^D in a screen display means hold down the Control key while you press the D key.
< >	Nonprinting characters such as passwords are in angle brackets.

Notes use the following conventions:

> **Note** Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the publication.

Cautions use the following conventions:

⚠️

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

Warnings use the following conventions:

⚠️

Warning **Safety warnings appear throughout this publication in procedures that, if performed incorrectly, may cause harm to you or the equipment. A warning symbol precedes each warning statement.**

Commands in Task Tables

Commands listed in task tables show only the relevant information for completing the task and not all available options for the command. For a complete description of a command, see Appendix A, "Command Reference."

Obtaining Documentation, Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at the following URL:

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