



Routing TCP/IP Volume I (CCIE Professional Development)

By Jeff Doyle

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A detailed examination of interior routing protocols

- Learn the IP interior routing protocols with this approachable, practical presentation
- Explore configuration and troubleshooting of IP routing with Cisco routers through case studies
- Test and validate your understanding with practical, comprehensive review questions, configuration exercises, and troubleshooting exercises
- Further your CCIE preparation while mastering the essential TCP/IP protocols

CCIE Professional Development: Routing TCP/IP, Volume I, takes readers from a basic understanding of routers and routing protocols through a detailed examination of each of the IP interior routing protocols: RIP, RIP2, IGRP, EIGRP, OSPF, and IS-IS. In addition to specific protocols, important general topics such as redistribution, default routes and on-demand routing, route filtering, and route maps are covered. The book emphasizes techniques for designing networks that efficiently utilize and integrate the IP routing protocols. You will gain a deep understanding of IP routing protocols and learn best-practice techniques for implementing these protocols using Cisco routers. As well, this book will help you master the skills necessary to become an effective CCIE.

Each protocol-specific chapter opens with thorough and lucid coverage of the protocol's capabilities and characteristics. Following sections contain configuration and troubleshooting case studies that cover Cisco specific configuration of the protocol and all commands available for it on the most recent Cisco IOS Software version. Finally, review questions and configuration and troubleshooting exercises on each protocol provide an opportunity to practice for the CCIE exam.

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