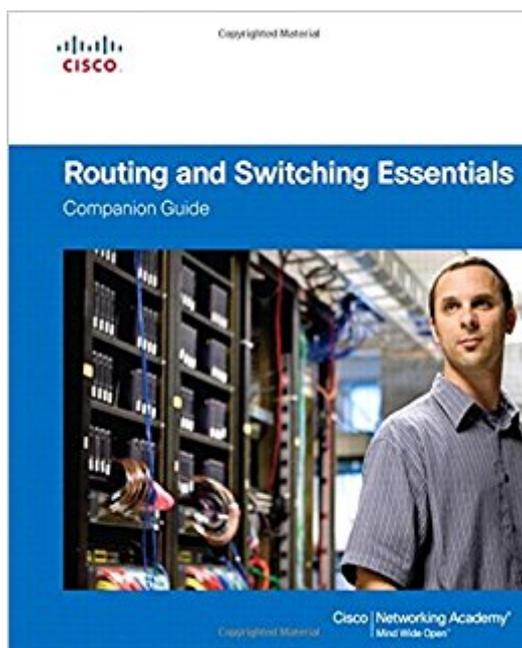


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# Routing And Switching Essentials Companion Guide



## Synopsis

Routing and Switching Essentials Companion Guide is the official supplemental textbook for the Routing and Switching Essentials course in the Cisco® Networking Academy® CCNA® Routing and Switching curriculum. This course describes the architecture, components, and operations of routers and switches in a small network. You learn how to configure a router and a switch for basic functionality. By the end of this course, you will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks. The Companion Guide is designed as a portable desk reference to use anytime, anywhere to reinforce the material from the course and organize your time. The book's features help you focus on important concepts to succeed in this course:

- Chapter objectives – Review core concepts by answering the focus questions listed at the beginning of each chapter.
- Key terms – Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter.
- Glossary – Consult the comprehensive Glossary with more than 200 terms.
- Summary of Activities and Labs – Maximize your study time with this complete list of all associated practice exercises at the end of each chapter.
- Check Your Understanding – Evaluate your readiness with the end-of-chapter questions that match the style of questions you see in the online course quizzes. The answer key explains each answer.
- Related Title: Routing and Switching Essentials Lab Manual
- How To – Look for this icon to study the steps you need to learn to perform certain tasks.
- Interactive Activities – Reinforce your understanding of topics by doing all the exercises from the online course identified throughout the book with this icon.
- Videos – Watch the videos embedded within the online course.
- Packet Tracer Activities – Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout the chapters.
- Hands-on Labs – Work through all the course labs and additional Class Activities that are included in the course and published in the separate Lab Manual.

## Book Information

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## Customer Reviews

In my opinion, it's nearly criminal what Cisco is doing here. I attended the first course of Cisco Networking Academy without a book. It's difficult reading online and too often you need to jump back and forth on slower-than-page-turning web pages to compare and make sense of information. Even after you find the correct web page, you may not be able to see the information until you stumble on to the correct clickable index link. It virtually forces you to buy the book. So, I bought this book to accomplish my reading offline while attending the second course. In virtually every case where there is a figure with a listing, the figure in the book is incomplete. They force you to go online to scroll a graphic to reveal the relevant information. That means this book is worthless outside of the short period of time your online subscription is valid. Once you lose access to the online course, you will lose access to the information which is critical to learning the subject this book claims to teach. Also, the book contains many mistakes. The good news for me is that I've studied and administrated over networks for many years and the subject of networking is familiar to me. My goal was to learn Cisco. I am disappointed at how Cisco teaches "Introduction to Networks" compared to other textbooks I own. Each new concept is presented in a confusing manner. Many of my fellow students of this Cisco course seem hopelessly confused. The value of Cisco knowledge is high. Also, they provide an excellent network simulator called Packet Tracer. However, for those new to the subject, I strongly suggest you learn network basics from another source before beginning your Cisco journey.

This book is basically used in ccna networking academy program and covers everything from scratch. I would say I never came across any book that explains routing protocols in such great detail from scratch. I came across this book back in 2008 and read latest edition recently. I found that this latest version is excellent as the previous one but Switching part I would say is pretty much repetitive and could be written in a short way. Overall I would highly recommend this book to guys who are fairly new in the networking world. It will also help you if you plan to do Masters in computer

networks.

I was hoping for a how to book for networking. I have been working with computers since 1977. I thought I knew enough about networking. Seems this book is more of a study guide to take a networking course which I do not have time for.

Overall, very good. Needs more index entries. Information is extensive but because so many items are not indexed, it is frustrating to use as a reference. Also, terminology used in the printed version sometimes varies from that used in the online version and tests.

Great book for anyone interested in networking. The book is easy to understand and not too convoluted with terms, examples, and steps.

Works great for my class. The class itself is really a fast pace. The Cisco class is an eight week course so there wasn't enough time to do many of the labs, just the packet tracer labs.

If you are serious about your career this one is a must have. We use it in class and I am very happy with it. Make sure you get the Lab manual as well.

Cisco offers great courses and they don't screw you over on textbooks like every other course and company!

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