

case studies. All the course portfolio documents and support materials are provided for you in this Learning Guide and on the CD-ROM. 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 with exercises from the online course identified throughout the book with this icon. The files for these activities are on the accompanying CD-ROM. Packet Tracer Activities—Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout some chapters. The files for these activities are on the accompanying CD-ROM. Packet Tracer v4.1 software developed by Cisco is available separately. Hands-on Labs—Master the practical, hands-on skills of the course by working through all 71 labs in this course included in Part II of the book. The labs are an integral part of the CCNA Discovery curriculum—review the core text and the lab material to prepare for all your exams. Companion CD-ROM **See instructions within the ebook on how to get access to the files from the CD-ROM that accompanies this print book.** The CD-ROM includes Interactive Activities Packet Tracer Activity files All Portfolio documents IT Career Information Taking Notes Lifelong Learning This book is part of the Cisco Networking Academy Series from Cisco Press®. Books in this series support and complement the Cisco Networking Academy curriculum.

Enterprise Networking, Security, and Automation (CCNA v7) Companion Guide is designed as a portable desk reference to use anytime, anywhere to reinforce the material from the Enterprise Networking, Security, and Automation 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 250 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. 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 with dozens of exercises from the online course identified throughout the book with this icon. Packet Tracer Activities - Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout the chapters and provided in the accompanying Labs & Study Guide book. Videos - Watch the videos embedded within the online course. Hands-on Labs - Work through all the course labs and additional Class Activities that are included in the course and published in the separate Labs & Study Guide. Part of the Cisco Networking Academy Series from Cisco Press, books in this series support and complement the Cisco Networking Academy curriculum.

"This course discusses the WAN technologies and network services required by converged applications in a complex network. The course allows you to understand the selection criteria of network devices and WAN technologies to meet network requirements. You will learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. You will also develop the knowledge and skills needed to implement IPsec and virtual private network (VPN) operations in a complex network."--Back cover.

Network Fundamentals, CCNA Exploration Companion Guide is the official supplemental textbook for the Network Fundamentals course in the Cisco® Networking Academy® CCNA® Exploration curriculum version 4. The course, the first of four in the new curriculum, is based on a top-down approach to networking. The Companion Guide, written and edited by Networking Academy instructors, is designed as a portable desk reference to use anytime, anywhere. The book's features reinforce the material in the course to help you focus on important concepts and organize your study time for exams. New and improved features help you study and 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 updated lists of networking vocabulary introduced and highlighted in context in each chapter. Glossary—Consult the comprehensive glossary with more than 250 terms. Check Your Understanding questions and answer key—Evaluate your readiness with the updated end-of-chapter questions that match the style of questions you see on the online course quizzes. The answer key explains each answer. Challenge questions and activities—Strive to ace more challenging review questions and activities designed to prepare you for the complex styles of questions you might see on the CCNA exam. The answer key explains each answer. How To—Look for this icon to study the steps you need to learn to perform certain tasks. Packet Tracer Activities— Explore networking concepts in activities interspersed throughout some chapters using Packet Tracer v4.1 developed by Cisco. The files for these activities are on the accompanying CD-ROM. Also available for the Network Fundamentals Course Network Fundamentals, CCNA Exploration Labs and Study Guide ISBN-10: 1-58713-203-6 ISBN-13: 978-1-58713-203-2 Companion CD-ROM **See instructions within the ebook on how to get access to the files from the CD-ROM that accompanies this print book.** The CD-ROM provides many useful tools and information to support your education: Packet Tracer Activity exercise files v4.1 VLSM Subnetting Chart Structured Cabling Exploration Supplement Taking Notes: a .txt file of the chapter objectives A Guide to Using a Networker's Journal booklet IT Career Information Tips on Lifelong Learning in Networking This book is part of the Cisco Networking Academy Series from Cisco Press®. The products in this series support and complement the Cisco Networking Academy online curriculum.

Teaching Students to Dig Deeper

IT Essentials Lab Manual, Version 6

Introduction to Networks Companion Guide

Swords Into Plowshares

CCNA 200-301 Official Cert Guide Library

Network Fundamentals, CCNA Exploration Companion Guide

Begin a successful career in cybersecurity operations by achieving Cisco Certified CyberOps Associate 200-201 certification Key Features Receive expert guidance on how to kickstart your career in the cybersecurity industry Gain hands-on experience while studying for the Cisco Certified CyberOps Associate certification exam Work through practical labs and exercises mapped directly to the exam objectives Book Description Achieving the Cisco Certified CyberOps Associate 200-201 certification helps you to kickstart your career in cybersecurity operations. This book offers up-to-date coverage of 200-201 exam resources to fully equip you to pass on your first attempt. The book covers the essentials of network security concepts and shows you how to perform security threat monitoring. You'll begin by gaining an in-depth understanding of cryptography and exploring the methodology for performing both host and network-based intrusion analysis. Next, you'll learn about the importance of implementing security management and incident response strategies in an enterprise organization. As you advance, you'll see why implementing defenses is necessary by taking an in-depth approach, and then perform security monitoring and packet analysis on a network. You'll also discover the need for computer forensics and get to grips with the components used to identify network intrusions. Finally, the book will not only help you to learn the theory but also enable you to gain much-needed practical experience for the cybersecurity industry. By the end of this Cisco cybersecurity book, you'll have covered everything you need to pass the Cisco Certified CyberOps Associate 200-201 certification exam, and have a handy, on-the-job desktop reference guide. What you will learn Incorporate security into your architecture to prevent attacks Discover how to implement and prepare secure designs Identify access control models for digital assets Identify point of entry, determine scope, contain threats, and remediate Find out how to perform malware analysis and interpretation Implement security technologies to detect and analyze threats Who this book is for This book is for students who want to pursue a career in cybersecurity operations, threat detection and analysis, and incident response. IT professionals, network security engineers, security operations center (SOC) engineers, and cybersecurity analysts looking for a career boost and those looking to get certified in Cisco cybersecurity technologies and break into the cybersecurity industry will also benefit from this book. No prior knowledge of IT networking and cybersecurity industries is needed.

The only authorized Lab Manual for the Cisco Networking Academy Networking Essentials course Curriculum Objectives. Networking is at the heart of the digital transformation. The network is essential to many business functions today, including business critical data and operations, cybersecurity, and so much more. This is a great course for developers, data scientists, cybersecurity specialists, and other professionals looking to broaden their networking domain knowledge. It's also an excellent launching point for students pursuing a wide range of career pathways--from cybersecurity to software development to business and more. No prerequisites required!

Start a career in networking Cisco Networking Essentials, 2nd Edition provides the latest for those beginning a career in networking. This book provides the fundamentals of networking and leads you through the concepts, processes, and skills you need to master fundamental networking concepts. Thinking of taking the CCENT Cisco Certified Entry Networking Technician ICND1 Exam 100-101? This book has you covered! With coverage of important topics and objectives, each chapter outlines main points and provides clear, engaging discussion that will give you a sound understanding of core topics and concepts. End-of-chapter review questions and suggested labs help reinforce what you've learned, and show you where you may need to backtrack and brush up before exam day. Cisco is the worldwide leader in networking products and services, which are used by a majority of the world's companies. This book gives you the skills and understanding you need to administer these networks, for a skillset that will serve you anywhere around the globe. Understand fundamental networking concepts Learn your way around Cisco products and services Gain the skills you need to administer Cisco routers and switches Prepare thoroughly for the CCENT exam If you're interested in becoming in-demand, network administration is the way to go; if you want to develop the skillset every company wants to hire, Cisco Networking Essentials, 2nd Edition gets you started working with the most widespread name in the business.

CCNA 200-301 Exam Cram, Sixth Edition This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. CCNA 200-301 Exam Cram, Sixth Edition is the perfect study guide to help you pass the Cisco 200-301 CCNA exam, providing coverage and practice questions for every exam topic. The book contains an extensive set of preparation tools, including topic overviews, exam alerts, Cram Savers, Cram Quizzes, chapter-ending review questions, author notes and tips, Packet Tracer labs, and an extensive glossary. The book also contains the extremely useful Cram Sheet tear-out: a collection of essential facts in an easy to review format. Covers the critical information you'll need to know to score higher on your CCNA exam! Understand networking fundamentals concepts, including network components, network topology architectures, physical interfaces and cabling types, TCP and UDP, wireless principals, switching concepts, and virtualization fundamentals Master IPv4 addressing and subnetting and configure IPv6 Configure and verify VLANs, interswitch connectivity, and Layer 2 discovery protocols Describe Rapid PVST+ Spanning Tree Protocol Compare Cisco Wireless Architectures and AP Modes Configure and verify IPv4 and IPv6 static routing and single area OSPF Understand DHCP, DNS, and other networking services like SNMP, syslog, SSH, and TFTP/FTP Configure and verify inside source NAT and NTP Enable security technologies including device access control, site-to-site and remote access VPNs, ACLs, Layer 2 security features, and wireless security protocols Understand how automation impacts network management, controller-based and software defined architectures, and Cisco DNA Center enabled device management Understand network programmability concepts, including characteristics of REST-based APIs (CRUD, HTTP verbs, and data encoding), configuration management mechanisms such as Puppet, Chef, and Ansible, and learn to Interpret JSON encoded data COMPANION WEBSITE The companion website provides access to several digital assets including the Glossary, hands-on Packet Tracer lab, the command reference and Cram Sheet. CCNA 200-301 Exam Cram, Sixth Edition Companion Website Access interactive study tools on this book's companion website, including the Glossary, Packet Tracer lab files, Command Reference, and Cram Sheet To access the companion website, simply follow these steps: 1. Go to www.pearsonitcertification.com/register. 2. Enter the print book ISBN: 9780136632887. 3. Answer the security question to validate your purchase. 4. Go to your account page. 5. Click on the Registered Products tab. 6. Under the book listing, click on the Access Bonus Content link. If you have any issues accessing the companion website, you can contact our support team by going to <http://pearsonitp.echelp.org>.

A Straightforward Approach to Understanding IPv6

Enterprise Networking, Security, and Automation (Ccnv7) Companion Guide & Labs and Study Guide Value Pack

Networking Essentials Lab Manual

Designing and Supporting Computer Networks, CCNA Discovery Learning Guide

Learn blue teaming strategies and incident response techniques to mitigate cybersecurity incidents

Switch Networ Compan Gui

Switching, Routing, and Wireless Essentials (CCNA v7) Companion Guide is designed as a portable desk reference to use anytime, anywhere to reinforce the material from the Switching, Routing, and Wireless Essentials 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 250 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. 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 with dozens of exercises from the online course identified throughout the book with this icon. Packet Tracer Activities -- Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout the chapters and provided in the accompanying Labs & Study Guide book. Videos -- Watch the videos embedded within the online course. Hands-on Labs -- Work through all the course labs and additional Class Activities that are included in the course and published in the separate Labs & Study Guide. Part of the Cisco Networking Academy Series from Cisco Press, books in this series support and complement the Cisco Networking Academy curriculum.

Switched Networks Companion Guide is the official supplemental textbook for the Switched Networks course in the Cisco® Networking Academy® CCNA® Routing and Switching curriculum. This course describes the architecture, components, and operations of a converged switched network. You will learn about the hierarchical network design model and how to configure a switch for basic and advanced functionality. By the end of this course, you will be able to troubleshoot and resolve common issues with Virtual LANs and inter-VLAN routing in a converged network. You will also develop the knowledge and skills needed to implement a WLAN in a small-to-medium network. 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 more than 300 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: Switched Networks Lab Manual ISBN-10: 1-58713-327-X ISBN-13: 978-1-58713-327-5 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 with all the different 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 Class Activities that are included in the course and published in the separate Lab Manual.

The only authorized Labs & Study Guide for the Cisco Networking Academy Switching, Routing, and Wireless Essentials v7.0 (SRWE) in the CCNA Routing and Switching curriculum. Each chapter of this book is divided into a Study Guide section followed by a Lab section. The Study Guide sections offer exercises that help you learn the concepts, configurations, and troubleshooting skills crucial to your success as a CCNA exam candidate. Each chapter is slightly different and includes some or all of the following types of exercises: Vocabulary Matching Exercises Concept Questions Exercises Skill-Building Activities and Scenarios Configuration Scenarios Packet Tracer Scenarios Troubleshooting Scenarios The Labs & Activities sections include all the labs and Packet Tracer activities from the online curriculum. If applicable, this section begins with a Command Reference, an exercise where the reader matches commands.

The only authorized Lab & Study Guide for the Cisco Networking Academy Enterprise Networking, Security, and Automation v7.0 (ENSA) course in the CCNA3 Routing and Switching curriculum. Each chapter of this book is divided into a Study Guide section followed by a Lab section. The Study Guide sections offer exercises that help you learn the concepts, configurations, and troubleshooting skills crucial to your success as a CCNA exam candidate. Each chapter is slightly different and includes some or all of the following types of exercises: Vocabulary Matching Exercises Concept Questions Exercises Skill-Building Activities and Scenarios Configuration Scenarios Packet Tracer Exercises Troubleshooting Scenarios The Labs & Activities sections include all the labs and Packet Tracer activities from the online curriculum. If applicable, this section begins with a Command Reference, an exercise where the reader matches commands.

Exam 45 Official Cert GdePub

IT Essentials Companion Guide v7

Ten Essential Skills for College and Career Readiness

CCNA 200-301 Official Cert Guide, Volume 1

31 Days Before Your CompTIA A+ Exams

Linking Schools

CCNA Routing and Switching Practice and Study Guide is designed with dozens of exercises to help you learn the concepts and configurations crucial to your success with the Interconnecting Cisco Networking Devices Part 2 (ICND2 200-101) exam. The author has mapped the chapters of this book to the last two Cisco Networking Academy courses in the CCNA Routing and Switching curricula, Scaling Networks and Connecting Networks. These courses cover the objectives of the Cisco Certified Networking Associate (CCNA) Routing and Switching certification. Getting your CCNA Routing and Switching certification means that you have the knowledge and skills required to successfully install, configure, operate, and troubleshoot a medium-sized routed and switched networks.

As a Cisco Networking Academy student or someone taking CCNA-related classes from professional training organizations, or college- and university-level networking courses, you will gain a detailed understanding of routing by successfully completing all the exercises in this book. Each chapter is designed with a variety of exercises, activities, and scenarios to help you: Review vocabulary Strengthen troubleshooting skills Boost configuration skills Reinforce concepts Research and analyze topics

Whether you are preparing for a career as a business manager, computer programmer or system designer, or you simply want to be an informed home computer user, West's DATA COMMUNICATIONS AND COMPUTER NETWORKS, 9th Edition provides an understanding of the essential features, operations and limitations of today's computer networks. You learn about systems both on premises and in the cloud as the author balances technical concepts with practical, everyday issues. Updates address the latest developments and practices in cloud business principles and security techniques, software-defined networking, 5G, the Internet of Things, data analytics and supporting remote workforces. This edition also covers the CompTIA's Cloud Essentials+ exam to help you prepare for this vendor-neutral, business-oriented cloud computing certification. Hands-on learning features and thought-provoking content also guide you through virtual networking technologies, industry convergence and wired and wireless LAN technologies. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

What does it really mean for students to be college and career ready? In this new edition of Teaching Students to Dig Deeper, Ben Johnson identifies the ten attributes students need for success, according to key research, the College Board, the ACT, and rigorous state standards. In order to thrive beyond high school, students must become... • Analytical thinkers • Critical thinkers • Problem solvers • Inquisitive • Opportunistic • Flexible • Open-minded • Teachable • Risk takers • Expressive But how? Johnson offers the answers, providing practical strategies and techniques for making the ten attributes come alive in the classroom, no matter what grade level or subject area you teach. With the book's strategies and tools, you will be inspired, armed, and ready to help all of your students think on a deeper level and expand their learning.

IT Essentials v6 Companion Guide supports the Cisco Networking Academy IT Essentials version 6 course. The course is designed for Cisco Networking Academy students who want to pursue careers in IT and learn how computers work, how to assemble computers, and how to safely and securely troubleshoot hardware and software issues. As CompTIA Approved Quality Content, the course also helps you prepare for the CompTIA A+ certification exams 220-901 and 220-902. Students must pass both exams to earn the CompTIA A+ certification. The features of the Companion Guide are designed to help you study and 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 updated lists of networking vocabulary introduced, and turn to the highlighted terms in context. Course section numbering—Follow along with the course heading numbers to easily jump online to complete labs, activities, and quizzes referred to within the text. Check Your Understanding Questions and Answer Key—Evaluate your readiness with the updated end-of-chapter questions that match the style of questions you see on the online course quizzes. This icon in the Companion Guide indicates when there is a hands-on Lab to do. All the Labs from the course are compiled and published in the separate book, IT Essentials v6 Lab Manual. Practicing and performing all these tasks will reinforce the concepts and help you become a successful PC technician.

Implementing and Administering Cisco Solutions: 200-301 CCNA Exam Guide

CCNA 2 V7 Labs and Study Guide

Routing Protocols Companion Guide

CCNA 200-301 Exam Cram

IT Essentials Course Booklet

IPv6 Fundamentals

Cisco Networking Academy Program: First-Year Companion Guide, Revised Printing, is the Cisco-approved textbook for Semesters 1 and 2 of the Cisco Networking Academy Program online curriculum. This textbook completes the online learning experience by providing easily accessible printed course material that tracks to Version 2.1 of the online curriculum. Specifically developed to help maximize the students training time both on and away from the computer. This newly revised printing includes extensive appendixes that incorporate the new topics from Version 2.1 of the online curriculum. New appendixes on computer basics and network troubleshooting and expanded sections on physics, electricity, and binary and hexadecimal conversion lay the groundwork for networking comprehension with Version 2.1 of the online curriculum.

Introduction to Networks Companion Guide is the official supplemental textbook for the Introduction to Networks course in the Cisco® Networking Academy® CCNA® Routing and Switching curriculum. The course introduces the architecture, structure, functions, components, and models of the Internet and computer networks. The principles of IP addressing and fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, you will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. 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 195 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: Introduction to Networks Lab Manual ISBN-10: 1-58713-312-1 ISBN-13: 978-1-58713-312-1 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 with more than 50 different 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 66 course labs and Class Activities that are included in the course and published in the separate Lab Manual. This book is part of the Cisco Networking Academy Series from Cisco Press®. Books in this series support and complement the Cisco Networking Academy curriculum.

Your Cisco Networking Academy Course Booklet is designed as a study resource you can easily read, highlight, and review on the go, wherever the Internet is not available or practical: The text is extracted directly, word-for-word, from the online course so you can highlight important points and take notes in the "Your Chapter Notes" section. Headings with the exact page correlations provide a quick reference to the online course for your classroom discussions and exam preparation. An icon system directs you to the online curriculum to take full advantage of the images embedded within the Networking Academy online course interface and reminds you to do the labs, interactive activities, packet tracer activities, watch videos, and take the chapter quizzes. The Course Booklet is a basic, economical paper-based resource to help you succeed with the Cisco Networking Academy Enterprise Networking, Security, and Automation v7.0 (ENSA) online course.

Introduction to Networks (CCNA v7) Companion Guide is designed as a portable desk reference to use anytime, anywhere to reinforce the material from the Introduction to Networks 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 250 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. 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 with dozens of 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. There are 40 exercises interspersed throughout the chapters and provided in the accompanying Labs & Study Guide book. Part of the Cisco Networking Academy Series from Cisco Press, books in this series support and complement the Cisco Networking Academy curriculum.

CCNA 2 V7 Course Booklet

CCNA Routing and Switching Practice and Study Guide

CCNA Security 210-260 Official Cert Guide

As a network administrator, auditor or architect, you know the importance of securing your network and finding security solutions you can implement quickly. This succinct book departs from other security literature by focusing exclusively on ways to secure Cisco routers, rather than the entire network. The rationale is simple: If the router protecting a network is exposed to hackers, then so is the network behind it. Hardening Cisco Routers is a reference for protecting the protectors. Included are the following topics: The importance of router security and where routers fit into an overall security plan Different router configurations for various versions of Cisco's IOS Standard ways to access a Cisco router and the security implications of each Password and privilege levels in Cisco routers Authentication, Authorization, and Accounting (AAA) control Router warning banner use (as recommended by the FBI) Unnecessary protocols and services commonly run on Cisco routers SNMP security Anti-spoofing Protocol security for RIP, OSPF, EIGRP, NTP, and BGP Logging violations Incident response Physical security Written by Thomas Akin, an experienced Certified Information Systems Security Professional (CISSP) and Certified Cisco Academic Instructor (CCAI), the book is well organized, emphasizing practicality and a hands-on approach. At the end of each chapter, Akin includes a Checklist that summarizes the hardening techniques discussed in the chapter. The Checklists help you double-check the configurations you have been instructed to make, and serve as quick references for future security procedures. Concise and to the point, Hardening Cisco Routers supplies you with all the tools necessary to turn a potential vulnerability into a strength. In an area that is otherwise poorly documented, this is the one book that will help you make your Cisco routers rock solid.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Routing and Switching Essentials v6 Companion Guide Routing and Switching Essentials v6 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. 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 250 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. · 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 with dozens of exercises from the online course identified throughout the book with this icon. · Packet Tracer Activities—Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout the chapters and provided in the accompanying Labs & Study Guide book. · Videos—Watch the videos embedded within the online course. · Hands-on Labs—Work through all the course labs and additional Class Activities that are included in the course and published in the separate Labs & Study Guide. This book is part of the Cisco Networking Academy Series from Cisco Press. Books in this series support and complement the Cisco Networking Academy curriculum.