
CcIE Security Version 4 Lab Workbook

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[CCIE Routing and Switching Practice Labs](#)
Pearson Education
Cisco CCIE Routing and Switching v5.0 Configuration Practice Labs presents you with three full configuration lab scenarios in exam style format to echo the real CCIE Routing and Switching v5.0 lab exam. This publication gives you the opportunity to put into practice your own extensive theoretical knowledge of subjects to find out how they interact

with each other on a larger complex scale. An "Ask the Proctor" section list of questions for each section helps provide clarity and maintain direction to ensure that you do not give up and check the answers directly if you find a task too challenging. After each lab, this eBook lets you compare configurations and routing tables with the required answers. You also can run through a lab de-brief, view configurations, and cut and paste configs into your own lab equipment for testing and verification. The point scoring for each question lets you know whether you passed or failed each lab. This extensive set of practice labs that sell for hundreds of dollars elsewhere helps you make sure you are fully prepared for the grueling CCIE lab exam experience. Integrated Security Technologies and Solutions Cisco Press This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. CCIE Routing and Switching Practice Labs (Digital Short Cut) Martin James Duggan ISBN-13: 978-1-58705-789-2 ISBN-10: 1-58705-789-1 "CCIE Routing and Switching Practice Labs" (Digital Short Cut) presents you with two full lab scenarios in exam style format to echo the real eight-hour CCIE Routing and Switching lab exam. This publication gives you the

opportunity to put into practice your own extensive theoretical knowledge of subjects in isolation to find out how they interact with each other on a larger complex scale. An "Ask the Proctor" list of questions for each section helps provide clarity and maintain direction to ensure that you do not give up and check the answers if you find a task too challenging. After each lab, this Digital Short Cut lets you compare configurations and routing tables with the required answers. You also can run through a lab debriefing, view configurations, and cut and paste configs into your own lab equipment for testing and verification. The point scoring for each question lets you know whether you passed or failed each lab. This extensive set of practice labs, which sells for hundreds of dollars elsewhere, helps you make sure you are fully prepared for the grueling CCIE lab exam experience.

About the Author Martin James Duggan, CCIE No. 7942, is a network architect for AT&T. He designs network solutions for customers globally and specializes in Campus LAN design and network reviews. Martin mentors colleagues through their Cisco qualifications and holds regular internal training classes. Before working at AT&T Martin was a network architect for IBM performing IP network designs and global network reviews.

Martin has been in the industry for 18 years and has focused on Cisco solutions for the past 11 years. Martin is the co-author of the Cisco Press "Routing and Switching Practice Labs "book." About the Technical Editors Maurilio de Paula Gorito, CCIE No. 3807, is a triple CCIE, having certified in Routing & Switching in 1998, WAN Switching in 2001, and Security in 2003. Maurilio has more than 18 years of experience in networking, including Cisco networks and IBM/SNA environments. Maurilio's experience includes the planning, designing, implementation, and troubleshooting of large IP networks running RIP, IGRP, EIGRP, BGP, OSPF, QoS, and SNA worldwide, including Brazil and the USA. He also has more than 7 years of experience in teaching technical classes at schools and companies. Maurilio currently works for Cisco as part of the CCIE Team. As a content lead, Maurilio is responsible for managing the content development process for the CCIE Routing & Switching lab and written exams, for being in touch with candidates as part of the CCIE customer service, and for proctoring CCIE Routing & Switching and CCIE Security Lab exams at the CCIE Lab in San Jose, California, USA. Maurilio also has presented power sessions at Cisco seminars. He holds degrees in

mathematics and pedagogy. Leah Lynch, CCIE No. 7220 (Routing and Switching), is the product manager for routing protocols and MPLS technologies on the Spirent TestCenter platform at Spirent Communications. Leah has more than 12 years of experience in the IT industry, with 10 years focused on heterogeneous internetwork environments, including banking, retail, medical, government, manufacturing, corporate, sales, network service provider, telecommunications, and mobile wireless networks. Leah also holds several other Cisco Certifications and is currently working on her Service Provider CCIE.

[Integrated Security Technologies and Solutions - Volume II](#) Cisco Press The official study guide helps you master all the topics on the CCNP Security VPN exam, including Configuring policies, inheritance, and attributes · AnyConnect Remote Access VPN solutions · AAA and Dynamic Access Policies (DAP) · High availability and performance · Clientless VPN solutions · SSL VPN with Cisco Secure Desktop · Easy VPN solutions · IPsec VPN clients and site-to-site VPNs The CD-ROM contains a free, complete practice exam. Includes

Exclusive Offer for 70% Off Premium Edition eBook and Practice Test Pearson IT Certification Practice Test minimum system requirements: Windows XP (SP3), Windows Vista (SP2), or Windows 7; Microsoft .NET Framework 4.0 Client; Pentium class 1GHz processor (or equivalent); 512 MB RAM; 650 MB disc space plus 50 MB for each downloaded practice exam. This volume is part of the Official Cert Guide Series from Cisco Press. Books in this series provide officially developed exam preparation materials that offer assessment, review, and practice to help Cisco Career Certification candidates identify weaknesses, concentrate their study efforts, and enhance their confidence as exam day nears. CCNP Security VPN 642-648 Official Cert Guide is a best of breed Cisco exam study guide that focuses specifically on the objectives for the CCNP Security VPN exam. Cisco Certified Internetwork Expert (CCIE) Howard Hooper shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on

increasing your understanding and retention of exam topics. CCNP Security VPN 642-648 Official Cert Guide presents you with an organized test-preparation routine through the use of proven series elements and techniques. “Do I Know This Already?” quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. The companion CD-ROM contains a powerful testing engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine also tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. CCNP Security VPN 642-648 Official Cert Guide is part of a

recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. [Network Security Technologies and Solutions \(CCIE Professional Development Series\)](#) Pearson Education Create and manage highly-secure Isec VPNs with IKEv2 and Cisco FlexVPN The IKEv2 protocol significantly improves VPN security, and Cisco 's FlexVPN offers a unified paradigm and command line interface for taking full advantage of it. Simple and modular, FlexVPN relies extensively on tunnel interfaces while maximizing compatibility with legacy VPNs. Now, two Cisco network security experts offer a complete, easy-to-understand, and practical introduction to IKEv2, modern IPsec VPNs, and FlexVPN. The authors explain each key concept, and then guide you through all facets of FlexVPN planning, deployment, migration, configuration, administration, troubleshooting, and optimization. You ' ll discover how IKEv2 improves on IKEv1, master key IKEv2 features, and learn how to apply them with Cisco FlexVPN. IKEv2 IPsec Virtual Private Networks offers practical design examples for many common

scenarios, addressing IPv4 and IPv6, servers, clients, NAT, pre-shared keys, resiliency, overhead, and more. If you're a network engineer, architect, security specialist, or VPN administrator, you'll find all the knowledge you need to protect your organization with IKEv2 and FlexVPN.

Understand IKEv2 improvements: anti-DDoS cookies, configuration payloads, acknowledged responses, and more
Implement modern secure VPNs with Cisco IOS and IOS-XE
Plan and deploy IKEv2 in diverse real-world environments
Configure IKEv2 proposals, policies, profiles, keyrings, and authorization
Use advanced IKEv2 features, including SGT transportation and IKEv2 fragmentation
Understand FlexVPN, its tunnel interface types, and IOS AAA infrastructure
Implement FlexVPN Server with EAP authentication, pre-shared keys, and digital signatures
Deploy, configure, and customize FlexVPN clients
Configure, manage, and troubleshoot the FlexVPN Load Balancer
Improve FlexVPN resiliency with dynamic tunnel source, backup peers, and backup tunnels
Monitor IPsec VPNs with AAA, SNMP, and Syslog
Troubleshoot connectivity, tunnel creation, authentication, authorization, data encapsulation, data encryption, and overlay routing
Calculate IPsec overhead and fragmentation
Plan your IKEv2 migration: hardware, VPN technologies, routing, restrictions, capacity, PKI, authentication, availability, and more

CCIE Security v3.0

Configuration Practice Labs

Pearson Education

Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020. Up the ante on your FirePOWER with Advanced FireSIGHT Administration exam prep
Securing Cisco Networks with Sourcefire IPS Study Guide, Exam 500-285, provides 100% coverage of the FirePOWER with Advanced FireSIGHT Administration exam objectives. With clear and concise information regarding crucial next-generation network security topics, this comprehensive

guide includes practical examples and insights drawn from real-world experience, exam highlights, and end of chapter reviews. Learn key exam topics and powerful features of the Cisco FirePOWER Services, including FireSIGHT Management Center, in-depth event analysis, IPS tuning and configuration, and snort rules language. Gain access to Sybex's superior online learning environment that includes practice questions, flashcards, and interactive glossary of terms. Use and configure next-generation Cisco FirePOWER services, including application control, firewall, and routing and switching capabilities
Understand how to accurately tune your systems to improve performance and network intelligence while leveraging powerful tools for more efficient event analysis
Complete hands-on labs to reinforce key concepts and prepare you for the practical applications portion of the examination
Access Sybex's online interactive learning environment and test bank, which includes an assessment test, chapter tests, bonus practice exam questions, electronic flashcards, and a searchable glossary
Securing

Cisco Networks with Sourcefire IPS Study Guide, Exam 500-285 provides you with the information you need to prepare for the FirePOWER with Advanced FireSIGHT Administration examination.

CCNP Security Identity Management Sise 300-715 Official Cert Guide John Wiley & Sons

Get prepared for your Information Security job search! Do you want to equip yourself with the knowledge necessary to succeed in the Information Security job market? If so, you've come to the right place. Packed with the latest and most effective strategies for landing a lucrative job in this popular and quickly-growing field, *Getting an Information Security Job For Dummies* provides no-nonsense guidance on everything you need to get ahead of the competition and launch yourself into your dream job as an Information Security (IS) guru. Inside, you'll discover the fascinating history, projected future, and current applications/issues in the IS field. Next, you'll get up to speed on the general educational concepts you'll be exposed to while earning your analyst certification and

the technical requirements for the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. For organizations of all sizes, the Cisco ASA product family offers powerful new tools for maximizing network security. Cisco ASA: All-in-One Firewall, IPS, Anti-X and VPN Adaptive Security Appliance, Second Edition, is Cisco's authoritative practitioner's guide to planning, deploying, managing, and troubleshooting security with Cisco ASA. Written by two leading Cisco security experts, this book presents each Cisco ASA solution in depth, offering comprehensive sample configurations, proven troubleshooting methodologies, and debugging examples. Readers will learn about the Cisco ASA Firewall solution and capabilities; secure configuration and troubleshooting of site-to-site and remote access VPNs; Intrusion Prevention System features built into Cisco ASA's Advanced Inspection and Prevention Security Services Module (AIP-SSM); and Anti-X features in the ASA Content Security and Control Security Services Module (CSC-SSM). This

obtaining an IS position. Finally, learn how to set yourself up for job hunting success with trusted and supportive guidance on creating a winning resume, gaining attention with your cover letter, following up after an initial interview, and much more. Covers the certifications needed for various jobs in the Information Security field Offers guidance on writing an attention-getting resume Provides access to helpful videos, along with other online bonus materials Offers advice on branding yourself and securing your future in Information Security If you're a student, recent graduate, or professional looking to break into the field of Information Security, this hands-on, friendly guide has you covered.

[CCNP and CCIE Enterprise Core ENCOR 350-401 Official Cert Guide](#) Cisco Press

& Learn the troubleshooting techniques that every IT professional running a Virtual Private Network (VPN) must master & & Experience real-world solutions through practice scenarios in each chapter & & An essential workplace reference guide for every VPN management site

Network Security Architectures Cisco Press

This is the eBook version of

new edition has been updated with detailed information on the latest ASA models and features. Everything network professionals need to know to identify, mitigate, and respond to network attacks with Cisco ASA Includes detailed configuration examples, with screenshots and command line references Covers the ASA 8.2 release Presents complete troubleshooting methodologies and architectural references *CCIE Wireless v3 Study Guide* John Wiley & Sons CCIE-level Cisco routing and switching guide for every CCNP Preparing for the CCIE Routing and Switching lab exam typically involves deep and lengthy study. But if you already possess the Cisco CCNP Routing and Switching certification, you already know much of what you'll need to succeed on CCIE's labs. This book will help you quickly bridge your remaining knowledge gaps and make the most of everything you already know. CCIE Routing and Switching v5.1 Foundations addresses every segment of the CCIE R&S Version 5 blueprint, helping you focus your study where it will do the most good: intense hands-on practice to deepen your current knowledge and thorough explanations of theoretical topics you haven't yet

encountered. Based on the author's industry-recognized CCIE prep classes, it includes 40+ detailed labs for real gear and platform emulators; structured illustrations of protocol and feature operation; and topic-specific labs to drive the theory home. It includes a full lab walkthrough of a complex configuration reflective of the actual CCIE—ensuring that you thoroughly understand the technologies and interactions you're reading about. Discover the physical topology for any network deployment Master Spanning Tree Protocol (STP) foundations and advanced features Deploy and optimize PPP and use its full set of capabilities Implement Dynamic Multipoint VPNs (DMVPNs) from start to finish Use IP Prefix lists in prefix filtration, packet filtering, and other applications Handle any RIPv2 deployment scenario n Implement EIGRP, including classical and named operation modes and interoperation Use advanced OSPF techniques, including route filtration, LSA operation, stub configurations, and update filtering Understand what happens when you perform redistribution, and manage problematic scenarios Manage complex BGP capabilities, including Adjacency State Machine Operate IPv6 in complex network environments, including DMVPN Focus on

QoS mechanisms that CCIE still covers, including traffic marking, classification, policing, and shaping Deploy IPsec VPN solutions including GRE/IPSec tunnel mode, multi-site VPN technologies, and their encryption Implement multicasting in environments requiring end-to-end IPv4 and IPv6 transport Address operational and deployment issues involving MPLS VPNv4 tunnels

CCIE Security v4.0 Practice Labs Cisco Press

The essential reference for security pros and CCIE Security candidates: identity, context sharing, encryption, secure connectivity and virtualization Integrated Security Technologies and Solutions – Volume II brings together more expert-level instruction in security design, deployment, integration, and support. It will help experienced security and network professionals manage complex solutions, succeed in their day-to-day jobs, and prepare for their CCIE Security written and lab exams. Volume II focuses on the Cisco Identity Services Engine, Context Sharing, TrustSec, Application Programming Interfaces (APIs), Secure Connectivity with VPNs, and the virtualization and

automation sections of the CCIE v5 blueprint. Like Volume I, its strong focus on interproduct integration will help you combine formerly disparate systems into seamless, coherent, next-generation security solutions. Part of the Cisco CCIE Professional Development Series from Cisco Press, it is authored by a team of CCIEs who are world-class experts in their Cisco security disciplines, including co-creators of the CCIE Security v5 blueprint. Each chapter starts with relevant theory, presents configuration examples and applications, and concludes with practical troubleshooting. Review the essentials of Authentication, Authorization, and Accounting (AAA) Explore the RADIUS and TACACS+ AAA protocols, and administer devices with them Enforce basic network access control with the Cisco Identity Services Engine (ISE) Implement sophisticated ISE profiling, EzConnect, and Passive Identity features Extend network access with BYOD support, MDM integration, Posture Validation, and Guest Services Safely share context with ISE, and implement pxGrid and Rapid Threat Containment Integrate

ISE with Cisco FMC, WSA, and other devices Leverage Cisco Security APIs to increase control and flexibility Review Virtual Private Network (VPN) concepts and types Understand and deploy Infrastructure VPNs and Remote Access VPNs Virtualize leading Cisco Security products Make the most of Virtual Security Gateway (VSG), Network Function Virtualization (NFV), and microsegmentation *CCIE Security Exam Certification Guide* Cisco Press Best Selling Cisco Author Todd Lammle has just completed his newest study guide: CCNP Security Securing Networks with Cisco Firepower (SNCF) 300-710-the most popular CCNP Security elective! This book, written by the preeminent Cisco Firepower expert, thoroughly covers the Cisco CCNP SNCF exam objectives in a step-by-step, user friendly manner that will help get you through the grueling Cisco exam the first time! Covers ALL the CCNP Security Cisco Firepower SNCF 300-710 exam objectives! Real life examples abound in this book! You will go step-by-step through setting up a Cisco Firepower Management Center (FMC) and Cisco Firepower Threat Defense (FTD), as well as the Firepower 7000/8000 Appliances. Learn the following: Install a virtual and hardware FMC with System configuration, licensing and

health policy, and then bring your devices into the FMC to be managed. Install a Cisco Firepower Appliance using inline, passive, switching, routing and BVI. Includes 4100/9300 Install with FXOS and Chassis Manager in-depth! Learn and configure High Availability for hardware FMC's and all FTD devices, followed by an intense monitoring and troubleshooting section. Configure FXOS Chassis Manager and bring up a virtual FTD and ASA image, as well as RadWare. Configure multi-instance on the Chassis manager, and then understand what a cluster is and how to configure a cluster. Most importantly, understand the traffic flow which is very important or the exam and not written anywhere else! Learn about FTD 1000/2100/4100 and 9300 new Devices and how to install, perform password recovery and how to bring them into a FMC! Install a Cisco Firepower Threat Defense (FTD) and configure it with IP addresses, IP routing, NAT and VPN. Prepare it to be managed by a FMC Configure the full Snort process of Security Intelligence (SI), Prefilter, DNS Policy, SSL Policy, Network Analyst Policy (NAP), AD Identity Policy and Realms, the main Access Control Policy, QoS, Firepower Network Discovery, File & Malware Policy, IPS policy, Advanced IPS policy, User Management, Advanced Network Analysis and more! Experience the detailed step-by-step building of an intense and detailed Access Control Policy (ACP), designed by the most experienced Firepower instructor/consultant that you can

use in your own network! Learn how to tune your Cisco FMC policies with advanced network analysis tools found only in this book! Create, configure and manage a Cisco Snort IPS policy in detail, and fine tune it! Created by an author with more than 30 years' experience in Cisco, and over 10,000 FTD device installs! The amount of Cisco Firepower knowledge in this book cannot be beat! This book is focused on the CCNP Security Cisco Firepower SNCF objectives! You Will Pass! Add a

www.lammle.com/firepower membership to gain intense practice questions, detailed videos that go through every chapter of this book, and also rent pods for lab practice!

CCNP and CCIE Security Core SCOR 300-701 Official Cert Guide CCIE Security Practice Labs
Plan and deploy identity-based secure access for BYOD and borderless networks Using Cisco Secure Unified Access Architecture and Cisco Identity Services Engine, you can secure and regain control of borderless networks in a Bring Your Own Device (BYOD) world. This book covers the complete lifecycle of protecting a modern borderless network using these advanced solutions, from planning an architecture through deployment, management, and troubleshooting. Cisco ISE for BYOD and Secure Unified Access begins by reviewing the business case for an identity solution. Next, you'll walk through identifying users, devices, and security posture; gain a deep understanding of

Cisco's Secure Unified Access solution; and master powerful techniques for securing borderless networks, from device isolation to protocol-independent network segmentation. You'll find in-depth coverage of all relevant technologies and techniques, including 802.1X, profiling, device onboarding, guest lifecycle management, network admission control, RADIUS, and Security Group Access. Drawing on their cutting-edge experience supporting Cisco enterprise customers, the authors present detailed sample configurations to help you plan your own integrated identity solution. Whether you're a technical professional or an IT manager, this guide will help you provide reliable secure access for BYOD, CYOD (Choose Your Own Device), or any IT model you choose. Review the new security challenges associated with borderless networks, ubiquitous mobility, and consumerized IT Understand the building blocks of an Identity Services Engine (ISE) solution Design an ISE-Enabled network, plan/distribute ISE functions, and prepare for rollout Build context-aware security policies Configure device profiling, endpoint posture assessments, and guest services Implement secure guest lifecycle management, from WebAuth to sponsored guest access Configure ISE, network access devices, and supplicants, step-by-step Walk through a phased deployment that ensures zero downtime Apply best practices to avoid the pitfalls of BYOD secure access Simplify administration with self-service onboarding and registration Deploy Security Group Access,

Cisco's tagging enforcement solution Add Layer 2 encryption to secure traffic flows Use Network Edge Access Topology to extend secure access beyond the wiring closet Monitor, maintain, and troubleshoot ISE and your entire Secure Unified Access system
Integrated Security Technologies and Solutions - Volume I Cisco Press
bull; Prepare for the grueling one-day CCIE lab exam with 10 comprehensive practice labs bull; Focus your learning into scenarios that mimic the actual exam setting bull; Written by a CCIE lab exam proctor, and approved and endorsed by the CCIE Routing and Switching program manager
CCIE Practical Studies Pearson Education
Trust the best-selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. * Master Cisco CCNP/CCIE ENCOR exam topics * Assess your knowledge with chapter-opening quizzes * Review key concepts with exam preparation tasks This is the eBook edition of the CCNP and CCIE Enterprise Core ENCOR 350-401 Official Cert Guide. This eBook does not include access to the Pearson Test Prep practice exams that comes with the print edition. CCNP and CCIE Enterprise Core ENCOR 350-401 Official Cert Guide presents you with an organized

test preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. CCNP and CCIE Enterprise Core ENCOR 350-401 Official Cert Guide focuses specifically on the objectives for the Cisco CCNP/CCIE ENCOR 350-401 exam. Networking experts Brad Edgeworth, Ramiro Garza Rios, Dave Hucaby, and Jason Gooley share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. This complete study package includes:

- * A test-preparation routine proven to help you pass the exams
- * Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section
- * Chapter-ending exercises, which help you drill on key concepts you must know thoroughly
- * Practice exercises that help you enhance your knowledge
- * More than 90 minutes of video mentoring from the author
- * A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies
- * Study plan suggestions and templates to help you organize and optimize your study time

Well regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The official study guide helps you master all the topics on the CCNP/CCIE ENCOR exam, including:

- * Enterprise network architecture
- * Virtualization
- * Network assurance
- * Security
- * Automation

Ccie/CCNP Security SnCF 300-710 Cisco Press
Expert solutions for securing network infrastructures and VPNs Build security into the network by defining zones, implementing secure routing protocol designs, and building safe LAN switching environments Understand the inner workings of the Cisco PIX Firewall and analyze in-depth Cisco PIX Firewall and Cisco IOS Firewall features and concepts Understand what VPNs are and how they are implemented with protocols such as GRE, L2TP, and IPSec Gain a packet-level understanding of the IPSec suite of protocols, its associated encryption and hashing functions, and authentication techniques Learn how network attacks can be categorized and how the Cisco IDS is designed and can be set up to protect against them Control network access by learning how AAA fits into the Cisco security model and by implementing RADIUS and TACACS+ protocols Provision service provider security using ACLs, NBAR, and CAR to identify and control attacks Identify and resolve common implementation failures by evaluating real-world troubleshooting scenarios As organizations increase their dependence on networks for core business processes and increase access to remote sites and mobile workers via virtual private networks (VPNs), network security becomes more and more critical. In today's networked era, information is an organization's most valuable resource. Lack of customer, partner, and employee access to e-commerce and data servers can impact both revenue and productivity. Even so, most networks do not have the proper degree of security. *Network Security Principles and Practices* provides an in-depth understanding of the policies, products, and expertise that brings organization to this extremely complex topic and boosts your confidence in the performance and integrity of your network systems and services. Written by the CCIE engineer who wrote the CCIE Security lab exam and who helped develop the CCIE Security written exam, *Network Security Principles and Practices* is the first book to help prepare candidates for the CCIE Security exams. *Network Security Principles and*

Practices is a comprehensive guide to network security threats and the policies and tools developed specifically to combat those threats. Taking a practical, applied approach to building security into networks, the book shows you how to build secure network architectures from the ground up. Security aspects of routing protocols, Layer 2 threats, and switch security features are all analyzed. A comprehensive treatment of VPNs and IPsec is presented in extensive packet-by-packet detail. The book takes a behind-the-scenes look at how the Cisco PIX(r) Firewall actually works, presenting many difficult-to-understand and new Cisco PIX Firewall and Cisco IOS(r) Firewall concepts. The book launches into a discussion of intrusion detection systems (IDS) by analyzing and breaking down modern-day network attacks, describing how an IDS deals with those threats in general, and elaborating on the Cisco implementation of IDS. The book also discusses AAA, RADIUS, and TACACS+ and their usage with some of the newer security implementations such as VPNs and proxy authentication. A complete section devoted to service provider techniques for enhancing customer security and providing support in the event of an attack is also included. Finally, the book

concludes with a section dedicated to discussing tried-and-tested troubleshooting tools and techniques that are not only invaluable to candidates working toward their CCIE Security lab exam but also to the security network administrator running the operations of a network on a daily basis.

Getting an Information Security Job For Dummies
Cisco Press

This is Cisco's official, comprehensive self-study resource for Cisco's SISE 300-715 exam (Implementing and Configuring Cisco Identity Services Engine), one of the most popular concentration exams required for the Cisco Certified Network Professional (CCNP) Security certification. It will thoroughly prepare network professionals to deploy and use Cisco ISE to simplify delivery of consistent, highly secure access control across wired, wireless, and VPN connections. Designed for all CCNP Security candidates, CCNP Security Identity Management SISE 300-715 Official Cert Guide covers every SISE #300-715 objective concisely and logically, with extensive teaching features designed to promote retention and understanding. You'll find: Pre-chapter quizzes to assess knowledge upfront and focus your study more efficiently
Foundation topics sections that

explain concepts and configurations, and link theory to practice
Key topics sections calling attention to every figure, table, and list you must know
Exam Preparation sections with additional chapter review features
Final preparation chapter providing tools and a complete final study plan
A customizable practice test library
CCNP Security Identity Management SISE 300-715 Official Cert Guide offers comprehensive, up-to-date coverage of all SISE #300-715 Cisco Identity Services Engine topics related to: Architecture and deployment Policy enforcement Web Auth and guest services Profiler BYOD Endpoint compliance Network access device administration
Cisco ISE for BYOD and Secure Unified Access Cisco Press
CCIE Routing and Switching v4.0 Configuration Practice Labs
Martin James Duggan ISBN-10: 1-58714-213-9 ISBN-13: 978-1-58714-213-0
CCIE Routing and Switching v4.0 Configuration Practice Labs presents you with three full configuration lab scenarios in exam style format to echo the real CCIE Routing and Switching v4.0 lab exam. This publication gives you the opportunity to put into practice your own extensive theoretical knowledge of subjects to find out how they interact with each other on a larger complex scale. An "Ask the Proctor" section list of questions for each section helps provide clarity and maintain direction to ensure that you do not give up and check the

answers directly if you find a task too challenging. After each lab, this eBook lets you compare configurations and routing tables with the required answers. You also can run through a lab debrief, view configurations, and cut and paste configs into your own lab equipment for testing and verification. The point scoring for each question lets you know whether you passed or failed each lab. This extensive set of practice labs that sell for hundreds of dollars elsewhere helps you make sure you are fully prepared for the grueling CCIE lab exam experience.

CCIE Routing and Switching v5.1 Foundations Cisco Press

bull; Gain a comprehensive view of network security issues and concepts, then master specific implementations based on your network needs bull; Learn how to use new and legacy Cisco Systems equipment to secure your networks bull; Understand how to design and build security services while also learning the legal and network accessibility impact of those services

[Integrated Security Technologies and Solutions - Volume I](#) Cisco Press

CCNP Security SISAS 300-208 Official Cert Guide is a comprehensive self-study tool for preparing for the latest CCNP Security SISAS exam. Complete coverage of all exam topics as posted on the exam topic

blueprint ensures readers will arrive at a thorough understanding of what they need to master to succeed on the exam. The book follows a logical organization of the CCNP Security exam objectives. Material is presented in a concise manner, focusing on increasing readers' retention and recall of exam topics. Readers will organize their exam preparation through the use of the consistent features in these chapters, including: Pre-chapter quiz - These quizzes allow readers to assess their knowledge of the chapter content and decide how much time to spend on any given section. Foundation Topics - These sections make up the majority of the page count, explaining concepts, configurations, with emphasis on the theory and concepts, and with linking the theory to the meaning of the configuration commands. Key Topics - Inside the Foundation Topics sections, every figure, table, or list that should absolutely be understood and remembered for the exam is noted with the words Key Topic in the margin. This tool allows the reader to quickly review the most important details in each chapter. Exam Preparation - This ending section of each chapter includes three additional features for review and study, all designed to help the reader remember the details as well as to get more depth. Readers will be instructed to review key topics from the chapter, complete tables and lists from memory, and define key terms. Final Preparation Chapter - This final chapter details a set of tools and a study plan to help readers complete their preparation

for the exams. CD-ROM Practice Test - The companion CD-ROM contains a set of customizable practice tests.

CCIE Routing and Switching Certification Guide Cisco Press

CCIE Security Practice Labs Cisco Press