

# Lab Guide

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## Overview

This guide presents the instructions and other information required to complete the lab activities for this course. You can find the solutions in the lab activity **Answer Key**.

## Outline

This guide includes these activities:

- **Lab 1-1: Configuring Advanced Switched Data Plane Security Controls**
- **Lab 1-2: Configuring Advanced Infrastructure Security Controls**
- **Lab 2-1: Configuring Basic Zone-Based Policy Firewall Features**
- **Lab 2-2: Configuring Advanced Zone-Based Policy Firewall Features**
- **Lab 2-3: Configuring Cisco IOS Software IPS**
- **Lab 3-1: Configuring a PKI-Based Site-to-Site IPsec VPN**
- **Lab 3-2: Configuring Cisco IOS Software DMVPN Spokes**
- **Lab 3-3: Configuring GBT VPN Group Members**
- **Lab 4-1: Configuring a Cisco IOS Software SSL VPN Gateway**
- **Lab 4-2: Configuring Cisco Easy VPN**
- **Answer Key**

# Ccnp Security Secure Lab Guide 1

**Sabine Zange**

## **Ccnp Security Secure Lab Guide 1:**

### **CCNP Security Cisco Secure Firewall and Intrusion Prevention System Official Cert Guide** Nazmul

Rajib,2022-07-25 This is the eBook edition of the CCNP Security Cisco Secure Firewall and Intrusion Prevention System Official Cert Guide This eBook does not include access to the companion website with practice exam that comes with the print edition 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 and to excel in your day to day security work Master the topics on the CCNP Security concentration exam that focuses on the Cisco Secure Firewall and IPS formerly known as Cisco Firepower Assess your knowledge with chapter opening quizzes Review key concepts with exam preparation tasks CCNP Security Cisco Secure Firewall and Intrusion Prevention System 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 Security Cisco Secure Firewall and Intrusion Prevention System Official Cert Guide specifically covers the objectives for the CCNP Security concentration exam that focuses on the Cisco Secure Firewall and IPS formerly known as Cisco Firepower Long time Cisco security insider Nazmul Rajib 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 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 This official study guide helps you master the topics on the CCNP Security concentration exam that focuses on the Cisco Secure Firewall and IPS formerly known as Cisco Firepower Use it to deepen your knowledge of Configurations Integrations Deployments Management Troubleshooting and more

*CCNP Security VPN 642-648 Official Cert Guide* Howard Hooper,2012-06-22 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

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**CCNP: Building Cisco Remote Access Networks Study Guide (Exam 642-821)** Robert Padjen, 2003-12-26 Here's the book you need to prepare the latest Building Cisco Remote Access Networks BCRAN exam 642 821 This Study Guide provides In depth coverage of key exam topics Practical information on planning configuring and troubleshooting Cisco remote access networks Hundreds of challenging review questions Leading edge exam preparation software including a test engine sample simulation questions and electronic flashcards Authoritative coverage of all exam objectives including Providing remote access to a network with asynchronous dial in Frame Relay ISDN cable modem and DSL Managing traffic flow on WAN links Using PPP as an access and encapsulation method Configuring access control to manage and limit remote access Configuring VPN operation using Cisco IOS Configuring Network Address Translation NAT Planning a Cisco ISDN solution for remote access or primary link back up Design a Cisco frame relay infrastructure Troubleshooting non functional remote access systems Troubleshooting traffic control problems on a WAN link

**CCNP: Building Scalable Cisco Internetworks Study Guide** Carl Timm, Wade Edwards, 2003-12-09 Here's the book you need to prepare for Cisco's Building Scalable Cisco Internetworks BSCI exam 642 801 This Study Guide provides In depth coverage of key exam topics Practical information on designing and implementing

scalable Cisco internetworks Hundreds of challenging review questions Leading edge exam preparation software including a test engine and electronic flashcards Authoritative coverage of all exam objectives including Using classful classless distance vector and link state routing protocols Using VLSM to extend IP addresses Configuring EIGRP OSPF BGP and IS IS environments Configuring and verifying router redistribution in a network Configuring policy based routing using route maps Utilizing the three layer hierarchical design model Identifying IP addressing schemes including features of IPv6 Verifying OSPF operation in a single and multiple areas Ensuring proper operation of Integrated IS IS on Cisco routers Interpreting the output of various show and debug commands Note CD ROM DVD and other supplementary materials are not included as part of eBook file *Mastering Cisco Routers* Chris Brenton, Bob Abuhoff, Andrew Hamilton, Gary C. Kessler, 2002-07-05

Mastering Cisco Routers takes a practical approach to what users need to know to use Cisco routers in the real world Written by an internetworking expert this book illustrates the business case for switching and routing then shows how hubs bridges and Layer 2 switches fit into a network *Network Security 1 and 2 Companion Guide* Antoon W. Ruij, 2006 The only authorized Companion Guide for the Cisco Networking Academy Program The Network Security 1 and 2 Companion Guide is designed as a portable desk reference to be used with version 2.0 of the Cisco Networking Academy Program curriculum The author reinforces the material in the two courses to help you to focus on important concepts and to organize your study time for exams This book covers the overall security process based on security policy design and management with an emphasis on security technologies products and solutions The book also focuses on security appliance and secure router design installation configuration and maintenance The first section of this book covers authentication authorization and accounting AAA implementation using routers and security appliances and securing the network at both Layer 2 and Layer 3 of the OSI reference model The second section of this book covers intrusion prevention system IPS implementation using routers and security appliances and virtual private network VPN implementation using routers and security appliances New and improved features help you study and succeed in this course Chapter objectives Review core concepts by answering the questions at the beginning of each chapter Key terms Note the networking vocabulary to be introduced and refer to the highlighted terms in context in that chapter Scenarios and setup sequences Visualize real life situations with details about the problem and the solution Chapter Summaries Review a synopsis of the chapter as a study aid Glossary Consult the all new glossary with more than 85 terms Check Your Understanding questions and answer key Evaluate your readiness to move to the next chapter with the updated end of chapter questions The answer appendix explains each answer Lab References Stop when you see this icon and perform the related labs in the online curriculum Companion CD ROM The CD ROM includes Interactive Media Elements More than 95 activities that visually demonstrate some of the topics in the course Additional Resources Command reference and materials to enhance your experience with the curriculum *CCNA Fast Pass* Todd Lammle, Sean Odom, 2003-12-12 The Perfect CCNA Preparation and Review Tool From the author of Sybex's best selling

CCNA Cisco Certified Network Associate Study Guide comes the streamlined tool you need to hone in on critical CCNA information CCNA Fast Pass The enclosed CD lets you practice practice practice so you can approach the exam with confidence Coverage includes Designing internetworks using Cisco technology Developing an access List Evaluating TCP IP communication process Configuring routers and switches Configuring IP addresses subnet masks and gateway addresses Performing LAN VLAN and WAN troubleshooting Understanding rules for packet control Note CD ROM DVD and other supplementary materials are not included as part of eBook file

**The British National Bibliography** Arthur James

Wells,2009 **Forthcoming Books** Rose Arny,2002 *Subject Guide to Books in Print* ,1991 **CCNA Security Lab**

**Manual Version 2** Cisco Networking Cisco Networking Academy,2015-11-09 The Cisco R Networking Academy R course on CCNA R Security is a hands on career oriented e learning solution with an emphasis on practical experience to help students develop specialized security skills to expand their CCENT level skill set and advance their career The curriculum helps prepare students for entry level security career opportunities and the Implementing Cisco IOS R Network Security IINS certification exam 210 260 leading to the Cisco CCNA Security certification The CCNA Security Lab Manual provides all 15 labs from the course designed as hands on practice to develop critical thinking and complex problem solving skills needed to prepare for entry level security specialist careers Through procedural skills integration challenges troubleshooting and model building labs this CCNA Security course aims to develop in depth understanding of network security principles as well as the tools and configurations used

**CCNP Security Secure 642-637 Official Cert Guide** Sean Wilkins,Franklin H.

Smith,2011 CCNP Security Secure 642 637 Official Cert Guide is a comprehensive self study tool for preparing for the Secure exam This book teaches you how to secure Cisco IOS Software router and switch based networks and provide security services based on Cisco IOS Software Complete coverage of all exam topics as posted on the exam topic blueprint ensures you will arrive at a thorough understanding of what you need to master to succeed on the exam The book follows a logical organization of the Secure exam objectives Material is presented in a concise manner focusing on increasing your retention and recall of exam topics Research description page

**CCNA Security Lab Manual Version 2** ,2015 Integrated

Security Technologies and Solutions - Volume II Aaron Woland,Vivek Santuka,Chad Mitchell,Jamie Sanbower,2019 Integrated Security Technologies and Solutions Volume II is part of the Cisco CCIE Professional Development Series from Cisco Press which offers expert level instruction in security design deployment integration and support methodologies to help security professionals manage complex solutions and prepare for their CCIE exams A one stop expert level guide for all aspects of Cisco Security this guide will help security pros succeed in their day to day jobs as they get ready for their CCIE Security written and lab exams This guide has been written by a team of CCIEs who are world class experts in their respective Cisco Security disciplines including experts who were involved in creating the new CCIE Security 5 0 blueprint and possess unsurpassed understanding of its requirements Each chapter starts with relevant theory progresses through configuration

examples and applications and concludes with practical troubleshooting sections Volume 1 focuses on Identity Context Sharing Encryption Secure Connectivity and Virtualization Security With a strong focus on inter product integration it also shows how to combine formerly disparate systems into a seamless coherent next generation security solution **Build Your Own Security Lab** Michael Gregg,2008-04-15 If your job is to design or implement IT security solutions or if you're studying for any security certification this is the how to guide you've been looking for Here's how to assess your needs gather the tools and create a controlled environment in which you can experiment test and develop the solutions that work With liberal examples from real world scenarios it tells you exactly how to implement a strategy to secure your systems now and in the future Note CD ROM DVD and other supplementary materials are not included as part of eBook file **CCNP Security**

**Secure 642-637 Quick Reference** Andrew Mason,2010-12-21 As a final exam preparation tool the CCNP Security SECURE 642637 Quick Reference provides a concise review of all objectives on the new CCNP Security SECURE exam 642 637 This eBook provides you with detailed graphical based information highlighting only the key topics in cram style format With this document as your guide you will review topics on layer 2 security Network Address Translation NAT Cisco IOS firewall Cisco IOS IPS VPNs and Cisco network foundation protection This fact filled Quick Reference allows you to get all important information at a glance helping you to focus your study on areas of weakness and to enhance memory retention of essential exam concepts *CCNP Security IPS 642-627 Official Cert Guide* David Burns,Odunayo Adesina,Keith Barker,2012 CCNP Security IPS 642 627 Official Cert Guide David Burns Odunayo Adesina CCIE No 26695 Keith Barker CCIE No 6783 Master CCNP Security IPS 642 627 exam topics Assess your knowledge with chapter opening quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions on the CD ROM Learn prepare and practice for exam success CCNP Security IPS 642 627 Official Cert Guide is a best of breed Cisco exam study guide that focuses specifically on the objectives for the CCNP Security IPS exam Senior security engineers David Burns Odunayo Adesina and Keith Barker 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 CCNP Security IPS 642 627 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 the powerful Pearson IT Certification Practice Test 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

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Security Category Cisco Press Cisco Certification Covers CCNP Security IPS 642 627 **CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide** Joseph Muniz, James Risler, Steven Chimes, 2021-12-07 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 Implementing Secure Solutions with Virtual Private Networks SVPN 300-730 exam topics. Assess your knowledge with chapter opening quizzes. Review key concepts with exam preparation tasks. This is the eBook edition of the CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide. This eBook does not include access to the companion website with practice exam that comes with the print edition. CCNP Security Virtual Private Networks SVPN 300-730 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 Security Virtual Private Networks SVPN 300-730 Official Cert Guide focuses specifically on the objectives for the CCNP Security SVPN exam. Three leading Cisco security technology experts 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. 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. It helps you master all the topics on the Implementing Secure Solutions with Virtual Private Networks SVPN

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