



# Ccna Security Instructor Manual

**Ying Liu**



## **Ccna Security Instructor Manual:**

*CCNA Security Lab Manual Version 1.2* Cisco Networking Academy, 2014-09-25 CCNA Security Lab Manual Version 1 2 The only authorized Lab Manual for the Cisco Networking Academy CCNA Security course The Cisco Networking Academy course on CCNA Security provides a next step for students who want to expand their CCNA level skill set to prepare for a career in network security The CCNA Security course also prepares students for the Implementing Cisco IOS Network Security IINS certification exam 640 554 which leads to the CCNA Security certification The CCNA Security Lab Manual provides you with all 16 labs from the course designed as hands on practice to master the knowledge and skills needed to prepare for entry level security specialist careers All the hands on labs in the course can be completed on actual physical equipment or in conjunction with the NDG NETLAB solution For current information on labs compatible with NETLAB go to <http://www.netdevgroup.com/content/cnap> Through procedural skills integration challenges troubleshooting and model building labs this CCNA Security course aims to develop your in depth understanding of network security principles as well as the tools and configurations used CCNA Security Course Booklet Version 1 2 Third Edition ISBN 13 978 1 58713 346 6 ISBN 10 1 58713 346 6 CCNA Security 640 554 Portable Command Guide ISBN 13 978 1 58720 448 7 ISBN 10 1 58720 448 7 Implementing Cisco IOS Network Security IINS 640 554 Foundation Learning Guide Second Edition ISBN 13 978 1 58714 272 7 ISBN 10 1 58714 272 4 CCNA Security 640 554 Official Cert Guide ISBN 13 978 1 58720 446 3 ISBN 10 1 58720 446 0

**CCNA Security Official Exam Certification Guide (Exam 640-553)** Michael, Michael Watkins (CCNA.), Kevin Wallace, 2008 [31 Days Before Your CCNA Security Exam](#) Patrick Gargano, 2016-06-06 31 Days Before Your CCNA Security Exam 31 Days Before Your CCNA Security Exam offers you an engaging and practical way to understand the certification process commit to taking the CCNA Security IINS 210 260 certification exam and finish your preparation using a variety of Primary and Supplemental study resources The IINS 210 260 exam tests your knowledge of secure network infrastructure core security concepts secure access VPN encryption firewalls intrusion prevention web email content security and endpoint security It also tests your skills for installing troubleshooting and monitoring secure networks to maintain the integrity confidentiality and availability of data and devices Sign up for the IINS 210 260 exam and use the book's day by day guide and checklist to organize prepare and review Each day in this guide breaks down an exam topic into a manageable bit of information to review using short summaries A Study Resources section provides you with a quick reference for locating more in depth treatment of a day's topics within the Primary and Supplemental resources The features of the book empower you to fit exam preparation into a busy schedule A visual calendar summarizing each day's study topic A checklist providing advice for preparation activities leading up to the exam A description of the CCNA Security IINS 210 260 exam organization and sign up process Strategies from the author to be mentally organizationally and physically prepared for exam day A conversational tone which makes your study time more enjoyable Primary Resources CCNA Security 210 260 Official Cert

Guide ISBN 13 978 1 58720 566 8 CCNA Security Course Booklet Version 2 ISBN 13 978 1 58713 351 0 CCNA Security Lab Manual Version 2 ISBN 13 978 1 58713 350 3 Supplemental Resources CCNA Security 210 260 Complete Video Course ISBN 13 978 0 13 449931 4 CCNA Security Portable Command Guide Second Edition ISBN 13 978 1 58720 575 0 Cisco ASA All in One Next Generation Firewall IPS and VPN Services Third Edition ISBN 13 978 1 58714 307 6 Category Certification Covers CCNA Security      *CCNA Voice Lab Manual* Brent Sieling,2013-01-11 The CCNA Voice certification expands your CCNA level skill set to prepare for a career in voice networking This lab manual helps to prepare you for the Introducing Cisco Voice and Unified Communications Administration ICOMM v8 0 certification exam 640 461 CCNA Voice Lab Manual gives you extensive hands on practice for developing an in depth understanding of voice networking principles tools skills configurations integration challenges and troubleshooting techniques Using this manual you can practice a wide spectrum of tasks involving Cisco Unified Communications Manager Unity Connection Unified Communications Manager Express and Unified Presence CCNA Voice Lab Manual addresses all exam topics and offers additional guidance for successfully implementing IP voice solutions in small to medium sized businesses CCNA Voice 640 461 Official Exam Certification Guide Second Edition ISBN 13 978 1 58720 417 3 ISBN 10 1 58720 417 7 CCNA Voice Portable Command Guide ISBN 13 978 1 58720 442 5 ISBN 10 1 58720 442 8 Configuring Cisco Unified Communications Manager and Unity Connection A Step by Step Guide Second Edition ISBN 13 978 1 58714 226 0 ISBN 10 1 58714 226 0 CCNA Voice Quick Reference ISBN 13 978 1 58705 767 0 ISBN 10 1 58705 767 0      **CCNA Security Official Exam Certification Guide** Michael Watkins, Kevin Wallace,2008 CCNA Security Official Exam Certification Guide Master the IINS 640 553 exam with this official study guide Assess your knowledge with chapter opening quizzes Review key concepts with Exam Preparation Tasks Practice with realistic exam questions on the CD ROM CCNA Security Official Exam Certification Guide is a best of breed Cisco exam study guide that focuses specifically on the objectives for the CCNA Security IINS exam Senior security instructors Michael Watkins and Kevin Wallace 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 CCNA Security Official Exam Certification 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 allow you to decide how much time you need to spend on each section Exam topic lists make referencing easy Chapter ending Exam Preparation Tasks sections help drill you on key concepts you must know thoroughly The companion CD ROM contains a powerful testing engine that allows you to focus on individual topic areas or take complete timed exams The assessment engine also tracks your performance and provides feedback on a topic by topic basis presenting question by question remediation to the text and laying out a complete study plan for review 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 CCNA Security Official Exam Certification 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](http://www.cisco.com/go/authorizedtraining)

Michael Watkins CCNA CCNP CCVP CCSP is a full time senior technical instructor with SkillSoft Corporation With 13 years of network management training and consulting experience Michael has worked with organizations such as Kraft Foods Johnson and Johnson Raytheon and the United States Air Force to help them implement and learn the latest network technologies Kevin Wallace CCIE No 7945 is a certified Cisco instructor working full time for SkillSoft where he teaches courses in the Cisco CCSP CCVP and CCNP tracks With 19 years of Cisco networking experience Kevin has been a network design specialist for the Walt Disney World Resort and a network manager for Eastern Kentucky University Kevin also is a CCVP CCSP CCNP and CCDP with multiple Cisco security and IP communications specializations

The official study guide helps you master all the topics on the IINS exam including Network security threats Security policies Network perimeter defense AAA configuration Router security Switch security Endpoint security SAN security VoIP security IOS firewalls Cisco IOS IPS Cryptography Digital signatures PKI and asymmetric encryption IPsec VPNs This volume is part of the Exam Certification 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

Category Cisco Press Cisco Certification Covers IINS exam 640 553 *CCNA Security Lab Manual*, 2009 The only authorized Lab Portfolio for the new Cisco Networking Academy CCNA Security Course Gives CCNA Security students a comprehensive printed and bound lab resource containing all of the course s labs for use whenever Internet access isn t available Handy printed format lets students easily highlight and make notes Page correlations link to the online curriculum Covers the latest CCNA Security Course from threats to firewalls cryptography to VPNs The Cisco CCNA Security curriculum provides foundational network security knowledge practical experience opportunities for career exploration and soft skills development to help students prepare for careers with network security responsibilities CCNA Security includes a comprehensive set of hands on online laboratories To complement these many students and instructors have requested a printed resource that can be used to study in places where Internet access may not be available CCNA Security Lab Portfolio is that resource Drawn directly from the online curriculum it covers every lab presented in this course addressing all these areas of network security Modern network security threats Securing network devices Authentication authorization and accounting Implementing firewall technologies Implementing intrusion prevention Securing LANs Cryptography Implementing VPNs Putting it all together CCNA Security Lab Portfolio gives students new flexibility to study these hands on labs offline highlight key points and take handwritten

notes All topics are correlated directly to online web pages helping you easily switch between offline and online content Additional notes pages will be included between each lab for use as a notebook in class A separate Answer Key is available in the Cisco Academy Connection area of Cisco's web site *CCNA Security 640-554 Official Cert Guide* Keith Barker, Scott Morris, 2012-07-06 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 CCNA Security IINS 640 554 exam topics Assess your knowledge with chapter opening quizzes Review key concepts with exam preparation tasks This is the eBook edition of the CCNA Security 640 554 Official Cert Guide This eBook does not include the companion practice exam that comes with the print edition CCNA Security 640 554 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 CCNA Security 640 554 Official Cert Guide focuses specifically on the objectives for the CCNA Security IINS exam Expert networking professionals Keith Barker and Scott Morris 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 eBook comes complete with 90 minutes of video training on CCP NAT object groups ACLs port security on a Layer 2 switch CP3L and zone based firewalls See the last page of the eBook file for instructions on downloading the videos 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 CCNA Security exam including Network security concepts Security policies and strategies Network foundation protection NFP Cisco Configuration Professional CCP Management plane security AAA security Layer 2 security threats IPv6 security Threat mitigation and containment Access Control Lists ACLs Network Address Translation NAT Cisco IOS zone based firewalls and ASA firewalls Intrusion prevention and detection systems Public Key Infrastructure PKI and cryptography Site to site IPsec VPNs and SSL VPNs CCNA Security 640 554 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](http://www.cisco.com/go/authorizedtraining) **CCNA Security Lab Manual Version 2**, 2015

*CASP: CompTIA Advanced Security Practitioner Study Guide Authorized Courseware* Michael Gregg, Billy Haines, 2012-02-16 Get Prepared for CompTIA Advanced Security Practitioner CASP Exam Targeting security professionals

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measure your understanding of lab results Step by step scenarios require you to think critically Key term quizzes help build your vocabulary Mike Meyers CompTIA Network Guide to Managing and Troubleshooting Networks Lab Manual Fifth Edition covers Network models Cabling and topology Ethernet basics and modern Ethernet Installing a physical network TCP/IP Routing Network naming Advanced networking devices IPv6 Remote connectivity Wireless networking Virtualization and cloud computing Mobile networking Building a real world network Managing risk Protecting your network Network monitoring and troubleshooting

**Information Security Illuminated** Michael G. Solomon, Mike Chapple, 2005 A comprehensive textbook that introduces students to current information security practices and prepares them for various related certifications

CCNA Security 640-554 Official Cert Guide and LiveLessons Bundle Keith Barker, Scott Morris, 2012-12-13 A 199 value this video and book training package gives you comprehensive coverage of CCNA Security exam topics providing you with all the assessment review and practice tools you need to succeed on the exam This bundle includes LiveLessons DVD with 5 hours of video instruction Official CCNA Security 640 554 study guide About the LiveLessons DVD CCNA Security 640 554 LiveLessons is a comprehensive video training package covering the key topics on the CCNA Security IINS 640 554 exam CCIE certified expert trainer Keith Barker provides you 5 hours of hands on step by step video training to help you develop the knowledge and skills needed to secure Cisco networks Through this collection of 10 video training lessons divided into 29 sublessons you will gain insight into the hands on configuration and troubleshooting skills needed to develop a security infrastructure recognize threats and vulnerabilities to networks and mitigate security threats These hands on video lessons cover hardening network devices with Cisco Configuration Professional CCP implementing secure management and monitoring using ACS and TACACS implementing layer 2 protection for switches packet filtering ACLs configuring Cisco IOS zone based firewalls and Cisco ASA firewalls adding IPS to Cisco routers connecting IPsec site to site VPN tunnels on Cisco routers and implementing SSL VPNs on the Cisco ASA Whether you are looking for helpful and current hands on labs to supplement your study for the CCNA Security exam or are simply looking to gain a better understanding and proficiency with network security configuration and troubleshooting tasks CCNA Security 640 554 LiveLessons will help you succeed on the CCNA Security exam and in your daily job as a network security professional About the Official Cert Guide book 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 CCNA Security 640 554 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 Master Cisco CCNA Security 640 554 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 CCNA Security 640 554 Official Cert Guide focuses specifically on the objectives for the Cisco CCNA Security IINS exam Expert networking professionals Keith Barker and Scott Morris 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 The companion CD ROM contains a powerful Pearson IT Certification Practice Test engine that enables you to focus on individual topic areas or take complete timed exams 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 The CD also contains 90 minutes of video training on CCP NAT object groups ACLs port security on a Layer 2 switch CP3L and zone based firewalls 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 CCNA Security IINS exam including Network security concepts Security policies and strategies Network foundation protection NFP Cisco Configuration Professional CCP Management plane security AAA security Layer 2 security threats IPv6 security Threat mitigation and containment Access Control Lists ACLs Network Address Translation NAT Cisco IOS zone based firewalls and ASA firewalls Intrusion prevention and detection systems Public Key Infrastructure PKI and cryptography Site to site IPsec VPNs and SSL VPNs 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

**CCNA 2. 0 All-In-One Instructor's Pack** Robert Larson,2001-10      *CCNA Security 210-260 Certification Guide* Glen D. Singh,Michael Vinod,Vijay Anandh,2018-06-15 Become a Cisco security specialist by developing your skills in network security and explore advanced security technologies Key Features Enhance your skills in network security by learning about Cisco s device configuration and installation Unlock the practical aspects of CCNA security to secure your devices Explore tips and tricks to help you achieve the CCNA Security 210 260 Certification Book Description With CCNA Security certification a network professional can demonstrate the skills required to develop security infrastructure recognize threats and vulnerabilities to networks and mitigate security threats The CCNA Security 210 260 Certification Guide will help you grasp the fundamentals of network security and prepare you for the Cisco CCNA Security Certification exam You ll begin by getting a grip on the fundamentals of network security and exploring the different tools available Then you ll see how to securely manage your network devices by implementing the AAA framework and configuring different management plane protocols Next you ll learn about security on the data link layer by implementing various security toolkits You ll be introduced to various firewall technologies and will understand how to configure a zone based firewall on a Cisco IOS device

You'll configure a site-to-site VPN on a Cisco device and get familiar with different types of VPNs and configurations. Finally, you'll delve into the concepts of IPS and endpoint security to secure your organization's network infrastructure. By the end of this book, you'll be ready to take the CCNA Security Exam 210-260. What you will learn: Grasp the fundamentals of network security. Configure routing protocols to secure network devices. Mitigate different styles of security attacks using Cisco devices. Explore the different types of firewall technologies. Discover the Cisco ASA functionality and gain insights into some advanced ASA configurations. Implement IPS on a Cisco device and understand the concept of endpoint security. Who this book is for: CCNA Security 210-260 Certification Guide can help you become a network security engineer, a cyber security professional, or a security administrator. You should have valid CCENT or CCNA Routing and Switching certification before taking your CCNA Security exam.

*Computer Forensics JumpStart* Micah Solomon, Diane Barrett, Neil Broom, 2015-03-24  
Launch Your Career in Computer Forensics Quickly and Effectively. Written by a team of computer forensics experts. Computer Forensics JumpStart provides all the core information you need to launch your career in this fast-growing field. Conducting a computer forensics investigation. Examining the layout of a network. Finding hidden data. Capturing images. Identifying, collecting, and preserving computer evidence. Understanding encryption and examining encrypted files. Documenting your case. Evaluating common computer forensic tools. Presenting computer evidence in court as an expert witness.

**Implementing Cisco IOS Network Security (IINS)** Catherine Paquet, 2009-04-14  
Implementing Cisco IOS Network Security IINS is a Cisco authorized self-paced learning tool for CCNA Security foundation learning. This book provides you with the knowledge needed to secure Cisco routers and switches and their associated networks. By reading this book, you will gain a thorough understanding of how to troubleshoot and monitor network devices to maintain integrity, confidentiality, and availability of data and devices, as well as the technologies that Cisco uses in its security infrastructure. This book focuses on the necessity of a comprehensive security policy and how it affects the posture of the network. You will learn how to perform basic tasks to secure a small branch-type office network using Cisco IOS security features available through the Cisco Router and Security Device Manager (SDM) web-based graphical user interface (GUI) and through the command-line interface (CLI) on Cisco routers and switches. The author also provides, when appropriate, parallels with Cisco ASA appliances. Whether you are preparing for CCNA Security certification or simply want to gain a better understanding of Cisco IOS security fundamentals, you will benefit from the information provided in this book. Implementing Cisco IOS Network Security IINS 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](http://www.cisco.com/go/authorizedtraining). Develop a comprehensive network security policy to counter threats against information security. Configure routers on the network perimeter with Cisco IOS Software security features. Configure firewall features, including

ACLs and Cisco IOS zone based policy firewalls to perform basic security operations on a network Configure site to site VPNs using Cisco IOS features Configure IPS on Cisco network routers Configure LAN devices to control access resist attacks shield other network devices and systems and protect the integrity and confidentiality of network traffic This volume is in the Certification Self Study Series offered by Cisco Press Books in this series provide officially developed self study solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations

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