

Troy McMillan

# CCNA<sup>®</sup>

## Security

### STUDY GUIDE

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# Ccna Security Study Guide

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## **Ccna Security Study Guide:**

*CCNA Security Study Guide* Troy McMillan, 2018-01-05 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 Lay the foundation for a successful career in network security CCNA Security Study Guide offers comprehensive review for Exam 210 260 Packed with concise explanations of core security concepts this book is designed to help you successfully prepare for the exam Expert instruction guides you through critical concepts relating to secure network infrastructure access management VPN encryption Firewalls intrusion prevention and more with complete coverage of the CCNA exam objectives Practical examples allow you to apply your skills in real world scenarios helping you transition effectively from learning to doing You also get access to the Sybex online learning environment featuring the tools you need to maximize your study time key terminology and flash cards allow you to study anytime anywhere while chapter tests and practice exams help you track your progress and gauge your readiness along the way The CCNA Security certification tests your knowledge of secure network installation monitoring and troubleshooting using Cisco security hardware and software solutions When you re ready to get serious about preparing for the exam this book gives you the advantage of complete coverage real world application and extensive learning aids to help you pass with confidence Master Cisco security essentials standards and core technologies Work through practical examples drawn from real world examples Track your progress with online study aids and self tests Develop critical competencies in maintaining data integrity confidentiality and availability Earning your CCNA Security certification validates your abilities in areas that define careers including network security administrator and network security support engineer With data threats continuing to mount the demand for this skill set will only continue to grow and in an employer s eyes a CCNA certification makes you a true professional CCNA Security Study Guide is the ideal preparation resource for candidates looking to not only pass the exam but also succeed in the field

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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 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

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*Security* Tim Boyles, 2010      **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      **CCNA Security Exam Cram (Exam IINS 640-553)** Eric Stewart, 2008-10-24

In this book you'll learn how to Build a secure network using security controls Secure network perimeters Implement secure management and harden routers Implement network security policies using Cisco IOS firewalls Understand cryptographic services Deploy IPsec virtual private networks VPNs Secure networks with Cisco IOS IPS Protect switch infrastructures Secure endpoint devices storage area networks SANs and voice networks

**WRITTEN BY A LEADING EXPERT** Eric Stewart is a self employed network security contractor who finds his home in Ottawa Canada Eric has more than 20 years of experience in the information technology field the last 12 years focusing primarily on Cisco routers switches VPN concentrators and security appliances The majority of Eric's consulting work has been in the implementation of major security infrastructure initiatives and architectural reviews with the Canadian Federal Government Eric is a certified Cisco instructor teaching Cisco CCNA CCNP and CCSP curriculum to students throughout North America and the world

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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 Security Study Guide, 2nd Edition* Troy McMillan, 2018 Lay the foundation for a successful career in network security CCNA Security Study Guide offers comprehensive review for Exam 210 260 Packed with concise explanations of core security concepts this book is designed to help you successfully prepare for the exam Expert instruction guides you through critical concepts relating to secure network infrastructure access management VPN encryption Firewalls intrusion prevention and more with complete coverage of the CCNA exam objectives Practical examples allow you to apply your skills in real world scenarios helping you transition effectively from learning to doing You also get access to the Sybex online learning environment featuring the tools you need to maximize your study time key terminology and flash cards allow you to study anytime anywhere while chapter tests and practice exams help you track your progress and gauge your readiness along the way The CCNA Security certification tests your knowledge of secure network installation monitoring and troubleshooting using Cisco security hardware and software solutions When you re ready to get serious about preparing for the exam this book gives you the advantage of complete coverage real world application and extensive learning aids to help you pass with confidence Master Cisco security essentials standards and core technologies Work through practical examples drawn from real world examples Track your progress with online study aids and self tests Develop critical competencies in maintaining data integrity confidentiality and availability Earning your CCNA Security certification validates your abilities in areas that define careers including network security administrator and network security support engineer With data threats continuing to mount the demand for this skill set will only continue to grow and in an employer s eyes a CCNA certification makes you a true professional CCNA Security Study Guide is the ideal preparation resource for candidates looking to not only pass the exam but also succeed in the field *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 Exam Cram (Exam IINS 640-553)*. Stewart,2008 CCNA Security Course Booklet Version 2 Cisco Networking Cisco Networking Academy,2015-11-13 Your Cisco R Networking Academy R 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 imbedded within the Networking Academy online course interface and reminds you to perform the labs and Packet Tracer activities for each chapter The Course Booklet is a basic economical paper based resource to help you succeed with the Cisco Networking Academy online course CCNA Security Official Exam Certification Guide (Exam 640-553). Michael Watkins,2008

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In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Ccna Security Study Guide** a literary masterpiece penned with a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of people who partake in its reading experience.

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