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## STUDY GUIDE

IINS Exam 640-553

Tim Boyles

# Ccna Security Study Guide Exam 640 553

**Keith Barker, Scott Morris**



## **Ccna Security Study Guide Exam 640 553:**

*CCNA Security Study Guide* Tim Boyles, 2010-03-29 A complete study guide for the new CCNA Security certification exam In keeping with its status as the leading publisher of CCNA study guides Sybex introduces the complete guide to the new CCNA security exam The CCNA Security certification is the first step towards Cisco's new Cisco Certified Security Professional CCSP and Cisco Certified Internetworking Engineer Security CCNA Security Study Guide fully covers every exam objective The companion CD includes the Sybex Test Engine flashcards and a PDF of the book The CCNA Security certification is the first step toward Cisco's new CCSP and Cisco Certified Internetworking Engineer Security Describes security threats facing modern network infrastructures and how to mitigate threats to Cisco routers and networks using ACLs Explores implementing AAA on Cisco routers and secure network management and reporting Shows how to implement Cisco IOS firewall and IPS feature sets plus site to site VPNs using SDM CD includes the Sybex Test Engine flashcards and the book in PDF format With hands on labs and end of chapter reviews CCNA Security Study Guide thoroughly prepares you for certification Note CD ROM DVD and other supplementary materials are not included as part of eBook file *CCNA SECURITY STUDY GUIDE: IINS EXAM 640-553 (With CD )* Tim Boyles, 2010-04 Market\_Desc Primary Reader Those studying for the CCNA Security exam Primary job role is network administration with a concentration on securing a Cisco network environment Secondary Reader CCNAs looking to expand their portfolio by focusing on security best practices and learning about Cisco's security offerings Special Features Built In Audience Over 700 000 individuals have achieved a Cisco certification with CCNA by far those popular of Cisco's certification track Over 100 000 achieve a Cisco certification a year Candidates for the CCNA Security are required to have a valid CCNA before sitting for this exam Security as a Centerpiece The first Cisco certification specifically focused on Security The CCNA Security certification is the first step towards Cisco's brand new Cisco Certified Security Professional CCSP and Cisco Certified Internetworking Engineer Security CCIE Security designations Security Spending on the Rise According to Forrester Research most IT organizations who responded plan to increase security spending With Cisco the leader in network hardware organizations will be looking for qualified IT professionals skilled in securing a Cisco network 100% Focused on the Exam Will cover in depth all exam objectives and will include useful hands on labs to give candidates the hands on necessary to perform the skills expected from all CCNA Security recipients Huge Growth Potential According to the U S Bureau of Labor Statistics general networking system administration jobs are expected to increase by nearly 82% by 2010 About The Book The Cisco Certified Network Associate Security CCNA Security concentration certification targets candidates responsible for securing a network that primarily uses Cisco devices This in depth Study Guide provides 100% coverage of every exam objective covering in depth the technologies developed by Cisco specifically designed to ensure a network is secure Book features hands on labs end of chapter review questions and a handy tear out objective map showing the reader where each exam objective is covered In addition the enhanced CD contains

the Sybex Test Engine Flashcards and entire book in PDF format      CCNA Security Official Exam Certification Guide (Exam 640-553) Michael, Michael Watkins (CCNA.), Kevin Wallace, 2008      **CCNA Security Official Exam Certification Guide (Exam 640-553).** Michael Watkins, 2008      **CCNA Cisco Certified Network Associate Security Study Guide (exam 640-553)** Richard A. Deal, 2009 Accompanying CD ROM has practice MasterExam a link for online registration and download of a bonus MasterExam the entire book in electronic format and Adobe Acrobat Reader software      *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 Exam Cram (Exam IINS 640-553)*

Eric Stewart, 2008-10-24 In this book you will 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 informit.com examcram ISBN 13 978 0 7897 3800 4 ISBN 10 0 7897 3800 7      **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 *CCNA Cisco Certified Network Associate Security Study Guide with CDRom (Exam 640-553)* Richard Deal, 2009-08-07 The Best Fully Integrated Study System Available for Exam 640 553 With hundreds of practice questions and network configuration examples CCNA Cisco Certified Network Associate Security Study Guide covers what you need to know and shows you how to prepare for this challenging exam 100% complete coverage of all official objectives for exam 640 553 Exam Watch notes call attention to information about and potential pitfalls in the exam Certification Summary at the end of each chapter succinct chapter reviews and salient points regarding the exam Two Minute Drills for quick review at the end of every chapter Simulated exam questions match the format tone topics and difficulty of the real exam Covers all the exam topics including Security Threats and Attacks Security Implementation Restricting Administrative Access Security Device Manager Secure Management IOS Security AAA Cisco Secure ACS Endpoint Security Layer 2 Security Firewalls Access Control Lists Zone Based Firewalls Intrusion Detection and Prevention IPS Configuration Virtual Private Networks IPSec IPSec Site to Site CLI and SDM CD ROM includes Complete MasterExam practice testing engine featuring One full practice exam Detailed answers with explanations Score Report performance assessment tool Electronic book for studying on the go Bonus downloadable MasterExam practice test with free online registration **CCNA Security Exam Cram (Exam IINS 640-553).** Stewart, 2008 *CCNA Security Official Exam Certification Guide: (IINS 640-553)* Watkins, 2008-09 *Handbook of Computer Networks and Cyber Security* Brij B. Gupta, Gregorio Martinez Perez, Dharma P. Agrawal, Deepak Gupta, 2019-12-31 This handbook introduces the basic principles and fundamentals of cyber security towards establishing an understanding of how to protect computers from hackers and adversaries The highly informative subject matter of this handbook includes various concepts models and terminologies along with examples and illustrations to demonstrate substantial technical details of the field It motivates the readers to exercise better protection and defense mechanisms to deal with attackers and mitigate the situation This handbook also outlines some of the exciting areas of future research where the existing approaches can be implemented Exponential increase in the use of computers as a means of storing and retrieving security intensive information requires placement of adequate security measures to safeguard the entire computing and communication scenario With the

advent of Internet and its underlying technologies information security aspects are becoming a prime concern towards protecting the networks and the cyber ecosystem from variety of threats which is illustrated in this handbook This handbook primarily targets professionals in security privacy and trust to use and improve the reliability of businesses in a distributed manner as well as computer scientists and software developers who are seeking to carry out research and develop software in information and cyber security Researchers and advanced level students in computer science will also benefit from this reference

**Handbook of Big Data Privacy** Kim-Kwang Raymond Choo, Ali Dehghantanha, 2020-03-18 This handbook provides comprehensive knowledge and includes an overview of the current state of the art of Big Data Privacy with chapters written by international world leaders from academia and industry working in this field The first part of this book offers a review of security challenges in critical infrastructure and offers methods that utilize acritical intelligence AI techniques to overcome those issues It then focuses on big data security and privacy issues in relation to developments in the Industry 4 0 Internet of Things IoT devices are becoming a major source of security and privacy concern in big data platforms Multiple solutions that leverage machine learning for addressing security and privacy issues in IoT environments are also discussed this handbook The second part of this handbook is focused on privacy and security issues in different layers of big data systems It discusses about methods for evaluating security and privacy of big data systems on network application and physical layers This handbook elaborates on existing methods to use data analytic and AI techniques at different layers of big data platforms to identify privacy and security attacks The final part of this handbook is focused on analyzing cyber threats applicable to the big data environments It offers an in depth review of attacks applicable to big data platforms in smart grids smart farming FinTech and health sectors Multiple solutions are presented to detect prevent and analyze cyber attacks and assess the impact of malicious payloads to those environments This handbook provides information for security and privacy experts in most areas of big data including FinTech Industry 4 0 Internet of Things Smart Grids Smart Farming and more Experts working in big data privacy security forensics malware analysis machine learning and data analysts will find this handbook useful as a reference Researchers and advanced level computer science students focused on computer systems Internet of Things Smart Grid Smart Farming Industry 4 0 and network analysts will also find this handbook useful as a reference

**CCNA Cisco Certified Network Associate Study Guide (Exam 640-802)** Richard Deal, 2008-05-08 The Best Fully Integrated Study System Available With hundreds of practice questions and hands on exercises CCNA Cisco Certified Network Associate Study Guide covers what you need to know and shows you how to prepare for this challenging exam 100% complete coverage of all official objectives for exam 640 802 Exam Readiness Checklist at the front and back of the book you re ready for the exam when all objectives on the list are checked off Inside the Exam sections in every chapter highlight key exam topics covered Simulated exam questions match the format tone topics and difficulty of the real exam Covers all CCNA exam topics including Network Topologies OSI Reference Model Layer 2 LAN Technologies Bridges and

Switches WLAN IP Addressing and Subnetting VLSM TCP IP and the Transport Layer Cisco IOS Software Switch and Router Configuration VLANs and Trunks Switches and Redundancy IOS Device Management OSPF and EIGRP Routing Access Control Lists IPv6 WAN Frame Relay CD ROM includes Practice test engine powered by Boson featuring Practice exam questions Detailed answers with explanations Chapter quizzes and real exam environment simulations Score Report performance assessment tool Interactive network simulation software powered by Boson with 20 simulated lab exercises 100 instructional video clips Electronic book for studying on the go

**CCNA Security 640-553 Cert Flash Cards Online, Retail Packaged Version** Brian D'andrea,2009-04-01 CCNA Security 640 553 Cert Flash Cards Online Brian D Andrea The CCNA Security 640 553 Cert Flash Cards Online provides a concise review of all objectives on the IINS exam 640 553 This online exam preparation tool consists of a custom flash card application loaded with 250 total questions that test your skills and enhance retention of exam topics Questions are organized by exam objective allowing you to focus your study on selected topics You can choose to view cards in order or at random and you can create custom sets from the entire bank of cards The engine provides you with the ability to mark each question correct or incorrect and provides a detailed score report by category at the end of the exam You can even write notes on each question and then get a printable PDF of all your notes aligned to the relevant questions These robust features make this a truly unique learning tool Test your knowledge by entering your own answers Grade your answers against the correct answer Create custom question sets View detailed score reports Enter and print notes for each question Use on any device that has a web browser and Internet connection CCNA Security 640 553 Cert Flash Cards Online is an online internet based service available in both desktop and mobile device formats allowing you to test yourself at home at work or on the go System Requirements Web browser and Internet connection US 24 99 CAN 29 99

**CCNA: Cisco Certified Network Associate Study Guide** Todd Lammle,2005-03-08 If you re serious about getting your CCNA certification and advancing your career in the field of internetworking then here s the book you need This Deluxe Edition of the best selling CCNA Cisco Certified Network Associate Study Guide was developed to meet the exacting requirements of today s Cisco certification candidates In addition to the engaging and accessible instructional approach that has earned author Todd Lammle the Best Study Guide Author award in CertCities Readers Choice Awards for two consecutive years this updated fourth edition provides In depth coverage of every CCNA exam objective Expanded IP addressing and subnetting coverage More detailed information on EIGRP and OSPF Leading edge exam preparation software including the CCNA Virtual Lab Gold Edition as well as Sybex s custom test engine electronic flashcards and the entire book in PDF Authoritative coverage of all exam objectives including Network planning designing Implementation operation LAN and WAN troubleshooting Communications technology

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**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

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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

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