

Tshark Guide

Kali Linux Wireless Penetration Testing Beginner's Guide, Third Edition presents wireless pentesting from the ground up, and has been updated with the latest methodologies, including full coverage of the KRACK attack. About This Book Learn wireless penetration testing with Kali Linux Detect hidden wireless networks and discover their names Explore advanced Wi-Fi hacking techniques including rogue access point hosting and probe sniffing Develop your encryption cracking skills and gain an insight into the methods used by attackers and the underlying technologies that facilitate these attacks Who This Book Is For Kali Linux Wireless Penetration Testing Beginner's Guide, Third Edition is suitable for anyone who wants to learn more about pentesting and how to understand and defend against the latest wireless network attacks. What You Will Learn Understand the KRACK attack in full detail Create a wireless lab for your experiments Sniff out wireless packets, hidden networks, and SSIDs Capture and crack WPA-2 keys Sniff probe requests and track users through their SSID history Attack radius authentication systems Sniff wireless traffic and collect interesting data Decrypt encrypted traffic with stolen keys In Detail As wireless networks become ubiquitous in our lives, wireless penetration testing has become a key skill in the repertoire of the professional penetration tester. This has been highlighted again recently with the discovery of the KRACK attack which enables attackers to potentially break into Wi-Fi networks encrypted with WPA2. The Kali Linux security distribution comes with a myriad of tools used for networking attacks and detecting security loopholes. Kali Linux Wireless Penetration Testing Beginner's Guide, Third Edition has been updated to Kali Linux 2017.3 with the latest methodologies, including full coverage of the KRACK attack and how to defend against it. The book presents wireless pentesting from the ground up, introducing all elements of penetration testing with each new technology. You'll learn various wireless testing methodologies by example, from the basics of wireless routing and encryption through to detailed coverage of hacking methods and attacks such as the Hirte and Caffe Latte. Style and approach Kali Linux Wireless Penetration Testing Beginner's Guide, Third Edition is a practical, hands-on guide to modern wi-fi network hacking. It covers both the theory and practice of wireless pentesting, offering detailed, real-world coverage of the latest vulnerabilities and attacks.

A rigorous description of the theory and practice of power-line communication, which identifies the key characteristics that impact on performance and security. Ideal for university researchers and professional engineers designing PLC or hybrid devices and networks.

Ethereal is the #2 most popular open source security tool used by system administrators and security professionals. This all new book builds on the success of Syngress' best-selling book Ethereal Packet Sniffing. Wireshark & Ethereal Network Protocol Analyzer Toolkit provides complete information and step-by-step Instructions for analyzing protocols and network traffic on Windows, Unix or Mac OS X networks. First, readers will learn about the types of sniffers available today and see the benefits of using Ethereal. Readers will then learn to install Ethereal in multiple environments including Windows, Unix and Mac OS X as well as building Ethereal from source and will also be guided through Ethereal's graphical user interface. The following sections will teach readers to use command-line options of Ethereal as well as using Tethereal to capture live packets from the wire or to read saved capture files. This section also details how to import and export files between Ethereal and WinDump, Snort, Snoop, Microsoft Network Monitor, and EtherPeek. The book then teaches the reader to master advanced tasks such as creating sub-trees, displaying bitfields in a graphical view, tracking requests and reply packet pairs as well as exclusive coverage of MATE, Ethereal's brand new configurable upper level analysis engine. The final section to the book teaches readers to enable Ethereal to read new Data sources, program their own protocol dissectors, and to create and customize Ethereal reports. Ethereal is the #2 most popular open source security tool, according to a recent study conducted by insecure.org Syngress' first Ethereal book has consistently been one of the best selling security books for the past 2 years

The first book to cover the LPIC-2 certification Linux allows developers to update source code freely, making it an excellent, low-cost, secure alternative to alternate, more expensive operating systems. It is for this reason that the demand for IT professionals to have an LPI certification is so strong. This study guide provides unparalleled coverage of the LPIC-2 objectives for exams 201 and 202. Clear and concise coverage examines all Linux administration topics while practical, real-world examples enhance your learning process. On the CD, you'll find the Sybex Test Engine, electronic flashcards, and a glossary containing the most important terms you need to understand.. Prepares you for exams 201 and 202 of the Linux Professional Institute Certification Offers clear, concise coverage on exam topics such as the Linux kernel, system startup, networking configuration, system maintenance, domain name server, file sharing, and more Addresses additional key topics for the exams including network client management, e-mail services, system security, and troubleshooting This must-have study guide serves as an invaluable roadmap to attaining LPI certification.

Certified Ethical Hacker Complete Training Guide with Practice Questions & Labs:

Master wireless testing techniques to survey and attack wireless networks with Kali Linux, including the KRACK attack Secure your network through protocol analysis

Exams 201 and 202

Collection, Detection, and Analysis

CompTIA Linux+ Study Guide with Online Labs

Beginner's Guide

The best-selling Distributed Sensor Networks became the definitive guide to understanding this

far-reaching technology. Preserving the excellence and accessibility of its predecessor, *Distributed Sensor Networks, Second Edition* once again provides all the fundamentals and applications in one complete, self-contained source. Ideal as a tutorial for students or as research material for engineers, the book gives readers up-to-date, practical insight on all aspects of the field. Revised and expanded, this second edition incorporates contributions from many veterans of the DARPA ISO SENSIT program as well as new material from distinguished researchers in the field. *Sensor Networking and Applications* focuses on sensor deployment and networking, adaptive tasking, self-configuration, and system control. In the expanded applications section, the book draws on the insight of practitioners in the field. Readers of this book may also be interested in *Distributed Sensor Networks, Second Edition: Image and Sensor Signal Processing* (ISBN: 9781439862827).

Prepare for the new Certified Ethical Hacker version 8 exam with this Sybex guide. Security professionals remain in high demand. The Certified Ethical Hacker is a one-of-a-kind certification designed to give the candidate a look inside the mind of a hacker. This study guide provides a concise, easy-to-follow approach that covers all of the exam objectives and includes numerous examples and hands-on exercises. Coverage includes cryptography, footprinting and reconnaissance, scanning networks, enumeration of services, gaining access to a system, Trojans, viruses, worms, covert channels, and much more. A companion website includes additional study tools, including practice exam and chapter review questions and electronic flashcards. Security remains the fastest growing segment of IT, and CEH certification provides unique skills. The CEH also satisfies the Department of Defense's 8570 Directive, which requires all Information Assurance government positions to hold one of the approved certifications. This Sybex study guide is perfect for candidates studying on their own as well as those who are taking the CEHv8 course. Covers all the exam objectives with an easy-to-follow approach. Companion website includes practice exam questions, flashcards, and a searchable Glossary of key terms. *CEHv8: Certified Ethical Hacker Version 8 Study Guide* is the book you need when you're ready to tackle this challenging exam. Also available as a set, *Ethical Hacking and Web Hacking Set*, 9781119072171 with *The Web Application Hacker's Handbook: Finding and Exploiting Security Flaws, 2nd Edition*.

If you are a security professional, pentester, or anyone interested in getting to grips with wireless penetration testing, this is the book for you. Some familiarity with Kali Linux and wireless concepts is beneficial.

Expertly analyze common protocols such as TCP, IP, and ICMP, along with learning how to use display and capture filters, save and export captures, create I/O and stream graphs, and troubleshoot latency issues. Key Features: Gain a deeper understanding of common protocols so you can easily troubleshoot network issues. Explore ways to examine captures to recognize unusual traffic and possible network attacks. Learn advanced techniques, create display and capture filters, and generate I/O and stream graphs. Book Description: Wireshark is a popular and powerful packet analysis tool that helps network administrators investigate latency issues and potential attacks. Over the years, there have been many enhancements to Wireshark's functionality. This book will guide you through essential features so you can capture, display, and filter data with ease. In addition to this, you'll gain valuable tips on lesser-known configuration options, which will allow you to complete your analysis in an environment customized to suit your needs. This updated second edition of *Learn Wireshark* starts by outlining the benefits of traffic analysis. You'll discover the process of installing Wireshark and become more familiar with the interface. Next, you'll focus on the Internet Suite and then explore deep packet analysis of common protocols such as DNS, DHCP, HTTP, and ARP. The book also guides you through working with the expert system to detect network latency issues, create I/O and stream graphs, subset traffic, and save and export captures. Finally, you'll understand how to share captures using CloudShark, a browser-based solution for analyzing packet captures. By the end of this Wireshark book, you'll have the skills and hands-on experience you need to conduct deep packet analysis of common protocols and network troubleshooting as well as identify security issues. What you will learn: Master network analysis and troubleshoot anomalies with Wireshark. Discover the importance of baselining network traffic. Correlate the OSI model with frame formation in Wireshark. Narrow in on specific traffic by using display and capture filters. Conduct deep packet analysis of common protocols: IP, TCP, and ARP. Understand the role and purpose of ICMP, DNS, HTTP, and DHCP. Create a custom configuration profile and personalize the interface. Create I/O and stream graphs to better visualize traffic. Who this book is for: If you are a network administrator, security analyst, student, or teacher and want to learn about effective packet analysis using Wireshark, then this book is for you. In order to get the most from this book, you should have basic knowledge of network fundamentals, devices, and protocols along with an understanding of different topologies.

CASP+ CompTIA Advanced Security Practitioner Certification All-in-One Exam Guide, Second Edition (Exam CAS-003)

All the commands for the CompTIA XK0-004 exam in one compact, portable resource

Distributed Denial of Service Attacks

CompTIA Advanced Secur_o2

Real-world Detection and Mitigation

A Forensic Evidence Guide for Moving Targets and Data

Kibana 7 Quick Start Guide

Distributed Denial of Service (DDoS) attacks have become more destructive, wide-spread and harder to control over time. This book allows students to understand how these attacks are constructed, the security flaws they leverage, why they are effective, how they can be detected, and how they can be mitigated. Students use software defined networking (SDN) technology to create and execute controlled DDoS experiments. They learn how to deploy networks, analyze network performance, and create resilient systems. This book is used for graduate level computer engineering instruction at the University of Illinois at Urbana-Champaign. It augments the traditional graduate computing curricula by integrating: Internet deployment, network security, ethics, contemporary social issues, and engineering principles into a laboratory based course of instruction. Unique features of this book include: A history of DDoS attacks that includes attacker motivations Discussion of cyber-war, censorship, and Internet black-outs SDN based DDoS laboratory assignments Up-to-date review of current DDoS attack techniques and mitigation Review of the current laws that globally relate to DDoS Abuse of DNS, NTP, BGP and other parts of the global Internet infrastructure to attack networks Mathematics of Internet traffic measurement Game theory for DDoS resilience Construction of content distribution systems that absorb DDoS attacks This book assumes familiarity with computer networking, Internet design, appropriate background in mathematics, and some programming skills. It provides analysis and reference material for networking engineers and researchers. By increasing student knowledge in security, and networking; it adds breadth and depth to advanced computing curricula.

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. This guide will explore TShark. As this is the terminal version, it will show the user all commands and syntax as well as all shortcuts for Tshark and its common uses through small recipes. This book is intended for network administrators and security professionals who have to deal daily with a variety of network problems and security incidents. It will also be a good learning aid for students wishing to implement and understand the many theoretical concepts related to traffic data and communication at a greater depth.

For each exam objective, the key commands and configuration files will be detailed. The CompTIA Linux+ Portable Command Guide provides a single point of reference while studying for the certification exams as well as a valuable reference after the candidate has successfully passed the exams. The guide summarizes all commands, keywords, command options, and associated prompts. Configuration examples are provided throughout the book to give a better understanding of how these commands are used. This guide is not meant to replace any existing learning materials but rather serve as a supplementary guide to assist readers in the proper use of the many different commands to use on a regular basis. These skills are required to successfully pass the exams.

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Complete coverage of every topic on the CompTIA Advanced Security Practitioner certification exam Get complete coverage of all objectives included on the CompTIA CASP+ exam CAS-003 from this comprehensive resource. Written by a team of leading information security experts, this authoritative guide fully addresses the skills required for securing a network and managing risk. You'll find learning objectives at the beginning of each chapter, exam tips, practice exam questions, and in-depth explanations. Designed to help you pass the exam with ease, this definitive volume also serves as an essential on-the-job reference. Covers all exam domains, including: • Threats, attacks, and vulnerabilities • Technologies and tools • Architecture and design • Identity and access management • Risk management • Cryptography and PKI Electronic content includes: • 200 practice exam questions

CompTIA Linux+ Study Guide

CEH v11 Certified Ethical Hacker Study Guide

2009 Exam

CASP: CompTIA Advanced Security Practitioner Study Guide Authorized Courseware

Wireshark for Security Professionals

Mike Meyers' CompTIA Security+ Certification Guide, Second Edition (Exam SY0-501)

Exam XK0-004

Attacking Network Protocols is a deep dive into network protocol security from James Forshaw, one of the world's leading bug hunters. This comprehensive guide looks at networking from an attacker's perspective to help you discover, exploit, and ultimately protect vulnerabilities. You'll start with a rundown of networking basics and protocol traffic capture before moving on to static and dynamic protocol analysis, common protocol structures, cryptography, and protocol security. Then you'll turn your focus to finding and exploiting vulnerabilities, with an overview of common bug classes, fuzzing, debugging, and exhaustion attacks. Learn how to: - Capture, manipulate, and replay packets - Develop tools to dissect traffic and reverse engineer code to understand the inner workings of a network protocol - Discover and exploit vulnerabilities such as memory corruptions, authentication bypasses, and denials of service - Use capture and analysis tools like Wireshark and develop your own custom network proxies to manipulate network traffic *Attacking Network Protocols is a must-have for any penetration tester, bug hunter, or developer looking to understand and discover network vulnerabilities.*

Assess cyber readiness with advanced security controls and create a secure enterprise system **KEY FEATURES ?** *In-depth explanation of security architecture, security operations, security engineering and cryptography. ? Boosts practical skills with the aid of troubleshooting tips and exam-specific notes. ? Provides live use-cases to design, implement, and integrate security solutions across enterprise environments. DESCRIPTION* *CompTIA CASP+ certification evaluates advanced technical security skills, such as security engineering and operations, enterprise-level risk assessments and IT governance, and the implementation of secure systems and network design and controls. This CASP+ certification guide enables security professionals to become proficient and certified in creating highly resilient enterprise systems and networks that adhere to regulatory requirements. It contains real-world scenarios, practice tests, and numerous troubleshooting tips. Readers are instructed to create and construct security architectures for diverse business requirements. The book teaches how to create robust security methods for traditional, cloud, hybrid, and virtual environments. Readers learn how to set up application vulnerability controls, such as sandboxing, database security, and firmware security, and reduce their risks. Towards the end, readers can investigate various cryptography approaches such as hashing, code signing, SMIME, PKI, and DRM watermarking. Every chapter of this CASP+ study guide is dedicated to helping the reader develop the practical, performance-based skills necessary to succeed in the exam. WHAT YOU WILL LEARN ?*

Conduct risk analysis, establish risk metrics and compare security baselines ? Learn different ways to secure host systems, devices, and storage controls ? Learn about malware sandboxing, fingerprinting, reconnaissance, and memory debugging ? Several vulnerability assessment tools include port scanners, protocol analyzers, and application interceptors ? Exposure to code signing, DRM watermarking, hashing, and PKI ? Expert advice on integrating hosts, networks, storage, and applications WHO THIS BOOK IS FOR This book is for security architects, senior security engineers, security lead, and most security practitioners who want to get certified in designing an enterprise security landscape that works best for the business environment. The book expects professional knowledge on security before reading this book. TABLE OF CONTENTS 1. Introduction to CASP 2. Business and Industry Trends, Influences and Risks 3. Organization Security Policies and Documents 4. Risk Mitigation Strategies 5. Enterprise Risk Measurement and Metrics 6. Components of Network Security 7. Securing Hosts and Devices 8. Secure Storage Controls 9. Securing the Internet of Things 10. Cloud and Virtualization Security 11. Application Security Controls 12. Security Assessments 13. Selecting Vulnerability Assessment Tools 14. Securing Communications and Collaborative Solutions 15. Implementing Cryptographic Techniques 16. Identification, Authentication and Authorization 17. Security Incidents and Response 18. Integrating Hosts, Network, Storage and Applications 19. Security Activities Across Technology Lifecycle 20. CASP+ Skill Assessment Question and Answers 21. CASP+ Skill Assessment Question and Answers 22. Appendix D Study Planner

The bestselling study guide completely updated for the NEW CompTIA Linux+ Exam XK0-004 This is your one-stop resource for complete coverage of Exam XK0-004, covering 100% of all exam objectives. You'll prepare for the exam smarter and faster with Sybex thanks to superior content including, assessment tests that check exam readiness, objective map, real-world scenarios, hands-on exercises, key topic exam essentials, and challenging chapter review questions. Linux is a UNIX-based operating system originally created by Linus Torvalds with the help of developers around the world. Developed under the GNU General Public License, the source code is free. Because of this Linux is viewed by many organizations and companies as an excellent, low-cost, secure alternative to expensive OSs, such as Microsoft Windows. The CompTIA Linux+ exam tests a candidate's understanding and familiarity with the Linux Kernel. As the Linux server market share continues to grow, so too does demand for qualified and certified Linux administrators. Building on the popular Sybex Study Guide approach, this book will provide 100% coverage of the NEW Linux+ Exam XK0-004 objectives. The book contains clear and concise information on all Linux administration topic, and includes practical examples and insights drawn from real-world experience. Hardware and System Configuration Systems Operation and Maintenance Security Linux Troubleshooting and Diagnostics Automation and Scripting You'll also have access to an online test bank, including a bonus practice exam, electronic flashcards, and a searchable PDF of key terms.

Comprehensive coverage of the new CASP+ exam, with hands-on practice and interactive study tools The CASP+ CompTIA Advanced Security Practitioner Study Guide: Exam CAS-003, Third Edition, offers invaluable preparation for exam CAS-003. Covering 100 percent of the exam objectives, this book provides expert walk-through of essential security concepts and processes to help you tackle this challenging exam with full confidence. Practical examples and real-world insights illustrate critical topics and show what essential practices look like on the ground, while detailed explanations of technical and business concepts give you the background you need to apply identify and implement appropriate security solutions. End-of-chapter reviews help solidify your understanding of each objective, and cutting-edge exam prep software features electronic flashcards, hands-on lab exercises, and hundreds of practice questions to help you test your knowledge in advance of the exam. The next few years will bring a 45-fold increase in digital data, and at least one third of that data will pass through the cloud. The level of risk to data everywhere is growing in parallel, and organizations are in need of qualified data security professionals; the CASP+ certification validates this in-demand skill set, and this book is your ideal resource for passing the exam. Master cryptography, controls, vulnerability analysis, and network security Identify risks and execute mitigation planning, strategies, and controls Analyze security trends and their impact on your organization Integrate business and technical components to achieve a secure enterprise architecture CASP+ meets the ISO 17024 standard, and is approved by U.S. Department of Defense to fulfill Directive 8570.01-M requirements. It is also compliant with government regulations under the Federal Information Security Management Act (FISMA). As such, this career-building credential makes you in demand in the marketplace and shows that you are qualified to address enterprise-level security concerns. The CASP+ CompTIA Advanced Security Practitioner Study Guide: Exam CAS-003, Third Edition, is the preparation resource you need to take the next big step for your career and pass with flying colors. Exam CAS-003

Wireshark & Ethereal Network Protocol Analyzer Toolkit

CASP+ CompTIA Advanced Security Practitioner Study Guide

Learn Wireshark

GCIH GIAC Certified Incident Handler All-in-One Exam Guide

Develop CASP+ skills and learn all the key topics needed to prepare for the certification exam

Visualize your Elasticsearch data with ease

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A fully updated CompTIA Security+ exam guide from training and exam preparation expert Mike Meyers Take the CompTIA Security+ exam (exam SY0-501) with confidence using the comprehensive information contained in this highly effective study resource. Like the exam, the guide goes beyond knowledge application and is designed to ensure that security personnel anticipate security risks and guard against them. In Mike Meyers' CompTIA Security+ Certification Guide, Second Edition (Exam SY0-501), the bestselling author and leading authority on CompTIA A+ certification brings his proven methodology to IT security. Mike covers all exam objectives in small, digestible modules that allow you to focus on individual skills as you move through a broad and complex set of skills and concepts. The book features hundreds of accurate practice questions as well as a toolbox of the author's favorite network security related freeware/shareware. • Provides complete coverage of every objective on exam SY0-501 • Electronic content includes 20+ lab simulations, video training, and hundreds of practice exam questions • Written by computer security and certification guru Mike Meyers

Network forensics is an evolution of typical digital forensics, in which evidence is gathered from network traffic in near real time. This book will help security and forensics professionals as well as network administrators build a solid foundation of processes and controls to identify incidents and gather evidence from the network. Forensic scientists and investigators are some of the fastest growing jobs in the United States with over 70,000 individuals employed in 2008. Specifically in the area of cybercrime and digital forensics, the federal government is conducting a talent search for 10,000 qualified specialists. Almost every technology company has developed or is developing a cloud computing strategy. To cut costs, many companies are moving toward network-based applications like Salesforce.com, PeopleSoft, and HR Direct. Every day, we are moving companies' proprietary data into a cloud, which can be hosted anywhere in the world. These companies need to understand how to identify where their data is going and what they are sending. Key network forensics skills and tools are discussed-for example, capturing network traffic, using Snort for network-based forensics, using NetWitness Investigator for network traffic analysis, and deciphering TCP/IP. The current and future states of network forensics analysis tools are addressed. The admissibility of network-based traffic is covered as well as the typical life cycle of a network forensics investigation.

Virtual, hands-on learning labs allow you to apply your technical skills using live hardware and software hosted in the cloud. So Sybex has bundled CompTIA Linux+ labs from Practice Labs, the IT Competency Hub, with our popular CompTIA Linux+ Study Guide, Fourth Edition. Working in these labs gives you the same experience you need to prepare for the CompTIA Linux+ Exam XK0-004 that you would face in a real-life setting. Used in addition to the book, the labs are a proven way to prepare for the certification and for work in the IT and cybersecurity fields where Linux is fundamental to modern systems and security. This is your one-stop resource for complete coverage of Exam XK0-004, covering 100% of all exam objectives. You'll prepare for the exam smarter and faster with Sybex thanks to superior content including, assessment tests that check exam readiness, objective map, real-world scenarios, hands-on exercises, key topic exam essentials, and

challenging chapter review questions. Linux is viewed by many organizations and companies as an excellent, low-cost, secure alternative to expensive OSs, such as Microsoft Windows and is crucial to today's server and cloud infrastructure. The CompTIA Linux+ exam tests a candidate's understanding and familiarity with the Linux. As the Linux server market share continues to grow, so too does demand for qualified and certified Linux administrators. Building on the popular Sybex Study Guide approach, this book will provide 100% coverage of the NEW Linux+ Exam XK0-004 objectives. The book contains clear and concise information on all Linux administration topic, and includes practical examples and insights drawn from real-world experience. Hardware and System Configuration Systems Operation and Maintenance Security Linux Troubleshooting and Diagnostics Automation and Scripting You'll also have access to an online test bank, including a bonus practice exam, electronic flashcards, and a searchable PDF of key terms. And with this edition you also get Practice Labs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to Practice Labs CompTIA Linux+ Exam Exam XK0-004 Labs with 65 unique lab modules to practice your skills.

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CompTIA Linux+ and exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master CompTIA Linux+ XK0-004 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks CompTIA Linux+ (XK0-004) Cert Guide is a best-of-breed exam study guide. Leading Linux trainers Ross Brunson and William "Bo" Rothwell 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 book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time, including

- Hardware and system configuration
- Systems operation and maintenance
- Security
- Linux troubleshooting and diagnostics
- Automation and scripting

It fully reflects major changes to this version of the Linux+ exam, including new coverage of virtualization, cloud concepts, Git, and orchestration.

Practical Packet Analysis

Backtrack 5 Wireless Penetration Testing

Digital Forensics for Network, Internet, and Cloud Computing

Guide to Network Defense and Countermeasures

Kali Linux Wireless Penetration Testing Beginner's Guide

Exam: 312-50

Kali Linux Wireless Penetration Testing: Beginner's Guide

Authoritative coverage on the first Linux+ exam revision in more than five years The Linux+ exam is an entry-level Linux certification exam administered by CompTIA that covers your knowledge of basic Linux system administration skills. With this being the first update to the exam in more than five years, you'll need to be prepared on the most up-to-date information on all Linux administration topics. Boasting clear and concise material, practical examples, and insights drawn from real-world experience, this study guide is an indispensable resource. Completely updated for the newest Linux+ exam—the first exam revision in more than five years Thorough coverage on key exam topics, including installation and configuration, system maintenance and operations, application and services, networking, and security Packed with chapter review questions, real-world scenarios, hands-on exercises, and a glossary of the most important terms you need to know CD features two practice exams, electronic flashcards, interactive chapter review questions, and the book in a searchable PDF Written by a highly respected and recognized author in the field of Linux, this study guide prepares you for the completely new Linux+ exam.

Master Wireshark to solve real-world security problems If you don't already use Wireshark for a wide range of information security tasks, you will after this book. Mature and powerful, Wireshark is commonly used to find root cause of challenging network issues. This book extends that power to information security professionals, complete with a downloadable, virtual lab environment. Wireshark for Security Professionals covers both offensive and defensive concepts that can be applied to essentially any InfoSec role. Whether into network security, malware analysis, intrusion detection, or penetration testing, this book demonstrates Wireshark through relevant and useful examples. Master Wireshark through both lab scenarios and exercises. Early in the book, a virtual lab environment is provided for the purpose of getting hands-on experience with Wireshark. Wireshark is combined with two popular platforms: Kali, the security-focused Linux distribution, and the Metasploit Framework, the open-source framework for security testing. Lab-based virtual systems generate network traffic for analysis, investigation and demonstration. In addition to following along with the labs you will be challenged with end-of-chapter exercises to expand on covered material. Lastly, this book explores Wireshark with Lua, the light-weight programming language. Lua allows you to extend and customize Wireshark's features for your needs as a security professional. Lua source code is available both in the book and online. Lua code and lab source code are available online through GitHub, which the book also introduces. The book's final two chapters greatly draw on Lua and TShark, the command-line interface of Wireshark. By the end of the book you will gain the following: Master the basics of Wireshark Explore the virtual w4sp-lab environment that mimics a real-world network Gain experience using the Debian-based Kali OS among other systems Understand the technical details behind network attacks Execute exploitation and grasp offensive and defensive activities, exploring them through Wireshark Employ Lua to extend Wireshark features and create useful scripts To sum up, the book content, labs and online material, coupled with many referenced sources of PCAP traces, together present a dynamic and robust manual for information security professionals seeking to leverage Wireshark.

The best-selling, hands-on roadmap to acing the new Linux+ exam In the newly updated Fifth Edition of

CompTIA Linux+ Study Guide: Exam XK0-005, IT industry veterans and tech education gurus Richard Blum and Christine Bresnahan deliver a concise and practical blueprint to success on the CompTIA Linux+ exam and in your first role as a Linux network or system administrator. In the book, you'll find concrete strategies and proven techniques to master Linux system management, security, scripting, containers, automation, and troubleshooting. Every competency tested on the Linux+ exam is discussed here. You'll also get: Hands-on Linux advice that ensures you're job-ready on the first day of your new network or sysadmin role Test-taking tips and tactics that decrease exam anxiety and get you ready for the challenging Linux+ exam Complimentary access to the Sybex learning environment, complete with online test bank, bonus practice exams, electronic flashcards, and a searchable glossary Perfect for practicing network and system admins seeking an in-demand and valuable credential for working with Linux servers and computers, **CompTIA Linux+ Study Guide: Exam XK0-005, Fifth Edition**, will also earn a place in the libraries of people looking to change careers and start down an exciting new path in tech.

This self-study guide delivers complete coverage of every topic on the GIAC Certified Incident Handler exam Prepare for the challenging GIAC Certified Incident Handler exam using the detailed information contained in this effective exam preparation guide. Written by a recognized cybersecurity expert and seasoned author, GCIH GIAC Certified Incident Handler All-in-One Exam Guide clearly explains all of the advanced security incident handling skills covered on the test. Detailed examples and chapter summaries throughout demonstrate real-world threats and aid in retention. You will get online access to 300 practice questions that match those on the live test in style, format, and tone. Designed to help you prepare for the exam, this resource also serves as an ideal on-the-job reference. Covers all exam topics, including: Intrusion analysis and incident handling Information gathering Scanning, enumeration, and vulnerability identification Vulnerability exploitation Infrastructure and endpoint attacks Network, DoS, and Web application attacks Maintaining access Evading detection and covering tracks Worms, bots, and botnets Online content includes: 300 practice exam questions Test engine that provides full-length practice exams and customizable quizzes A definitive guide to expertly analyzing protocols and troubleshooting networks using Wireshark Sensor Networking and Applications A-Z of Advanced Cybersecurity Concepts, Mock Exams, Real-world Scenarios with Expert Tips (English Edition) CompTIA Linux+ XK0-004 Cert Guide

Applied Network Security Monitoring

Instant Traffic Analysis with Tshark How-to

CEH v10 Certified Ethical Hacker Study Guide John Wiley & Sons

Protect your network as you move from the basics of the Wireshark scenarios to detecting and resolving network anomalies. Key Features Learn protocol analysis, optimization and troubleshooting using Wireshark, an open source tool Learn the usage of filtering and statistical tools to ease your troubleshooting job Quickly perform root-cause analysis over your network in an event of network failure or a security breach Book Description Wireshark is an open source protocol analyser, commonly used among the network and security professionals. Currently being developed and maintained by volunteer contributions of networking experts from all over the globe. Wireshark is mainly used to analyze network traffic, analyse network issues, analyse protocol behaviour, etc. - it lets you see what's going on in your network at a granular level. This book takes you from the basics of the Wireshark environment to detecting and resolving network anomalies. This book will start from the basics of setting up your Wireshark environment and will walk you through the fundamentals of networking and packet analysis. As you make your way through the chapters, you will discover different ways to analyse network traffic through creation and usage of filters and statistical features. You will look at network security packet analysis, command-line utilities, and other advanced tools that will come in handy when working with day-to-day network operations. By the end of this book, you have enough skill with Wireshark 2 to overcome real-world network challenges. What you will learn Learn how TCP/IP works Install Wireshark and understand its GUI Creation and Usage of Filters to ease analysis process Understand the usual and unusual behaviour of Protocols Troubleshoot network anomalies quickly with help of Wireshark Use Wireshark as a diagnostic tool for network security analysis to identify source of malware Decrypting wireless traffic Resolve latencies and bottleneck issues in the network Who this book is for If you are a security professional or a network enthusiast who is interested in understanding the internal working of networks and packets, then this book is for you. No prior knowledge of Wireshark is needed.

The Wireshark Field Guide provides hackers, pen testers, and network administrators with practical guidance on capturing and interactively browsing computer network traffic. Wireshark is the world's foremost network protocol analyzer, with a rich feature set that includes deep inspection of hundreds of protocols, live capture, offline analysis and many other features. The Wireshark Field Guide covers the installation, configuration and use of this powerful multi-platform tool. The book give readers the hands-on skills to be more productive with Wireshark as they drill down into the information contained in real-time network traffic. Readers will learn the fundamentals of packet capture and inspection, the use of color codes and filters, deep analysis, including probes and taps, and much more. The Wireshark Field Guide is an indispensable companion for network technicians, operators, and engineers. Learn the fundamentals of using Wireshark in a concise field manual Quickly create functional filters that will allow you to get to work quickly on solving problems Understand the myriad of options and the deep functionality of Wireshark Solve common network problems Learn some advanced features, methods and helpful ways to work more quickly and efficiently

As protecting information becomes a rapidly growing concern for today's businesses, certifications in IT security have become highly desirable, even as the number of certifications has grown. Now you can set yourself apart with the Certified Ethical Hacker (CEH v10) certification. The CEH v10 Certified Ethical Hacker Study Guide offers a comprehensive overview of the CEH

certification requirements using concise and easy-to-follow instruction. Chapters are organized by exam objective, with a handy section that maps each objective to its corresponding chapter, so you can keep track of your progress. The text provides thorough coverage of all topics, along with challenging chapter review questions and Exam Essentials, a key feature that identifies critical study areas. Subjects include intrusion detection, DDoS attacks, buffer overflows, virus creation, and more. This study guide goes beyond test prep, providing practical hands-on exercises to reinforce vital skills and real-world scenarios that put what you've learned into the context of actual job roles. Gain a unique certification that allows you to understand the mind of a hacker Expand your career opportunities with an IT certificate that satisfies the Department of Defense's 8570 Directive for Information Assurance positions Fully updated for the 2018 CEH v10 exam, including the latest developments in IT security Access the Sybex online learning center, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms Thanks to its clear organization, all-inclusive coverage, and practical instruction, the CEH v10 Certified Ethical Hacker Study Guide is an excellent resource for anyone who needs to understand the hacking process or anyone who wants to demonstrate their skills as a Certified Ethical Hacker.

CEH v10 Certified Ethical Hacker Study Guide

Exam XK0-005

Attacking Network Protocols

LPIC-2 Linux Professional Institute Certification Study Guide

Exam CAS-001

Distributed Sensor Networks, Second Edition

Using Wireshark and the Metasploit Framework

Wireless has become ubiquitous in today's world. The mobility and flexibility provided by it makes our lives more comfortable and productive. But this comes at a cost - Wireless technologies are inherently insecure and can be easily broken. BackTrack is a penetration testing and security auditing distribution that comes with a myriad of wireless networking tools used to simulate network attacks and detect security loopholes. Backtrack 5 Wireless Penetration Testing Beginner's Guide will take you through the journey of becoming a Wireless hacker. You will learn various wireless testing methodologies taught using live examples, which you will implement throughout this book. The engaging practical sessions very gradually grow in complexity giving you enough time to ramp up before you get to advanced wireless attacks. This book will take you through the basic concepts in Wireless and creating a lab environment for your experiments to the business of different lab sessions in wireless security basics, slowly turn on the heat and move to more complicated scenarios, and finally end your journey by conducting bleeding edge wireless attacks in your lab. There are many interesting and new things that you will learn in this book - War Driving, WLAN packet sniffing, Network Scanning, Circumventing hidden SSIDs and MAC filters, bypassing Shared Authentication, Cracking WEP and WPA/WPA2 encryption, Access Point MAC spoofing, Rogue Devices, Evil Twins, Denial of Service attacks, Viral SSIDs, Honeypot and Hotspot attacks, Caffe Latte WEP Attack, Man-in-the-Middle attacks, Evading Wireless Intrusion Prevention systems and a bunch of other cutting edge wireless attacks. If you were ever curious about what wireless security and hacking was all about, then this book will get you started by providing you with the knowledge and practical know-how to become a wireless hacker. Hands-on practical guide with a step-by-step approach to help you get started immediately with Wireless Penetration Testing

GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES provides a thorough guide to perimeter defense fundamentals, including intrusion detection and firewalls. This trusted text also covers more advanced topics such as security policies, network address translation (NAT), packet filtering and analysis, proxy servers, virtual private networks (VPN), and network traffic signatures. Thoroughly updated, the new third edition reflects the latest technology, trends, and techniques including virtualization, VMware, IPv6, and ICMPv6 structure, making it easier for current and aspiring professionals to stay on the cutting edge and one step ahead of potential security threats. A clear writing style and numerous screenshots and illustrations make even complex technical material easier to understand, while tips, activities, and projects throughout the text allow you to hone your skills by applying what you learn. Perfect for students and professionals alike in this high-demand, fast-growing field, GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES, Third Edition, is a must-have resource for success as a network security professional. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This is the eBook version of the print title. Note that the eBook may not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CompTIA Advanced Security Practitioner (CASP) CAS-003 exam success with this CompTIA Approved Cert Guide from Pearson IT Certification, a leader in IT Certification learning and a CompTIA Authorized Platinum Partner. Master CompTIA Advanced Security Practitioner (CASP) CAS-003 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks CompTIA Advanced Security Practitioner (CASP) CAS-003 Cert Guide is a best-of-breed exam study guide. Leading security certification training experts Robin Abernathy and Troy McMillan 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 book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA approved study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time, including: Enterprise security Risk management and incident response Research, analysis, and assessment Integration of computing,

communications, and business disciplines Technical integration of enterprise components Certified Ethical Hacker v10 Exam 312-50 Latest v10. This updated version includes three major enhancement, New modules added to cover complete CEHv10 blueprint. Book scrutinized to rectify grammar, punctuation, spelling and vocabulary errors. Added 150+ Exam Practice Questions to help you in the exam. CEHv10 Update CEH v10 covers new modules for the security of IoT devices, vulnerability analysis, focus on emerging attack vectors on the cloud, artificial intelligence, and machine learning including a complete malware analysis process. Our CEH workbook delivers a deep understanding of applications of the vulnerability analysis in a real-world environment. Information security is always a great challenge for networks and systems. Data breach statistics estimated millions of records stolen every day which evolved the need for Security. Almost each and every organization in the world demands security from identity theft, information leakage and the integrity of their data. The role and skills of Certified Ethical Hacker are becoming more significant and demanding than ever. EC-Council Certified Ethical Hacking (CEH) ensures the delivery of knowledge regarding fundamental and advanced security threats, evasion techniques from intrusion detection system and countermeasures of attacks as well as up-skill you to penetrate platforms to identify vulnerabilities in the architecture. CEH v10 update will cover the latest exam blueprint, comprised of 20 Modules which includes the practice of information security and hacking tools which are popularly used by professionals to exploit any computer systems. CEHv10 course blueprint covers all five Phases of Ethical Hacking starting from Reconnaissance, Gaining Access, Enumeration, Maintaining Access till covering your tracks. While studying CEHv10, you will feel yourself into a Hacker's Mindset. Major additions in the CEHv10 course are Vulnerability Analysis, IoT Hacking, Focused on Emerging Attack Vectors, Hacking Challenges, and updates of latest threats & attacks including Ransomware, Android Malware, Banking & Financial malware, IoT botnets and much more. IPSpecialist CEH technology workbook will help you to learn Five Phases of Ethical Hacking with tools, techniques, and The methodology of Vulnerability Analysis to explore security loopholes, Vulnerability Management Life Cycle, and Tools used for Vulnerability analysis. DoS/DDoS, Session Hijacking, SQL Injection & much more. Threats to IoT platforms and defending techniques of IoT devices. Advance Vulnerability Analysis to identify security loopholes in a corporate network, infrastructure, and endpoints. Cryptography Concepts, Ciphers, Public Key Infrastructure (PKI), Cryptography attacks, Cryptanalysis tools and Methodology of Crypt Analysis. Penetration testing, security audit, vulnerability assessment, and penetration testing roadmap. Cloud computing concepts, threats, attacks, tools, and Wireless networks, Wireless network security, Threats, Attacks, and Countermeasures and much more.

Using Wireshark to Solve Real-world Network Problems

CompTIA CASP+ CAS-004 Certification Guide

Wireshark 2 Quick Start Guide

CompTIA CASP+ CAS-004 Exam Guide

A Practical Guide to Power-line Communication

The Wireshark Field Guide

Analyzing and Troubleshooting Network Traffic

Provides information on ways to use Wireshark to capture and analyze packets, covering such topics as building customized capture and display filters, graphing traffic patterns, and building statistics and reports.

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CompTIA Pentest+ PT0-001 exam success with this CompTIA Cert Guide from Pearson IT Certification, a leader in IT Certification. Master CompTIA Pentest+ PT0-001 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions Get practical guidance for next steps and more advanced certifications CompTIA Pentest+ Cert Guide is a best-of-breed exam study guide. Leading IT security experts Omar Santos and Ron Taylor 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 book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. The CompTIA study guide helps you master all the topics on the Pentest+ exam, including: Planning and scoping: Explain the importance of proper planning and scoping, understand key legal concepts, explore key aspects of compliance-based assessments Information gathering and vulnerability identification: Understand passive and active reconnaissance, conduct appropriate information gathering and use open source intelligence (OSINT); perform vulnerability scans; analyze results; explain how to leverage gathered information in exploitation; understand weaknesses of specialized systems Attacks and exploits: Compare and contrast social engineering attacks; exploit network-based, wireless, RF-based, application-based, and local host vulnerabilities; summarize physical security attacks; perform post-exploitation techniques Penetration testing tools: Use numerous tools to perform reconnaissance, exploit vulnerabilities and perform post-exploitation activities; leverage the Bash shell, Python, Ruby, and PowerShell for basic scripting Reporting and communication: Write reports containing effective findings and recommendations for mitigation; master best practices for reporting and communication; perform post-engagement activities such as cleanup of tools or shells

Applied Network Security Monitoring is the essential guide to becoming an NSM analyst from the ground up. This book takes a fundamental approach to NSM, complete with dozens of real-world examples that teach you the key concepts of NSM. Network security monitoring is based on the principle that prevention eventually fails. In the current threat landscape, no matter how much you try, motivated attackers will eventually find their way into your network. At that point, it is your ability to detect and respond to that intrusion that can be the difference between a small incident and a major disaster. The book follows the three stages of the NSM cycle: collection, detection, and analysis. As you progress through each section, you will have access to insights from seasoned NSM professionals while being introduced to relevant, practical scenarios complete with sample data. If you've never performed NSM analysis, Applied Network Security Monitoring will give you an adequate grasp on the core concepts needed to become an effective analyst. If you are already a practicing analyst, this book will allow you to grow your analytic technique to make you more effective at your job. Discusses the proper methods for data collection, and teaches you how to become a skilled NSM analyst Provides thorough

hands-on coverage of Snort, Suricata, Bro-IDS, SiLK, and Argus Loaded with practical examples containing real PCAP files you can replay, and uses Security Onion for all its lab examples Companion website includes up-to-date blogs from the authors about the latest developments in NSM

A quick start guide to visualize your Elasticsearch data Key Features Your hands-on guide to visualizing the Elasticsearch data as well as navigating the Elastic stack Work with different Kibana plugins and create effective machine learning jobs using Kibana Build effective dashboards and reports without any hassle Book Description The Elastic Stack is growing rapidly and, day by day, additional tools are being added to make it more effective. This book endeavors to explain all the important aspects of Kibana, which is essential for utilizing its full potential. This book covers the core concepts of Kibana, with chapters set out in a coherent manner so that readers can advance their learning in a step-by-step manner. The focus is on a practical approach, thereby enabling the reader to apply those examples in real time for a better understanding of the concepts and to provide them with the correct skills in relation to the tool. With its succinct explanations, it is quite easy for a reader to use this book as a reference guide for learning basic to advanced implementations of Kibana. The practical examples, such as the creation of Kibana dashboards from CSV data, application RDBMS data, system metrics data, log file data, APM agents, and search results, can provide readers with a number of different drop-off points from where they can fetch any type of data into Kibana for the purpose of analysis or dashboarding. What you will learn Explore how Logstash is configured to fetch CSV data Understand how to create index patterns in Kibana Become familiar with how to apply filters on data Discover how to create ML jobs Explore how to analyze APM data from APM agents Get to grips with how to save, share, inspect, and edit visualizations Understand how to find an anomaly in data Who this book is for Kibana 7 Quick Start Guide is for developers new to Kibana who want to learn the fundamentals of using the tool for visualization, as well as existing Elastic developers.

CompTIA Linux+ Portable Command Guide

CompTIA Advanced Security Practitioner (CASP) CAS-003 Cert Guide

A Hacker's Guide to Capture, Analysis, and Exploitation

CEH: Certified Ethical Hacker Version 8 Study Guide

Certified Ethical Hacker (CEH) Version 9 Cert Guide

CMS Security Handbook

CompTIA PenTest+ PT0-001 Cert Guide

As protecting information continues to be a growing concern for today's businesses, certifications in IT security have become highly desirable, even as the number of certifications has grown. Now you can set yourself apart with the Certified Ethical Hacker (CEH v11) certification. The CEH v11 Certified Ethical Hacker Study Guide offers a comprehensive overview of the CEH certification requirements using concise and easy-to-follow instructions. Chapters are organized by exam objective, with a handy section that maps each objective to its corresponding chapter, so you can keep track of your progress. The text provides thorough coverage of all topics, along with challenging chapter review questions and Exam Essentials, a key feature that identifies critical study areas. Subjects include common attack practices like reconnaissance and scanning. Also covered are topics like intrusion detection, DoS attacks, buffer overflows, wireless attacks, mobile attacks, Internet of Things (IoT) and more. This study guide goes beyond test prep by providing practical hands-on exercises to reinforce vital skills and real-world scenarios that put what you've learned in the context of actual job roles. Gain a unique certification that allows you to function like an attacker, allowing you to identify vulnerabilities so they can be remediated Expand your career opportunities with an IT certificate that satisfies the Department of Defense's 8570 Directive for Information Assurance positions Fully updated for the 2020 CEH v11 exam including the latest developments in IT security Access the Sybex online learning center, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms Thanks to its clear organization, all-inclusive coverage, and practical instruction, the CEH v11 Certified Ethical Hacker Study Guide is an excellent resource for anyone who needs to understand the hacking process or anyone who wants to demonstrate their skills as a Certified Ethical Hacker.

Architect, engineer, integrate, and implement security across increasingly complex, hybrid enterprise networks Key Features Learn how to apply industry best practices and earn the CASP+ certification Explore over 400 CASP+ questions to test your understanding of key concepts and help you prepare for the exam Discover over 300 illustrations and diagrams that will assist you in understanding advanced CASP+ concepts Book Description CompTIA Advanced Security Practitioner (CASP+) ensures that security practitioners stay on top of the ever-changing security landscape. The CompTIA CASP+ CAS-004 Certification Guide offers complete, up-to-date coverage of the CompTIA CAS-004 exam so you can take it with confidence, fully equipped to pass on the first attempt. Written in a clear, succinct way with sample assessment questions, exam tips, and mock exams with detailed explanations, this book covers security architecture, security operations, security engineering, cryptography, governance, risk, and compliance. You'll begin by developing the skills to architect, engineer, integrate, and implement secure solutions across complex environments to support a real enterprise. Moving on, you'll discover how to monitor and detect security incidents, implement incident response, and use automation to proactively support ongoing security operations. The book also shows you how to apply security practices in the cloud, on-premises, to endpoints, and to mobile infrastructure. Finally, you'll understand the impact of governance, risk, and compliance requirements throughout the enterprise. By the end of this CASP study guide, you'll have covered everything you need to pass the CompTIA CASP+ CAS-004 certification exam and have a handy reference guide. What you will learn Understand Cloud Security Alliance (CSA) and the FedRAMP programs Respond to Advanced Persistent Threats (APT) by deploying hunt teams Understand the Cyber Kill Chain framework as well as MITRE ATT&CK and Diamond Models Deploy advanced cryptographic solutions using the latest FIPS standards Understand compliance requirements for GDPR, PCI, DSS, and COPPA Secure Internet of Things (IoT), Industrial control systems (ICS), and SCADA Plan for incident response and digital forensics using advanced tools Who this book is for This CompTIA book is for CASP+ CAS-004 exam candidates who want to achieve CASP+ certification to advance their career. Security architects, senior security engineers, SOC managers, security analysts, IT cybersecurity specialists/INFOSEC specialists, and cyber risk analysts will benefit from this book. Experience in an IT technical role or CompTIA Security

certification or equivalent is assumed.

This is the eBook edition of the Certified Ethical Hacker (CEH) Version 9 Cert Guide. This eBook does not include the practice exam that comes with the print edition. In this best-of-breed study guide, Certified Ethical Hacker (CEH) Version 9 Cert Guide, leading expert Michael Gregg helps you master all the topics you need to know to succeed on your Certified Ethical Hacker Version 9 exam and advance your career in IT security. Michael's concise, focused approach explains every exam objective from a real-world perspective, helping you quickly identify weaknesses and retain everything you need to know. Every feature of this book is designed to support both efficient exam preparation and term mastery:

- Opening Topics Lists identify the topics you need to learn in each chapter and list EC-Council's official exam objectives
- Key Topics figures, tables, and lists call attention to the information that's most crucial for exam success
- Exam Preparation Tasks enable you to review key topics, complete memory tables, define key terms, work through scenarios, and answer review questions...going beyond mere facts to master the concepts that are crucial for passing the exam and enhancing your career
- Key Terms are listed in each chapter and defined in a complete glossary explaining all the field's essential terminology

This study guide helps you master all the topics on the latest CEH exam including:

- Ethical hacking basics
- Technical foundations of hacking
- Footprinting and scanning
- Enumeration and system hacking
- Linux distro's, such as Kali and automated assessment tools
- Trojans and backdoors
- Sniffers, session hijacking, and denial of service
- Web server hacking, web applications, and database attacks
- Wireless technologies, mobile security, and mobile attacks
- IDS, firewalls, and honeypots
- Buffer overflows, viruses, and worms
- Cryptographic attacks and defenses
- Cloud security and social engineering

The Comprehensive Guide for WordPress, Joomla, Drupal, and Plone