

Chfi V9 Computer Hacking Forensics Investigator

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Advanced Penetration Testing Wil Allsopp 2017-02-27 Build a better defense against motivated, organized, professional attacks Advanced Penetration Testing: Hacking the World's Most Secure Networks takes hacking far beyond Kali linux and Metasploit to provide a more complex attack simulation. Featuring techniques not taught in any certification prep or covered by common defensive scanners, this book integrates social engineering, programming, and vulnerability exploits into a multidisciplinary approach for targeting and compromising high security environments. From discovering and creating attack vectors, and moving unseen through a target enterprise, to establishing command and exfiltrating data—even from organizations without a direct Internet connection—this guide contains the crucial techniques that provide a more accurate picture of your system's defense. Custom coding examples use VBA, Windows Scripting Host, C, Java, JavaScript, Flash, and more, with coverage of standard library applications and the use of scanning tools to bypass common defensive measures. Typical penetration testing consists of low-level hackers attacking a system with a list of known vulnerabilities, and defenders preventing those hacks using an equally well-known list of defensive scans. The professional hackers and nation states on the forefront of today's threats operate at a much more complex level—and this book shows you how to defend your high security network. Use targeted social engineering pretexts to create the initial compromise Leave a command and control structure in place for long-term access Escalate privilege and breach networks, operating systems, and trust structures Infiltrate further using harvested credentials while expanding control Today's threats are organized, professionally-run, and very much for-profit. Financial institutions, health care organizations, law enforcement, government agencies, and other high-value targets need to harden their IT infrastructure and human capital against targeted advanced attacks from motivated professionals. Advanced Penetration Testing goes beyond Kali linux and Metasploit and to provide you advanced pen testing for high security networks.

Gray Hat Hacking, Second Edition Shon Harris 2008-01-10 "A fantastic book for anyone looking to learn the tools and techniques needed to break in and stay in." --Bruce Potter, Founder, The Shmoo Group "Very highly recommended whether you are a seasoned professional or just starting out in the security business." --Simple Nomad, Hacker

Bug Bounty Hunting Essentials Carlos A. Lozano 2018-11-30 Get hands-on experience on concepts of Bug Bounty Hunting Key FeaturesGet well-versed with the fundamentals of Bug Bounty HuntingHands-on experience on using different tools for bug huntingLearn to write a bug bounty report according to the different vulnerabilities and its analysisBook Description Bug bounty programs are the deals offered by prominent companies where-in any white-hat hacker can find bugs in the applications and they will have a recognition for the same. The number of prominent organizations having this program has increased gradually leading to a lot of opportunity for Ethical Hackers. This book will initially start with introducing you to the concept of Bug Bounty hunting. Then we will dig deeper into concepts of vulnerabilities and analysis such as HTML injection, CRLF injection and so on. Towards the end of the book, we will get hands-on experience working with different tools used for bug hunting and various blogs and communities to be followed. This book will get you started with bug bounty hunting and its fundamentals. What you will learnLearn the basics of bug bounty huntingHunt bugs in web applicationsHunt bugs in Android applicationsAnalyze the top 300 bug reportsDiscover bug bounty hunting research methodologiesExplore different tools used for Bug HuntingWho this book is for This book is targeted towards white-hat hackers, or anyone who wants to understand

the concept behind bug bounty hunting and understand this brilliant way of penetration testing. This book does not require any knowledge on bug bounty hunting.

CEH Certified Ethical Hacker Practice Exams Matt Walker 2013-03-15 The perfect supplement to CEH Certified Ethical Hacker All-in-One Exam Guide, this practice exams book provides valuable test preparation for candidates preparing to pass the exam and achieve one of the fastest-growing information security credentials available. Designed as an exam-focused study-self aid and resource, CEH Certified Ethical Hacker Practice Exams offers practice test items from each domain of the latest CEH exam, and provides knowledge and scenario-based questions plus one case study-based Lab Question per chapter. In-depth answer explanations for both the correct and incorrect answers are included. The book contains more than 400 practice exam questions (in the book and electronic content) that match the actual exam questions in content and feel. The CEH Program certifies individuals in the specific network security discipline of Ethical Hacking from a vendor-neutral perspective. A Certified Ethical Hacker is a skilled IT professional responsible for testing the weaknesses and vulnerabilities in target systems and uses the same knowledge and tools as a malicious hacker. Covers all exam topics, including intrusion detection, policy creation, social engineering, ddos attacks, buffer overflows, virus creation, and more Based on the 2011 CEH exam update Electronic content includes two complete practice exam simulations Market / Audience The Certified Ethical Hacker certification certifies the application knowledge of security officers, auditors, security professionals, site administrators, and anyone who is concerned about the integrity of the network infrastructure. DOD 8570 workforce requirements include CEH as an approved commercial credential US-CERT's EBK and Certified Computer Security Incident Handler (CSIH) standards map to CEH CEH is an international, vendor-neutral certification that can be taken at any Prometric or VUE testing center worldwide. The exam costs \$250. The Ethical Hacker is usually employed with the organization and can be trusted to undertake an attempt to penetrate networks and/or computer systems using the same methods as a Hacker. Hacking is a felony in the United States and most other countries. When it is done by request and under a contract between an Ethical Hacker and an organization, it is legal. The most important point is that an Ethical Hacker has authorization to probe the target. Matt Walker, CCNA, CCNP, MCSE, CEH, CNDA, CPTS (Ft. Lauderdale, FL) is the IA Training Instructor Supervisor and a Sr. IA Analyst at Dynetics, Inc., in Huntsville, Alabama. An IT education professional for over 15 years, Matt served as the Director of Network Training Center and the Curriculum Lead and Senior Instructor for the local Cisco Networking Academy on Ramstein AB, Germany. After leaving the US Air Force, Matt served as a Network Engineer for NASA's Secure Network Systems, designing and maintaining secured data, voice and video networking for the agency.

CEH v11 Certified Ethical Hacker Study Guide Ric Messier 2021-07-16 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, 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 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.

CISSP: Certified Information Systems Security Professional Study Guide James Michael Stewart 2011-01-13 Totally updated for 2011, here's the ultimate study guide for the CISSP exam. Considered the most desired certification for IT security professionals, the Certified Information Systems Security Professional designation is also a career-booster. This comprehensive study guide covers every aspect of the 2011 exam and the latest revision of the CISSP body of knowledge. It offers advice on how to pass each section of the exam and features expanded coverage of biometrics, auditing and accountability, software security testing, and other key topics. Included is a CD with two full-length, 250-question sample exams to test your progress. CISSP certification identifies the ultimate IT security professional; this complete study guide is fully updated to cover all the objectives of the 2011 CISSP exam. Provides in-depth knowledge of access control, application development security, business continuity and disaster recovery planning, cryptography, Information Security governance and risk management, operations security, physical (environmental) security, security architecture and design, and telecommunications and network security. Also covers legal and regulatory investigation and compliance. Includes two practice exams and challenging review questions on the CD. Professionals seeking the CISSP certification will boost their chances of success with *CISSP: Certified Information Systems Security Professional Study Guide, 5th Edition*.

Certified Ethical Hacker (CEH) Version 9 Cert Guide Michael Gregg 2017-03-30 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 long-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 to 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

Computer Forensics: Investigating File and Operating Systems, Wireless Networks, and Storage (CHFI) EC-Council 2016-04-29 The Computer Forensic Series by EC-Council provides the knowledge and skills to identify, track, and prosecute the cyber-criminal. The series is comprised of four books covering a broad base of topics in Computer Hacking Forensic Investigation, designed to expose the reader to the process of detecting attacks and collecting evidence in a forensically

sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. In full, this and the other three books provide preparation to identify evidence in computer related crime and abuse cases as well as track the intrusive hacker's path through a client system. The series and accompanying labs help prepare the security student or professional to profile an intruder's footprint and gather all necessary information and evidence to support prosecution in a court of law. *File and Operating Systems, Wireless Networks, and Storage* provides a basic understanding of file systems, storage and digital media devices. Boot processes, Windows and Linux Forensics and application of password crackers are all discussed. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Beginning Ethical Hacking with Kali Linux Sanjib Sinha 2018-11-29 Get started in white-hat ethical hacking using Kali Linux. This book starts off by giving you an overview of security trends, where you will learn the OSI security architecture. This will form the foundation for the rest of *Beginning Ethical Hacking with Kali Linux*. With the theory out of the way, you'll move on to an introduction to VirtualBox, networking, and common Linux commands, followed by the step-by-step procedure to build your own web server and acquire the skill to be anonymous. When you have finished the examples in the first part of your book, you will have all you need to carry out safe and ethical hacking experiments. After an introduction to Kali Linux, you will carry out your first penetration tests with Python and code raw binary packets for use in those tests. You will learn how to find secret directories on a target system, use a TCP client in Python, and scan ports using NMAP. Along the way you will discover effective ways to collect important information, track email, and use important tools such as DMITRY and Maltego, as well as take a look at the five phases of penetration testing. The coverage of vulnerability analysis includes sniffing and spoofing, why ARP poisoning is a threat, how Sniffjoke prevents poisoning, how to analyze protocols with Wireshark, and using sniffing packets with Scapy. The next part of the book shows you detecting SQL injection vulnerabilities, using sqlmap, and applying brute force or password attacks. Besides learning these tools, you will see how to use OpenVas, Nikto, Vega, and Burp Suite. The book will explain the information assurance model and the hacking framework Metasploit, taking you through important commands, exploit and payload basics. Moving on to hashes and passwords you will learn password testing and hacking techniques with John the Ripper and Rainbow. You will then dive into classic and modern encryption techniques where you will learn the conventional cryptosystem. In the final chapter you will acquire the skill of exploiting remote Windows and Linux systems and you will learn how to own a target completely. What You Will Learn Master common Linux commands and networking techniques Build your own Kali web server and learn to be anonymous Carry out penetration testing using Python Detect sniffing attacks and SQL injection vulnerabilities Learn tools such as Sniffjoke, Wireshark, Scapy, sqlmap, OpenVas, Nikto, and Burp Suite Use Metasploit with Kali Linux Exploit remote Windows and Linux systems Who This Book Is For Developers new to ethical hacking with a basic understanding of Linux programming.

CHFI Computer Hacking Forensic Investigator Certification All-in-One Exam Guide Charles L. Brooks 2014-10-02 An all-new exam guide for version 8 of the Computer Hacking Forensic Investigator (CHFI) exam from EC-Council. Get complete coverage of all the material included on version 8 of the EC-Council's Computer Hacking Forensic Investigator exam from this comprehensive resource. Written by an expert information security professional and educator, this authoritative guide addresses the tools and techniques required to successfully conduct a computer forensic investigation. 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 this challenging exam, this definitive volume also serves as an essential on-the-job reference. *CHFI Computer Hacking Forensic Investigator Certification All-in-One Exam Guide* covers all exam topics, including:

- Computer forensics investigation process
- Setting up a computer forensics lab
- First responder procedures
- Search and seizure laws
- Collecting and transporting digital evidence
- Understanding hard disks and file systems
- Recovering deleted files and partitions
- Windows forensics
- Forensics investigations using the AccessData Forensic Toolkit (FTK) and Guidance Software's EnCase
- Network, wireless, and mobile forensics
- Investigating web attacks
- Preparing investigative reports
- Becoming an expert witness

Electronic content includes: 300 practice exam questions Test engine that provides full-length practice exams and customized quizzes by chapter or by exam domain PDF copy of the book

Learning Malware Analysis Monnappa K A 2018-06-29 Understand malware analysis and its practical implementation Key Features Explore the key concepts of malware analysis and memory forensics using real-world examples Learn the art of detecting, analyzing, and investigating malware threats Understand adversary tactics and techniques Book Description Malware analysis and memory forensics are powerful analysis and investigation techniques used in reverse engineering, digital forensics, and incident response. With adversaries becoming sophisticated and carrying out advanced malware attacks on critical infrastructures, data centers, and private and public organizations, detecting, responding to, and investigating such intrusions is critical to information security professionals. Malware analysis and memory forensics have become must-have skills to fight advanced malware, targeted attacks, and security breaches. This book teaches you the concepts, techniques, and tools to understand the behavior and characteristics of malware through malware analysis. It also teaches you techniques to investigate and hunt malware using memory forensics. This book introduces you to the basics of malware analysis, and then gradually progresses into the more advanced concepts of code analysis and memory forensics. It uses real-world malware samples, infected memory images, and visual diagrams to help you gain a better understanding of the subject and to equip you with the skills required to analyze, investigate, and respond to malware-related incidents. What you will learn Create a safe and isolated lab environment for malware analysis Extract the metadata associated with malware Determine malware's interaction with the system Perform code analysis using IDA Pro and x64dbg Reverse-engineer various malware functionalities Reverse engineer and decode common encoding/encryption algorithms Reverse-engineer malware code injection and hooking techniques Investigate and hunt malware using memory forensics Who this book is for This book is for incident responders, cyber-security investigators, system administrators, malware analyst, forensic practitioners, student, or curious security professionals interested in learning malware analysis and memory forensics. Knowledge of programming languages such as C and Python is helpful but is not mandatory. If you have written few lines of code and have a basic understanding of programming concepts, you'll be able to get most out of this book.

CEH Certified Ethical Hacker Bundle, Fourth Edition Matt Walker 2019-07-03 Thoroughly revised to cover all CEH v10 exam objectives, this bundle includes two books, online resources, and a bonus quick review guide This fully updated, money-saving self-study set prepares you for the CEH v10 exam. You can start by reading *CEH Certified Ethical Hacker All-in-One Exam Guide, Fourth Edition* to learn about every topic included in the v10 exam objectives. Next, you can reinforce what you've learned with the 650+ practice questions featured in *CEH Certified Ethical Hacker Practice Exams, Fourth Edition*. The *CEH Certified Ethical Hacker Bundle, Fourth Edition* also includes a bonus a quick review guide that can be used as the final piece for exam preparation. A bonus voucher code for four hours of lab time from Practice Labs, a virtual machine platform providing access to real hardware and software, can be combined with the two hours of lab time included with the *All-in-One Exam Guide* and provides the hands-on experience that's tested in the optional new CEH Practical exam. This edition features up-to-date coverage of all five phases of ethical hacking: reconnaissance, gaining access, enumeration, maintaining access, and covering tracks. •In all, the bundle includes more than 1,000 accurate questions with detailed answer explanations•Online content includes customizable practice exam software containing 600 practice questions in total and voucher codes for six free hours of lab time from Practice Labs•Bonus Quick Review Guide only available with this bundle•This bundle is 22% cheaper than buying the two books separately and includes exclusive online content

Learn Computer Forensics William Oettinger 2020-04-30 Get up and running with collecting evidence using forensics best practices to present your findings in judicial or administrative proceedings Key Features Learn the core techniques of computer forensics to acquire and secure digital evidence skillfully Conduct a digital forensic examination and document the digital evidence collected Analyze security systems and overcome complex challenges with a variety of forensic investigations Book Description A computer forensics investigator must possess a variety of skills, including the ability to answer legal questions, gather and document evidence, and prepare for an investigation. This book will help you get up and running with using digital forensic tools and techniques to investigate cybercrimes successfully. Starting with an overview of forensics and all the open source and commercial tools needed to get the job done, you'll learn core forensic practices for searching databases and

analyzing data over networks, personal devices, and web applications. You'll then learn how to acquire valuable information from different places, such as filesystems, e-mails, browser histories, and search queries, and capture data remotely. As you advance, this book will guide you through implementing forensic techniques on multiple platforms, such as Windows, Linux, and macOS, to demonstrate how to recover valuable information as evidence. Finally, you'll get to grips with presenting your findings efficiently in judicial or administrative proceedings. By the end of this book, you'll have developed a clear understanding of how to acquire, analyze, and present digital evidence like a proficient computer forensics investigator. What you will learn Understand investigative processes, the rules of evidence, and ethical guidelines Recognize and document different types of computer hardware Understand the boot process covering BIOS, UEFI, and the boot sequence Validate forensic hardware and software Discover the locations of common Windows artifacts Document your findings using technically correct terminology Who this book is for If you're an IT beginner, student, or an investigator in the public or private sector this book is for you. This book will also help professionals and investigators who are new to incident response and digital forensics and interested in making a career in the cybersecurity domain.

Applied Incident Response Steve Anson 2020-01-29 Incident response is critical for the active defense of any network, and incident responders need up-to-date, immediately applicable techniques with which to engage the adversary. *Applied Incident Response* details effective ways to respond to advanced attacks against local and remote network resources, providing proven response techniques and a framework through which to apply them. As a starting point for new incident handlers, or as a technical reference for hardened IR veterans, this book details the latest techniques for responding to threats against your network, including: Preparing your environment for effective incident response Leveraging MITRE ATT&CK and threat intelligence for active network defense Local and remote triage of systems using PowerShell, WMIC, and open-source tools Acquiring RAM and disk images locally and remotely Analyzing RAM with Volatility and Rekall Deep-dive forensic analysis of system drives using open-source or commercial tools Leveraging Security Onion and Elastic Stack for network security monitoring Techniques for log analysis and aggregating high-value logs Static and dynamic analysis of malware with YARA rules, FLARE VM, and Cuckoo Sandbox Detecting and responding to lateral movement techniques, including pass-the-hash, pass-the-ticket, Kerberoasting, malicious use of PowerShell, and many more Effective threat hunting techniques Adversary emulation with Atomic Red Team Improving preventive and detective controls

Information Security Governance Krag Brotby 2009-04-22 The Growing Imperative Need for Effective Information Security Governance With monotonous regularity, headlines announce ever more spectacular failures of information security and mounting losses. The succession of corporate debacles and dramatic control failures in recent years underscores the necessity for information security to be tightly integrated into the fabric of every organization. The protection of an organization's most valuable asset information can no longer be relegated to low-level technical personnel, but must be considered an essential element of corporate governance that is critical to organizational success and survival. Written by an industry expert, *Information Security Governance* is the first book-length treatment of this important topic, providing readers with a step-by-step approach to developing and managing an effective information security program. Beginning with a general overview of governance, the book covers: The business case for information security Defining roles and responsibilities Developing strategic metrics Determining information security outcomes Setting security governance objectives Establishing risk management objectives Developing a cost-effective security strategy A sample strategy development The steps for implementing an effective strategy Developing meaningful security program development metrics Designing relevant information security management metrics Defining incident management and response metrics Complemented with action plans and sample policies that demonstrate to readers how to put these ideas into practice, *Information Security Governance* is indispensable reading for any professional who is involved in information security and assurance.

Searching and Seizing Computers and Obtaining Electronic Evidence in Criminal Investigations Orin S. Kerr 2001

CEH v10 Certified Ethical Hacker Study Guide Ric Messier 2019-05-31 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.

Penetration Testing Essentials Oriyano 2016-11-15 Your pen testing career begins here, with a solid foundation in essential skills and concepts Penetration Testing Essentials provides a starting place for professionals and beginners looking to learn more about penetration testing for cybersecurity. Certification eligibility requires work experience—but before you get that experience, you need a basic understanding of the technical and behavioral ways attackers compromise security, and the tools and techniques you'll use to discover the weak spots before others do. You'll learn information gathering techniques, scanning and enumeration, how to target wireless networks, and much more as you build your pen tester skill set. You'll learn how to break in, look around, get out, and cover your tracks, all without ever being noticed. Pen testers are tremendously important to data security, so they need to be sharp and well-versed in technique, but they also need to work smarter than the average hacker. This book set you on the right path, with expert instruction from a veteran IT security expert with multiple security certifications. IT Security certifications have stringent requirements and demand a complex body of knowledge. This book lays the groundwork for any IT professional hoping to move into a cybersecurity career by developing a robust pen tester skill set. Learn the fundamentals of security and cryptography Master breaking, entering, and maintaining access to a system Escape and evade detection while covering your tracks Build your pen testing lab and the essential toolbox Start developing the tools and mindset you need to become experienced in pen testing today.

Advanced CISSP Prep Guide Ronald L. Krutz 2003-02-17 Get ready to pass the CISSP exam and earn your certification with this advanced test guide Used alone or as an in-depth supplement to the bestselling The CISSP Prep Guide, this book provides you with an even more intensive preparation for the CISSP exam. With the help of more than 300 advanced questions and detailed answers, you'll gain a better understanding of the key concepts associated with the ten domains of the common body of knowledge (CBK). Each question is designed to test you on the information you'll need to know in order to pass the exam. Along with explanations of the answers to these advanced questions, you'll find discussions on some common incorrect responses as well. In addition to serving as an excellent tutorial, this book presents you with the latest developments in information security. It includes new information on: Carnivore, Echelon, and the U.S. Patriot Act The Digital Millennium Copyright Act (DMCA) and recent rulings The European Union Electronic Signature Directive The Advanced Encryption Standard, biometrics, and the Software Capability Maturity Model Genetic algorithms and wireless security models New threats and countermeasures The CD-ROM includes all the questions and answers from the book with the Boson-powered test engine.

CEH v9 Oriyano 2016-04-29 The ultimate preparation guide for the unique CEH exam. The CEH v10: Certified Ethical Hacker Version 10 Study Guide is your ideal companion for CEH v10 exam preparation. This comprehensive, in-depth review of CEH certification requirements is designed to help you internalize critical information using concise, to-the-point explanations and an easy-to-follow approach to the material. Covering all sections of the exam, the discussion highlights essential

topics like intrusion detection, DDoS attacks, buffer overflows, and malware creation in detail, and puts the concepts into the context of real-world scenarios. Each chapter is mapped to the corresponding exam objective for easy reference, and the Exam Essentials feature helps you identify areas in need of further study. You also get access to online study tools including chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms to help you ensure full mastery of the exam material. The Certified Ethical Hacker is one-of-a-kind in the cybersecurity sphere, allowing you to delve into the mind of a hacker for a unique perspective into penetration testing. This guide is your ideal exam preparation resource, with specific coverage of all CEH objectives and plenty of practice material. Review all CEH v10 topics systematically Reinforce critical skills with hands-on exercises Learn how concepts apply in real-world scenarios Identify key proficiencies prior to the exam The CEH certification puts you in professional demand, and satisfies the Department of Defense's 8570 Directive for all Information Assurance government positions. Not only is it a highly-regarded credential, but it's also an expensive exam—making the stakes even higher on exam day. The CEH v10: Certified Ethical Hacker Version 10 Study Guide gives you the intense preparation you need to pass with flying colors.

CEH Certified Ethical Hacker All-in-One Exam Guide Matt Walker 2011-10-01 Get complete coverage of all the objectives included on the EC-Council's Certified Ethical Hacker exam inside this comprehensive resource. Written by an IT security expert, this authoritative guide covers the vendor-neutral CEH exam in full detail. 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 TOPICS, INCLUDING:** Introduction to ethical hacking Cryptography Reconnaissance and footprinting Network scanning Enumeration System hacking Evasion techniques Social engineering and physical security Hacking web servers and applications SQL injection Viruses, trojans, and other attacks Wireless hacking Penetration testing Electronic content includes: Two practice exams Bonus appendix with author's recommended tools, sites, and references

Computer Forensics: Investigation Procedures and Response (CHFI) EC-Council 2016-04-11 The Computer Forensic Series by EC-Council provides the knowledge and skills to identify, track, and prosecute the cyber-criminal. The series is comprised of four books covering a broad base of topics in Computer Hacking Forensic Investigation, designed to expose the reader to the process of detecting attacks and collecting evidence in a forensically sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. In full, this and the other three books provide preparation to identify evidence in computer related crime and abuse cases as well as track the intrusive hacker's path through a client system. The series and accompanying labs help prepare the security student or professional to profile an intruder's footprint and gather all necessary information and evidence to support prosecution in a court of law. The first book in the Computer Forensics series is Investigation Procedures and Response. Coverage includes a basic understanding of the importance of computer forensics, how to set up a secure lab, the process for forensic investigation including first responder responsibilities, how to handle various incidents and information on the various reports used by computer forensic investigators. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Ethical Hacking and Countermeasures: Web Applications and Data Servers EC-Council 2009-09-24 The EC-Council | Press Ethical Hacking and Countermeasures Series is comprised of five books covering a broad base of topics in offensive network security, ethical hacking, and network defense and countermeasures. The content of this series is designed to immerse the reader into an interactive environment where they will be shown how to scan, test, hack and secure information systems. With the full series of books, the reader will gain in-depth knowledge and practical experience with essential security systems, and become prepared to succeed on the Certified Ethical Hacker, or C|EH, certification from EC-Council. This certification covers a plethora of offensive security topics ranging from how perimeter defenses work, to scanning and attacking simulated networks. A wide variety of tools, viruses, and malware is presented in this and the other four books, providing a complete understanding of the tactics and tools used by hackers. By gaining a thorough understanding of how hackers operate, an Ethical Hacker will be

able to set up strong countermeasures and defensive systems to protect an organization's critical infrastructure and information. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Intelligence and Security Informatics G. Alan Wang 2017-05-11 This book constitutes the refereed proceedings of the 12th Pacific Asia Workshop on Intelligence and Security Informatics, PAISI 2017, held in Jeju Island, South Korea, in May 2017 in conjunction with PAKDD 2017, the 21st Pacific-Asia Conference on Knowledge Discovery and Data Mining. The 8 revised full papers and one short paper were carefully reviewed and selected from 13 submissions. The papers cover topics such as information access and security, cybersecurity and infrastructure protection, data and text mining, and network based data analytics.

CHFI Exam 312-49 Practice Tests 200 Questions & Explanations James Bolton 2019-12-18 CHFI Exam 312-49 Practice Tests 200 Questions & Explanations Pass Computer Hacking Forensic Investigator in First Attempt - EC-Council "Electronic money laundering", "online vandalism, extortion, and terrorism", "sales and investment frauds", "online fund transfer frauds", "email spamming", "identity theft", "confidential data-stealing", etc. are some of the terms we come across every day and they all require no explanation. Internet indisputably has been one of the greatest inventions of mankind, but no progress was ever achieved without hurdles on highways, and the same goes for the gift of Kahn and Cerf. As the number of internet users along with stats of cybercrime continues to grow exponentially day after day, the world faces a shortage of professionals who can keep a check on the online illegal criminal activities. This is where a CHFI comes into play. The EC Council Certified Hacker Forensic Investigators surely enjoy the benefits of a job which makes them the James Bond of the online world. Let's have a quick glance on the job responsibilities of a CHFI: A complete investigation of cybercrimes, laws overthrown, and study of details required to obtain a search warrant. A thorough study of various digital evidence based on the book laws and the category of the crime. Recording of the crime scene, collection of all available digital evidence, securing and transporting this evidence for further investigations, and reporting of the entire scene. Recovery of deleted or corrupted files, folders, and sometimes entire partitions in any available electronic gadget. Using Access Data FTK, Encase Stenography, Steganalysis, as well as image file forensics for investigation. Cracking secure passwords with different concepts and password cracks to gain access to password-protected directories. Investigation of wireless attacks, different website attacks, and tracking emails from suspicious sources to keep a check on email crimes. Joining the Team with CHFI Course The EC Council Certified Ethical Hacker Forensic Investigation Course gives the candidate the required skills and training to trace and analyze the fingerprints of cybercriminals necessary for his prosecution. The course involves an in-depth knowledge of different software, hardware, and other specialized tactics. Computer Forensics empowers the candidates to investigate and analyze potential legal evidence. After attaining the official EC Council CHFI Certification, these professionals are eligible to apply in various private as well as government sectors as Computer Forensics Expert. Gaining the CHFI Certification After going through a vigorous training of 5 days, the students have to appear for CHFI Exam (Code 312-49) on the sixth day. On qualifying the exam, they are finally awarded the official tag of Computer Forensic Investigator from the EC Council. Is this the right path for me? If you're one of those who are always keen to get their hands on the latest security software, and you have the zeal required to think beyond the conventional logical concepts, this course is certainly for you. Candidates who are already employed in the IT Security field can expect good rise in their salary after completing the CHFI certification.

CEH Certified Ethical Hacker All-in-One Exam Guide, Fifth Edition Matt Walker 2021-11-05 Up-to-date coverage of every topic on the CEH v11 exam Thoroughly updated for CEH v11 exam objectives, this integrated self-study system offers complete coverage of the EC-Council's Certified Ethical Hacker exam. In this new edition, IT security expert Matt Walker discusses the latest tools, techniques, and exploits relevant to the exam. 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 comprehensive resource also serves as an essential on-the-job reference. Covers all exam topics, including: Ethical hacking fundamentals Reconnaissance and footprinting Scanning and enumeration Sniffing and evasion Attacking a system Hacking web servers and applications Wireless network hacking Mobile, IoT, and OT Security in cloud computing Trojans and other attacks, including malware analysis Cryptography Social engineering and physical

security Penetration testing Online content includes: 300 practice exam questions Test engine that provides full-length practice exams and customized quizzes by chapter or exam domain

The Official CHFI Study Guide (Exam 312-49) Dave Kleiman 2011-08-31 This is the official CHFI (Computer Hacking Forensics Investigator) study guide for professionals studying for the forensics exams and for professionals needing the skills to identify an intruder's footprints and properly gather the necessary evidence to prosecute. The EC-Council offers certification for ethical hacking and computer forensics. Their ethical hacker exam has become very popular as an industry gauge and we expect the forensics exam to follow suit. Material is presented in a logical learning sequence: a section builds upon previous sections and a chapter on previous chapters. All concepts, simple and complex, are defined and explained when they appear for the first time. This book includes: Exam objectives covered in a chapter are clearly explained in the beginning of the chapter, Notes and Alerts highlight crucial points, Exam's Eye View emphasizes the important points from the exam's perspective, Key Terms present definitions of key terms used in the chapter, Review Questions contains the questions modeled after real exam questions based on the material covered in the chapter. Answers to the questions are presented with explanations. Also included is a full practice exam modeled after the real exam. The only study guide for CHFI, provides 100% coverage of all exam objectives. CHFI Training runs hundreds of dollars for self tests to thousands of dollars for classroom training.

Gray Hat Hacking: The Ethical Hacker's Handbook, Fifth Edition Daniel Regalado 2018-04-05 Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 13 new chapters, Gray Hat Hacking, The Ethical Hacker's Handbook, Fifth Edition explains the enemy's current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-try testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. And the new topic of exploiting the Internet of things is introduced in this edition. •Build and launch spoofing exploits with Ettercap •Induce error conditions and crash software using fuzzers •Use advanced reverse engineering to exploit Windows and Linux software •Bypass Windows Access Control and memory protection schemes •Exploit web applications with Padding Oracle Attacks •Learn the use-after-free technique used in recent zero days •Hijack web browsers with advanced XSS attacks •Understand ransomware and how it takes control of your desktop •Dissect Android malware with JEB and DAD decompilers •Find one-day vulnerabilities with binary diffing •Exploit wireless systems with Software Defined Radios (SDR) •Exploit Internet of things devices •Dissect and exploit embedded devices •Understand bug bounty programs •Deploy next-generation honeypots •Dissect ATM malware and analyze common ATM attacks •Learn the business side of ethical hacking

Network Forensics Ric Messier 2017-08-07 Intensively hands-on training for real-world network forensics Network Forensics provides a uniquely practical guide for IT and law enforcement professionals seeking a deeper understanding of cybersecurity. This book is hands-on all the way—by dissecting packets, you gain fundamental knowledge that only comes from experience. Real packet captures and log files demonstrate network traffic investigation, and the learn-by-doing approach relates the essential skills that traditional forensics investigators may not have. From network packet analysis to host artifacts to log analysis and beyond, this book emphasizes the critical techniques that bring evidence to light. Network forensics is a growing field, and is becoming increasingly central to law enforcement as cybercrime becomes more and more sophisticated. This book provides an unprecedented level of hands-on training to give investigators the skills they need. Investigate packet captures to examine network communications Locate host-based artifacts and analyze network logs Understand intrusion detection systems—and let them do the legwork Have the right architecture and systems in place ahead of an incident Network data is always changing, and is never saved in one place; an investigator must understand how to examine data over time, which involves specialized skills that go above and beyond memory, mobile, or data forensics. Whether you're preparing for a security certification or just seeking deeper training for a law enforcement or IT role, you can only learn so much from concept; to thoroughly understand something, you need to do it. Network Forensics provides intensive hands-on practice with direct translation to real-world application.

Computer Vision Li Fei-Fei 2013-02-01 When a 3-dimensional world is projected onto a 2-dimensional image, such as the human retina or a photograph, reconstructing back the layout and contents of the real-world becomes an ill-posed problem that is extremely difficult to solve. Humans possess the remarkable ability to navigate and understand the visual world by solving the inversion problem going from 2D to 3D. Computer Vision seeks to imitate such abilities of humans to recognize objects, navigate scenes, reconstruct layouts, and understand the geometric space and semantic meaning of the visual world. These abilities are critical in many applications including robotics, autonomous driving and exploration, photo organization, image, or video retrieval, and human-computer interaction. This book delivers a systematic overview of computer vision, comparable to that presented in an advanced graduate level class. The authors emphasize two key issues in modeling vision: space and meaning, and focus upon the main problems vision needs to solve, including: * mapping out the 3D structure of objects and scenes* recognizing objects* segmenting objects* recognizing meaning of scenes* understanding movements of humans Motivated by these important problems and centered on the understanding of space and meaning, the book explores the fundamental theories and important algorithms of computer vision, starting from the analysis of 2D images, and culminating in the holistic understanding of a 3D scene

The Mind Behind The Hoodie Mayank Rajkumar Sambare 2021-08-15 "How to learn - a key talent for a hacker, hacking in reality," says the author of this book. Hacking is a creative process that is based more on lifestyle than Chapter This book not only explains how hacking works on a technical level, but it is also written from the perspective of a hacker, which is extremely beneficial for IT professionals. With so many security breaches and invasions of privacy by major tech firms, this book provides a helpful introduction to how to keep secure online and why it is essential. We Can't teach you everything that you need to know, but we can help you recognise what you need to learn. This is also true as a result of the ongoing advancements in computer sciences. What we teach now may be out of date tomorrow. It is far preferable for you to adopt hacker learning habits, which are arguably the most important aspect of hacking and will set you apart from the script kiddies (a person who runs hacking tools without knowing how or why they work).

Operating System Forensics Ric Messier 2015-11-12 Operating System Forensics is the first book to cover all three critical operating systems for digital forensic investigations in one comprehensive reference. Users will learn how to conduct successful digital forensic examinations in Windows, Linux, and Mac OS, the methodologies used, key technical concepts, and the tools needed to perform examinations. Mobile operating systems such as Android, iOS, Windows, and Blackberry are also covered, providing everything practitioners need to conduct a forensic investigation of the most commonly used operating systems, including technical details of how each operating system works and how to find artifacts. This book walks you through the critical components of investigation and operating system functionality, including file systems, data recovery, memory forensics, system configuration, Internet access, cloud computing, tracking artifacts, executable layouts, malware, and log files. You'll find coverage of key technical topics like Windows Registry, /etc directory, Web browsers caches, Mbox, PST files, GPS data, ELF, and more. Hands-on exercises in each chapter drive home the concepts covered in the book. You'll get everything you need for a successful forensics examination, including incident response tactics and legal requirements. Operating System Forensics is the only place you'll find all this covered in one book. Covers digital forensic investigations of the three major operating systems, including Windows, Linux, and Mac OS Presents the technical details of each operating system, allowing users to find artifacts that might be missed using automated tools Hands-on exercises drive home key concepts covered in the book. Includes discussions of cloud, Internet, and major mobile operating systems such as Android and iOS

CompTIA PenTest+ Study Guide Mike Chapple 2018-10-15 World-class preparation for the new PenTest+ exam The CompTIA PenTest+ Study Guide: Exam PT0-001 offers comprehensive preparation for the newest intermediate cybersecurity certification exam. With expert coverage of Exam PT0-001 objectives, this book is your ideal companion throughout all stages of study; whether you're just embarking on your certification journey or finalizing preparations for the big day, this invaluable resource helps you solidify your understanding of essential skills and concepts. Access to the Sybex online learning environment allows you to study anytime, anywhere with electronic flashcards, a searchable glossary, and more, while hundreds of practice exam questions help you step up your preparations and avoid surprises on exam day. The CompTIA PenTest+

certification validates your skills and knowledge surrounding second-generation penetration testing, vulnerability assessment, and vulnerability management on a variety of systems and devices, making it the latest go-to qualification in an increasingly mobile world. This book contains everything you need to prepare; identify what you already know, learn what you don't know, and face the exam with full confidence! Perform security assessments on desktops and mobile devices, as well as cloud, IoT, industrial and embedded systems Identify security weaknesses and manage system vulnerabilities Ensure that existing cybersecurity practices, configurations, and policies conform with current best practices Simulate cyberattacks to pinpoint security weaknesses in operating systems, networks, and applications As our information technology advances, so do the threats against it. It's an arms race for complexity and sophistication, and the expansion of networked devices and the Internet of Things has integrated cybersecurity into nearly every aspect of our lives. The PenTest+ certification equips you with the skills you need to identify potential problems—and fix them—and the CompTIA PenTest+ Study Guide: Exam PT0-001 is the central component of a complete preparation plan.

CCFP Certified Cyber Forensics Professional All-in-One Exam Guide Chuck Easttom 2014-08-29 Get complete coverage of all six CCFP exam domains developed by the International Information Systems Security Certification Consortium (ISC)2. Written by a leading computer security expert, this authoritative guide fully addresses cyber forensics techniques, standards, technologies, and legal and ethical principles. 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 SIX EXAM DOMAINS: Legal and ethical principles Investigations Forensic science Digital forensics Application forensics Hybrid and emerging technologies ELECTRONIC CONTENT INCLUDES: 250 practice exam questions Test engine that provides full-length practice exams and customized quizzes by chapter or by exam domain

Penetration Testing 2011

CEH v11 Ric Messier 2021-09-15 Master CEH v11 and identify your weak spots CEH: Certified Ethical Hacker Version 11 Practice Tests are the ideal preparation for this high-stakes exam. Five complete, unique practice tests are designed to help you identify weak spots in your understanding, so you can direct your preparation efforts efficiently and gain the confidence—and skills—you need to pass. These tests cover all section sections of the exam blueprint, allowing you to test your knowledge of Background, Analysis/Assessment, Security, Tools/Systems/Programs, Procedures/Methodology, Regulation/Policy, and Ethics. Coverage aligns with CEH version 11, including material to test your knowledge of reconnaissance and scanning, cloud, tablet, and mobile and wireless security and attacks, the latest vulnerabilities, and the new emphasis on Internet of Things (IoT). The exams are designed to familiarize CEH candidates with the test format, allowing them to become more comfortable apply their knowledge and skills in a high-pressure test setting. The ideal companion for the Sybex CEH v11 Study Guide, this book is an invaluable tool for anyone aspiring to this highly-regarded certification. Offered by the International Council of Electronic Commerce Consultants, the Certified Ethical Hacker certification is unique in the penetration testing sphere, and requires preparation specific to the CEH exam more than general IT security knowledge. This book of practice tests help you steer your study where it needs to go by giving you a glimpse of exam day while there's still time to prepare. Practice all seven sections of the CEH v11 exam Test your knowledge of security, tools, procedures, and regulations Gauge your understanding of vulnerabilities and threats Master the material well in advance of exam day By getting inside the mind of an attacker, you gain a one-of-a-kind perspective that dramatically boosts your marketability and advancement potential. If you're ready to attempt this unique certification, the CEH: Certified Ethical Hacker Version 11 Practice Tests are the major preparation tool you should not be without.

(ISC)2 CISSP Certified Information Systems Security Professional Official Study Guide Mike Chapple 2021-06-16 CISSP Study Guide - fully updated for the 2021 CISSP Body of Knowledge (ISC)2 Certified Information Systems Security Professional (CISSP) Official Study Guide, 9th Edition has been completely updated based on the latest 2021 CISSP Exam Outline. This bestselling Sybex Study Guide covers 100% of the exam objectives. You'll prepare for the exam smarter and faster with Sybex thanks to expert content, knowledge from our real-world experience, advice on mastering this adaptive exam, access to the Sybex online interactive

learning environment, and much more. Reinforce what you've learned with key topic exam essentials and chapter review questions. The three co-authors of this book bring decades of experience as cybersecurity practitioners and educators, integrating real-world expertise with the practical knowledge you'll need to successfully pass the CISSP exam. Combined, they've taught cybersecurity concepts to millions of students through their books, video courses, and live training programs. Along with the book, you also get access to Sybex's superior online interactive learning environment that includes: Over 900 new and improved practice test questions with complete answer explanations. This includes all of the questions from the book plus four additional online-only practice exams, each with 125 unique questions. You can use the online-only practice exams as full exam simulations. Our questions will help you identify where you need to study more. Get more than 90 percent of the answers correct, and you're ready to take the certification exam. More than 700 Electronic Flashcards to reinforce your learning and give you last-minute test prep before the exam A searchable glossary in PDF to give you instant access to the key terms you need to know for the exam New for the 9th edition: Audio Review. Author Mike Chapple reads the Exam Essentials for each chapter providing you with 2 hours and 50 minutes of new audio review for yet another way to reinforce your knowledge as you prepare. Coverage of all of the exam topics in the book means you'll be ready for: Security and Risk Management Asset Security Security Architecture and Engineering Communication and Network Security Identity and Access Management (IAM) Security Assessment and Testing Security Operations Software Development Security

Incident Response & Computer Forensics, Third Edition Jason T. Luttgens 2014-08-01 The definitive guide to incident response--updated for the first time in a decade! Thoroughly revised to cover the latest and most effective tools and techniques, Incident Response & Computer Forensics, Third Edition arms you with the information you need to get your organization out of trouble when data breaches occur. This practical resource covers the entire lifecycle of incident response, including preparation, data collection, data analysis, and remediation. Real-world case studies reveal the methods behind--and remediation strategies for--today's most insidious attacks. Architect an infrastructure that allows for methodical investigation and remediation Develop leads, identify indicators of compromise, and determine incident scope Collect and preserve live data Perform forensic duplication Analyze data from networks, enterprise services, and applications Investigate Windows and Mac OS X systems Perform malware triage Write detailed incident response reports Create and implement comprehensive remediation plans

Exam 70-411 Administering Windows Server 2012 Microsoft Official Academic Course 2013-03-25 Microsoft Windows Server is a multi-purpose server designed to increase reliability and flexibility of a network infrastructure. Windows Server is the paramount tool used by enterprises in their datacenter and desktop strategy. The most recent versions of Windows Server also provide both server and client virtualization. Its ubiquity in the enterprise results in the need for networking professionals who know how to plan, design, implement, operate, and troubleshoot networks relying on Windows Server. Microsoft Learning is preparing the next round of its Windows Server Certification program with exams covering the new version of the software, Windows Server 2012. The exams and certification path change significantly from the previous version of Windows Server. This provides an opportunity for the MS line to capitalize on the dual disruption of brand-new software and brand-new certifications.

Investigating Internet Crimes Todd G. Shipley 2013-11-12 Written by experts on the frontlines, Investigating Internet Crimes provides seasoned and new investigators with the background and tools they need to investigate crime occurring in the online world. This invaluable guide provides step-by-step instructions for investigating Internet crimes, including locating, interpreting, understanding, collecting, and documenting online electronic evidence to benefit investigations. Cybercrime is the fastest growing area of crime as more criminals seek to exploit the speed, convenience and anonymity that the Internet provides to commit a diverse range of criminal activities. Today's online crime includes attacks against computer data and systems, identity theft, distribution of child pornography, penetration of online financial services, using social networks to commit crimes, and the deployment of viruses, botnets, and email scams such as phishing. Symantec's 2012 Norton Cybercrime Report stated that the world spent an estimated \$110 billion to combat cybercrime, an average of nearly \$200 per victim. Law enforcement agencies and corporate security officers around the world with the responsibility for enforcing, investigating and prosecuting cybercrime are overwhelmed, not only by the sheer number of crimes being committed but by a lack of adequate training material. This book provides that fundamental knowledge, including how to properly collect and document online evidence, trace IP addresses, and work undercover. Provides step-by-step instructions on how to investigate crimes online Covers how new software tools can assist in online investigations Discusses how to track down, interpret, and understand online electronic evidence to benefit investigations Details guidelines for collecting and documenting online evidence that can be presented in court