Penetration Testing And Network Defense Pearsoncmg

Employ the most advanced pentesting techniques and tools to build highly-secured systems and environments About This Book Learn how to build your own pentesting lab environment to practice advanced techniques Customize your own scripts, and learn methods to exploit 32-bit and 64-bit programs Explore a vast variety of stealth techniques to bypass a number of protections when penetration testing Who This

Book Is For This book is for anyone who wants to improve their skills in penetration testing. As it follows a step-by-step approach, anyone from a novice to an experienced security tester can learn effective techniques to deal with highly secured environments. Whether you are brand new or a seasoned expert, this book will provide you with the skills you need to successfully create, customize, and plan an advanced penetration test. What You Will Learn A step-by-step methodology to identify and penetrate secured environments Get to know the

process to test network services across enterprise architecture when defences are in place Grasp different web application testing methods and how to identify web application protections that are deployed Understand a variety of concepts to exploit software Gain proven post-exploitation techniques to exfiltrate data from the target Get to grips with various stealth techniques to remain undetected and defeat the latest defences Be the first to find out the latest methods to bypass firewalls Follow proven approaches to record and save the data from tests for analysis

In Detail The defences continue to improve and become more and more common, but this book will provide you with a number or proven techniques to defeat the latest defences on the networks. The methods and techniques contained will provide you with a powerful arsenal of best practices to increase your penetration testing successes. The processes and methodology will provide you techniques that will enable you to be successful, and the step by step instructions of information gathering and intelligence will allow you to gather the required information on the

targets you are testing. The exploitation and post-exploitation sections will supply you with the tools you would need to go as far as the scope of work will allow you. The challenges at the end of each chapter are designed to challenge you and provide real-world situations that will hone and perfect your penetration testing skills. You will start with a review of several well respected penetration testing methodologies, and following this you will learn a step-by-step methodology of professional security testing, including stealth, methods of evasion, and obfuscation to

perform your tests and not be detected! The final challenge will allow you to create your own complex layered architecture with defences and protections in place, and provide the ultimate testing range for you to practice the methods shown throughout the book. The challenge is as close to an actual penetration test assignment as you can get! Style and approach The book follows the standard penetration testing stages from start to finish with step-by-step examples. The book thoroughly covers penetration test expectations, proper scoping and planning, as well as

enumeration and foot printing Evade antiviruses and bypass firewalls with the most widely used penetration testing frameworks Key Features Gain insights into the latest antivirus evasion techniques Set up a complete pentesting environment using Metasploit and virtual machines Discover a variety of tools and techniques that can be used with Kali Linux Book Description Penetration testing or ethical hacking is a legal and foolproof way to identify vulnerabilities in your system. With thorough penetration testing, you can secure your system against the majority of

threats. This Learning Path starts with an in-depth explanation of what hacking and penetration testing is. You'll gain a deep understanding of classical SQL and command injection flaws, and discover ways to exploit these flaws to secure your system. You'll also learn how to create and customize payloads to evade antivirus software and bypass an organization's defenses. Whether it's exploiting server vulnerabilities and attacking client systems, or compromising mobile phones and installing backdoors, this Learning Path will guide you through all this

and more to improve your defense against online attacks. By the end of this Learning Path, you'll have the knowledge and skills you need to invade a system and identify all its vulnerabilities. This Learning Path includes content from the following Packt products: Web Penetration Testing with Kali Linux - Third Edition by Juned Ahmed Ansari and Gilberto Najera-Gutierrez Metasploit Penetration Testing Cookbook - Third Edition by Abhinav Singh , Monika Agarwal, et al What you will learn Build and analyze Metasploit modules in Ruby Integrate Metasploit with other

penetration testing tools Use server-side attacks to detect vulnerabilities in web servers and their applications Explore automated attacks such as fuzzing web applications Identify the difference between hacking a web application and network hacking Deploy Metasploit with the Penetration Testing Execution Standard (PTES) Use MSFvenom to generate payloads and backdoor files, and create shellcode Who this book is for This Learning Path is designed for security professionals, web programmers, and pentesters who want to learn vulnerability exploitation and make the

most of the Metasploit framework. Some understanding of penetration testing and Metasploit is required, but basic system administration skills and the ability to read code are a must. Have You Ever Wanted To Be A Hacker? Or Do You Simply Crave To Keep Yourself Updated With The Latest Technologies And Penetrating Techniques? If yes, then, Quick Start to HACKING is the right book. This book presents proven and practical step-by-step guides on... * Computers and Smartphones hacking * How to use Kali Linux * Penetration Testing * How to

attack networks, corrupt systems and evade anti-viruses * How to Identify Vulnerabilities in websites and Applications * Simple Vulnerability Assessment and Exploitation tools This book provides you with detailed basic hacking resources and gets you exposed to the latest secret techniques of professional hackers.Enjoy limitless opportunities and benefits that this book offers by simply clicking on the DOWNLOAD Button

Learn how to build complex virtual architectures that allow you to perform virtually any required testing methodology

and perfect it About This Book Explore and build intricate architectures that allow you to emulate an enterprise network Test and enhance your security skills against complex and hardened virtual architecture Learn methods to bypass common enterprise defenses and leverage them to test the most secure environments. Who This Book Is For While the book targets advanced penetration testing, the process is systematic and as such will provide even beginners with a solid methodology and approach to testing. You are expected to have network and security

knowledge. The book is intended for anyone who wants to build and enhance their existing professional security and penetration testing methods and skills. What You Will Learn Learning proven security testing and penetration testing techniques Building multi-layered complex architectures to test the latest network designs Applying a professional testing methodology Determining whether there are filters between you and the target and how to penetrate them Deploying and finding weaknesses in common firewall architectures. Learning

advanced techniques to deploy against hardened environments Learning methods to circumvent endpoint protection controls In Detail Security flaws and new hacking techniques emerge overnight – security professionals need to make sure they always have a way to keep . With this practical guide, learn how to build your own virtual pentesting lab environments to practice and develop your security skills. Create challenging environments to test your abilities, and overcome them with proven processes and methodologies used by global

penetration testing teams. Get to grips with the techniques needed to build complete virtual machines perfect for pentest training. Construct and attack layered architectures, and plan specific attacks based on the platforms you're going up against. Find new vulnerabilities for different kinds of systems and networks, and what these mean for your clients. Driven by a proven penetration testing methodology that has trained thousands of testers, Building Virtual Labs for Advanced Penetration Testing, Second Edition will prepare you for participation in professional

security teams. Style and approach The book is written in an easy-to-follow format that provides a step–by-step, process-centric approach. Additionally, there are numerous hands-on examples and additional references for readers who might want to learn even more. The process developed throughout the book has been used to train and build teams all around the world as professional security and penetration testers.
(CCNA Security exam 640-553) (Authorized Self-Study Guide)
Executing Social Engineering Pen Tests, Assessments and Defense

Build your defense against complex attacks
Cybersecurity ??? Attack and Defense Strategies
Improving your Penetration Testing Skills
Building Virtual Pentesting Labs for Advanced Penetration Testing
Cyber-terrorism and corporate espionage are increasingly common and devastating threats, making trained network security professionals more important than ever.
Wilson/Simpson/Antill's HANDS-ON ETHICAL HACKING

AND NETWORK DEFENSE, 4th edition, equips you with the knowledge and skills to protect networks using the tools and techniques of an ethical hacker. The authors explore the concept of ethical hacking and its practitioners -- explaining their importance in protecting corporate and government data -- and then deliver an in-depth guide to performing security testing. Thoroughly updated, the text covers new security resources,

emerging vulnerabilities and innovative methods to protect networks, mobile security considerations, computer crime laws and penalties for illegal computer hacking. A final project brings many of the concepts together in a penetration testing exercise and report. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Seven Deadliest Network Attacks identifies seven classes of network attacks and discusses how the attack works, including tools to accomplish the attack, the risks of the attack, and how to defend against the attack. This book pinpoints the most dangerous hacks and exploits specific to networks, laying out the anatomy of these attacks including how to make your system more secure. You will discover the best ways to defend

against these vicious hacks with step-by-step instruction and learn techniques to make your computer and network impenetrable. The book consists of seven chapters that deal with the following attacks: denial of service; war dialing; penetration testing; protocol tunneling; spanning tree attacks; man-in-the-middle; and password replay. These attacks are not mutually exclusive and were chosen because they help

illustrate different aspects of network security. The principles on which they rely are unlikely to vanish any time soon, and they allow for the possibility of gaining something of interest to the attacker, from money to high-value data. This book is intended to provide practical, usable information. However, the world of network security is evolving very rapidly, and the attack that works today may

(hopefully) not work tomorrow. It is more important, then, to understand the principles on which the attacks and exploits are based in order to properly plan either a network attack or a network defense. Seven Deadliest Network Attacks will appeal to information security professionals of all levels, network admins, and recreational hackers. Knowledge is power, find out about the most dominant

attacks currently waging war on computers and networks globally
Discover the best ways to defend against these vicious attacks; step-by-step instruction shows you how Institute countermeasures, don't be caught defenseless again, and learn techniques to make your computer and network impenetrable
Learn how to build complex virtual architectures that allow you to perform virtually any required testing

methodology and perfect itAbout This Book- Explore and build intricate architectures that allow you to emulate an enterprise network- Test and enhance your security skills against complex and hardened virtual architecture- Learn methods to bypass common enterprise defenses and leverage them to test the most secure environments.Who This Book Is ForWhile the book targets advanced penetration testing, the

process is systematic and as such will provide even beginners with a solid methodology and approach to testing.You are expected to have network and security knowledge. The book is intended for anyone who wants to build and enhance their existing professional security and penetration testing methods and skills.What You Will Learn - Learning proven security testing and penetration testing techniques- Building multi-layered

complex architectures to test the latest network designs- Applying a professional testing methodology- Determining whether there are filters between you and the target and how to penetrate them- Deploying and finding weaknesses in common firewall architectures.- Learning advanced techniques to deploy against hardened environments- Learning methods to circumvent endpoint protection controls In

DetailSecurity flaws and new hacking techniques emerge overnight - security professionals need to make sure they always have a way to keep . With this practical guide, learn how to build your own virtual pentesting lab environments to practice and develop your security skills. Create challenging environments to test your abilities, and overcome them with proven processes and methodologies used by global penetration

testing teams.Get to grips with the techniques needed to build complete virtual machines perfect for pentest training. Construct and attack layered architectures, and plan specific attacks based on the platforms you're going up against. Find new vulnerabilities for different kinds of systems and networks, and what these mean for your clients.Driven by a proven penetration testing methodology that

has trained thousands of testers, Building Virtual Labs for Advanced Penetration Testing, Second Edition will prepare you for participation in professional security teams. Style and approach The book is written in an easy-to-follow format that provides a step-by-step, process-centric approach. Additionally, there are numerous hands-on examples and additional references for readers who might

want to learn even more. The process developed throughout the book has been used to train and build teams all around the world as professional security and penetration testers. Discover the next level of network defense and penetration testing with the Metasploit 5.0 framework Key FeaturesMake your network robust and resilient with this updated edition covering the latest pentesting techniquesExplore a

variety of entry points to compromise a system while remaining undetectedEnhance your ethical hacking skills by performing penetration tests in highly secure environmentsBook Description Updated for the latest version of Metasploit, this book will prepare you to face everyday cyberattacks by simulating real-world scenarios. Complete with step-by-step explanations of essential concepts and

practical examples, Mastering Metasploit will help you gain insights into programming Metasploit modules and carrying out exploitation, as well as building and porting various kinds of exploits in Metasploit. Giving you the ability to perform tests on different services, including databases, IoT, and mobile, this Metasploit book will help you get to grips with real-world, sophisticated scenarios

where performing penetration tests is a challenge. You'll then learn a variety of methods and techniques to evade security controls deployed at a target's endpoint. As you advance, you'll script automated attacks using CORTANA and Armitage to aid penetration testing by developing virtual bots and discover how you can add custom functionalities in Armitage. Following real-world case studies, this

book will take you on a journey through client-side attacks using Metasploit and various scripts built on the Metasploit 5.0 framework. By the end of the book, you'll have developed the skills you need to work confidently with efficient exploitation techniques What you will learnDevelop advanced and sophisticated auxiliary, exploitation, and post-exploitation modulesLearn to script automated attacks using

CORTANATest services such as databases, SCADA, VoIP, and mobile devicesAttack the client side with highly advanced pentesting techniquesBypass modern protection mechanisms, such as antivirus, IDS, and firewallsImport public exploits to the Metasploit FrameworkLeverage C and Python programming to effectively evade endpoint protectionWho this book is for If you are a professional penetration tester,

security engineer, or law enforcement analyst with basic knowledge of Metasploit, this book will help you to master the Metasploit framework and guide you in developing your exploit and module development skills. Researchers looking to add their custom functionalities to Metasploit will find this book useful. As Mastering Metasploit covers Ruby programming and attack scripting using Cortana, practical knowledge of Ruby and

Cortana is required.
Penetration Testing and Cisco Network Defense
A Beginner's Guide to Computer and Wireless Networks Defense Strategies, Penetration Testing and Information Security Risk Assessment
MindTap Information Security, 1 Term 6 Months Access Card for Simpson/Antills Hands-On Ethical Hacking and Network Defense + DVD for Simpson/Antills Hands-On Ethical Hacking and Network Defense, 3rd Ed.

The Complete Guide to Understanding Wireless Technology, Network Security and Mastering Communication Systems. Includes Simples Approach to Learn Hacking Basics and Kali Linux.

Penetration Testing

Mastering Metasploit

Target, test, analyze, and report on security vulnerabilities with pen testing Pen Testing is necessary for companies looking to target, test, analyze, and patch the security vulnerabilities from hackers attempting to break into and

compromise their organizations data. It takes a person with hacking skills to look for the weaknesses that make an organization susceptible to hacking. Pen Testing For Dummies aims to equip IT enthusiasts at various levels with the basic knowledge of pen testing. It is the go-to book for those who have some IT experience but desire more knowledge of how to gather intelligence on a target, learn the steps for mapping out a test, and discover best practices for analyzing, solving, and reporting on vulnerabilities. The different

phases of a pen test from pre-engagement to completion Threat modeling and understanding risk When to apply vulnerability management vs penetration testing Ways to keep your pen testing skills sharp, relevant, and at the top of the game Get ready to gather intelligence, discover the steps for mapping out tests, and analyze and report results! Cyber-terrorism and corporate espionage are increasingly common and devastating threats, making trained network security professionals more important than ever. This timely text helps you gain the

knowledge and skills to protect networks using the tools and techniques of an ethical hacker. The authors begin by exploring the concept of ethical hacking and its practitioners, explaining their importance in protecting corporate and government data from cyber attacks. The text then provides an in-depth guide to performing security testing against computer networks, covering current tools and penetration testing methodologies. Updated for today's cyber security environment, the Third Edition of this trusted text features new computer security resources,

coverage of emerging vulnerabilities and innovative methods to protect networks, a new discussion of mobile security, and information on current federal and state computer crime laws, including penalties for illegal computer hacking. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Are you interested in learning how to become a hacker? If your answer is yes, then look no further. This book will take you down that road. This book is going to teach you how hackers

reason. Besides understanding the reasons why a hacker would target your computer, you will also get to know how they are able to do it and even how you can safeguard your systems, equipment, and network against hacking attacks. Keen readers will, by the end of this book, understand how their systems work, how to scan, and how to gain access to your computer. The book has been structured in 11 chapters that will each teach you something new in matters hacking with Kali Linux. Concepts have been simplified. By the time you come to the end of this book,

you will have mastered the basics of computer hacking alongside a number of advanced concepts in social engineering attack mechanisms. The book is truly a template for everyone who intends to understand hacking. Additionally, you can expect the following from this book: Introduction to Kali Linux The Basics of Hacking and Using Kali Linux Kali Tools Penetration Testing The process of ethical hacking How to scanning devices in a network What are cyber attacks The basics of cybersecurity Vulnerability assessments

Wireless network hacking Analyzing and managing networks Penetration Testing Plenty of books about Hacking with Kali Linux do not cover crucial concepts in a satisfactory fashion. Let me say again that nothing has been left out by this book. Grab yourself a copy of this book, and you will get to discover interesting stuff about hacking using Kali Linux. The book will provide you a platform to be better student, security administrator, or penetration tester. You will also find out how you can protect your computer from all the hacker's attacks!Scroll up and

click BUY NOW button! Enhance your organization's secure posture by improving your attack and defense strategies Key Features Gain a clear understanding of the attack methods, and patterns to recognize abnormal behavior within your organization with Blue Team tactics. Learn to unique techniques to gather exploitation intelligence, identify risk and demonstrate impact with Red Team and Blue Team strategies. A practical guide that will give you hands-on experience to mitigate risks and prevent attackers from infiltrating your system. Book

Description The book will start talking about the security posture before moving to Red Team tactics, where you will learn the basic syntax for the Windows and Linux tools that are commonly used to perform the necessary operations. You will also gain hands-on experience of using new Red Team techniques with powerful tools such as python and PowerShell, which will enable you to discover vulnerabilities in your system and how to exploit them. Moving on, you will learn how a system is usually compromised by adversaries, and how they hack

user's identity, and the various tools used by the Red Team to find vulnerabilities in a system. In the next section, you will learn about the defense strategies followed by the Blue Team to enhance the overall security of a system. You will also learn about an in-depth strategy to ensure that there are security controls in each network layer, and how you can carry out the recovery process of a compromised system. Finally, you will learn how to create a vulnerability management strategy and the different techniques for manual log analysis. By the end of this

book, you will be well-versed with Red Team and Blue Team techniques and will have learned the techniques used nowadays to attack and defend systems. What you will learn Learn the importance of having a solid foundation for your security posture Understand the attack strategy using cyber security kill chain Learn how to enhance your defense strategy by improving your security policies, hardening your network, implementing active sensors, and leveraging threat intelligence Learn how to perform an incident investigation Get an in-depth

understanding of the recovery process Understand continuous security monitoring and how to implement a vulnerability management strategy Learn how to perform log analysis to identify suspicious activities Who this book is for This book aims at IT professional who want to venture the IT security domain. IT pentester, Security consultants, and ethical hackers will also find this course useful. Prior knowledge of penetration testing would be beneficial. Quick Start to HACKING Building Virtual Pentesting Labs for Advanced Penetration Testing - Second Edition

Exploit systems, cover your tracks, and bypass security controls with the Metasploit 5.0 framework, 4th Edition
The Art of Network Penetration Testing
This Book Includes: Hacking with Kali Linux, Ethical Hacking. Learn How to Manage Cyber Risks Using Defense Strategies and Penetration Testing for Information Systems Security.
Advanced Penetration Testing
The Art of Network Penetration Testing is a guide to simulating an internal security breach. You'll take on the role of the attacker and work through every

stage of a professional pentest, from information gathering to seizing control of a system and owning the network. Summary Penetration testing is about more than just getting through a perimeter firewall. The biggest security threats are inside the network, where attackers can rampage through sensitive data by exploiting weak access controls and poorly patched software. Designed for up-and-coming security professionals, The Art of Network Penetration Testing teaches you how to take over an enterprise network from the inside. It lays out every stage of an internal security

assessment step-by-step, showing you how to identify weaknesses before a malicious invader can do real damage. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Penetration testers uncover security gaps by attacking networks exactly like malicious intruders do. To become a world-class pentester, you need to master offensive security concepts, leverage a proven methodology, and practice, practice, practice. Th is book delivers insights from security expert Royce Davis,

along with a virtual testing environment you can use to hone your skills. About the book The Art of Network Penetration Testing is a guide to simulating an internal security breach. You'll take on the role of the attacker and work through every stage of a professional pentest, from information gathering to seizing control of a system and owning the network. As you brute force passwords, exploit unpatched services, and elevate network level privileges, you'll learn where the weaknesses are—and how to take advantage of them. What's inside Set up a virtual pentest lab Exploit

Windows and Linux network vulnerabilities Establish persistent re-entry to compromised targets Detail your findings in an engagement report About the reader For tech professionals. No security experience required. About the author Royce Davis has orchestrated hundreds of penetration tests, helping to secure many of the largest companies in the world. Table of Contents 1 Network Penetration Testing PHASE 1 - INFORMATION GATHERING 2 Discovering network hosts 3 Discovering network services 4 Discovering network

vulnerabilities PHASE 2 - FOCUSED PENETRATION 5 Attacking vulnerable web services 6 Attacking vulnerable database services 7 Attacking unpatched services PHASE 3 - POST-EXPLOITATION AND PRIVILEGE ESCALATION 8 Windows post-exploitation 9 Linux or UNIX post-exploitation 10 Controlling the entire network PHASE 4 - DOCUMENTATION 11 Post-engagement cleanup 12 Writing a solid pentest deliverable

Do you feel that informatics is indispensable in today's increasingly digital world? Do you want to introduce yourself to

the world of hacking? Do you want to have a head start in the job market by learning some of the most important future skills? If the answer to these questions is yes, then keep reading... Maybe you feel that Ethical Hacking will be a very valuable skill in the future, or maybe you simply think you'll have fun. If you want to teach yourself actual hacking (not just copy pasting a virus or a similar non-industry kind of hacking), then this is the book for you! First of all, we'll need to look at what an ethical hacker actually is. This book is filled with reasons why you should learn ethical hacking, as

well as a few helpful tutorials to help you learn in the quickest way. This book assumes no programming knowledge at the start, so we'll be teaching you from the ground up. After all, you can't really teach yourself all that well if you don't have the fundamentals set. Ethical hacking can be, and for many people is, an extremely lucrative career to be enjoyed. The first thing you probably think of when you hear the word hackers is a criminal that works via the Internet. However, this book is here to teach you that there's more to it than meets the eye. Within these pages, you'll find a

true trove of information and learn not only the raw theory, but also some practical applications. Here's a sneak peek of what you'll learn with this book: - What Ethical Hacking is (roles and responsibilities of an Ethical Hacker) - Hacking as a career - Making money freelance - Most common security tools - The three ways to scan your system - The seven proven penetration testing strategies ...and much more. Arm yourself with all this knowledge! Scroll to the top of the page and select the BUY NOW button!

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.
Network Defense and Countermeasures: Principles and Practices Everything you need to know about modern network attacks and defense, in one book Clearly explains core network security concepts, challenges, technologies, and skills Thoroughly updated for the latest attacks and countermeasures The perfect beginner"s guide for anyone interested in a network security career Security is the IT industry"s hottest topic-and that"s where the hottest

opportunities are, too. Organizations desperately need professionals who can help them safeguard against the most sophisticated attacks ever created-attacks from well-funded global criminal syndicates, and even governments. Today, security begins with defending the organizational network. Network Defense and Countermeasures, Second Edition is today''s most complete, easy-to-understand introduction to modern network attacks and their effective defense. From malware and DDoS attacks to firewalls and encryption, Chuck Easttom blends theoretical

foundations with up-to-the-minute best-practice techniques. Starting with the absolute basics, he discusses crucial topics many security books overlook, including the emergence of network-based espionage and terrorism. If you have a basic understanding of networks, that''s all the background you''ll need to succeed with this book: no math or advanced computer science is required. You''ll find projects, questions, exercises, case studies, links to expert resources, and a complete glossary-all designed to deepen your understanding and prepare you to defend real-world

networks. Chuck Easttom has worked in all aspects of IT, including network administration, software engineering, and IT management. For several years, he has taught IT topics in college and corporate environments, worked as an independent IT consultant, and served as an expert witness in court cases involving computers. He holds 28 industry certifications, including CISSP, ISSAP, Certified Ethical Hacker, Certified Hacking Forensics Investigator, EC Council Certified Security Administrator, and EC Council Certified Instructor. He served as subject matter expert for

CompTIA in its development or revision of four certification tests, including Security+. He recently assisted the EC Council in developing its new advanced cryptography course. Easttom has authored 13 books on topics including computer security and crime. Learn how to n Understand essential network security concepts, challenges, and careers n Learn how modern attacks work n Discover how firewalls, intrusion detection systems (IDS), and virtual private networks (VPNs) combine to protect modern networks n Select the right security technologies for any network

environment n Use encryption to protect information n Harden Windows and Linux systems and keep them patched n Securely configure web browsers to resist attacks n Defend against malware n Define practical, enforceable security policies n Use the "6 Ps" to assess technical and human aspects of system security n Detect and fix system vulnerability n Apply proven security standards and models, including Orange Book, Common Criteria, and Bell-LaPadula n Ensure physical security and prepare for disaster recovery n Know your enemy: learn basic hacking, and see

how to counter it n Understand standard forensic techniques and prepare for investigations of digital crime

Leveraging Big Data for Predictive Analysis

Offense versus defense in real-time computer conflict

Offensive Security Techniques for Network Defense

Guide to Network Defense and Countermeasures

Adversarial Tradecraft in Cybersecurity

How to take over any company in the world

Drawing upon years of practical experience and using numerous examples and illustrative case

studies, Threat Forecasting: Leveraging Big Data for Predictive Analysis discusses important topics, including the danger of using historic data as the basis for predicting future breaches, how to use security intelligence as a tool to develop threat forecasting techniques, and how to use threat data visualization techniques and threat simulation tools. Readers will gain valuable security insights into unstructured big data, along with tactics on how to use the data to their advantage to reduce risk. Presents case studies and actual data to demonstrate

threat data visualization techniques and threat simulation tools Explores the usage of kill chain modelling to inform actionable security intelligence Demonstrates a methodology that can be used to create a full threat forecast analysis for enterprise networks of any size

Social engineering attacks target the weakest link in an organization's security human beings. Everyone knows these attacks are effective, and everyone knows they are on the rise. Now, Social Engineering Penetration Testing gives you the practical methodology and

everything you need to plan and execute a social engineering penetration test and assessment. You will gain fascinating insights into how social engineering techniques including email phishing, telephone pretexting, and physical vectors can be used to elicit information or manipulate individuals into performing actions that may aid in an attack. Using the book's easy-to-understand models and examples, you will have a much better understanding of how best to defend against these attacks. The authors of Social Engineering Penetration Testing

show you hands-on techniques they have used at RandomStorm to provide clients with valuable results that make a real difference to the security of their businesses. You will learn about the differences between social engineering pen tests lasting anywhere from a few days to several months. The book shows you how to use widely available open-source tools to conduct your pen tests, then walks you through the practical steps to improve defense measures in response to test results. Understand how to plan and execute an effective social engineering assessment

Learn how to configure and use the open-source tools available for the social engineer Identify parts of an assessment that will most benefit time-critical engagements Learn how to design target scenarios, create plausible attack situations, and support various attack vectors with technology Create an assessment report, then improve defense measures in response to test results Implementing Cisco IOS Network Security (IINS) is a Cisco-authorized, self-paced learning tool for CCNA® Security foundation learning. This book provides you with the

knowledge needed to secure Cisco® routers and switches and their associated networks. By reading this book, you will gain a thorough understanding of how to troubleshoot and monitor network devices to maintain integrity, confidentiality, and availability of data and devices, as well as the technologies that Cisco uses in its security infrastructure. This book focuses on the necessity of a comprehensive security policy and how it affects the posture of the network. You will learn how to perform basic tasks to secure a small branch type office

network using Cisco IOS® security features available through the Cisco Router and Security Device Manager (SDM) web-based graphical user interface (GUI) and through the command-line interface (CLI) on Cisco routers and switches. The author also provides, when appropriate, parallels with Cisco ASA appliances. Whether you are preparing for CCNA Security certification or simply want to gain a better understanding of Cisco IOS security fundamentals, you will benefit from the information provided in this book. Implementing Cisco IOS Network Security (IINS) is

part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. Develop a comprehensive network security policy to counter threats against information security Configure routers on the network perimeter with Cisco IOS Software security features

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

professionals understand technology implementations and prepare for the Cisco Career Certifications examinations.

Exploit the secrets of Metasploit to master the art of penetration testing. About This Book Discover techniques to integrate Metasploit with the industry's leading tools Carry out penetration testing in highly-secured environments with Metasploit and acquire skills to build your defense against organized and complex attacks Using the Metasploit framework, develop exploits and generate modules for a variety of real-

world scenarios Who This Book Is For This course is for penetration testers, ethical hackers, and security professionals who'd like to master the Metasploit framework and explore approaches to carrying out advanced penetration testing to build highly secure networks. Some familiarity with networking and security concepts is expected, although no familiarity of Metasploit is required. What You Will Learn Get to know the absolute basics of the Metasploit framework so you have a strong foundation for advanced attacks Integrate

and use various supporting tools to make Metasploit even more powerful and precise Test services such as databases, SCADA, and many more Attack the client side with highly advanced techniques Test mobile and tablet devices with Metasploit Understand how to Customize Metasploit modules and modify existing exploits Write simple yet powerful Metasploit automation scripts Explore steps involved in post-exploitation on Android and mobile platforms In Detail Metasploit is a popular penetration testing framework that has one of the largest

exploit databases around. This book will show you exactly how to prepare yourself against the attacks you will face every day by simulating real-world possibilities. This learning path will begin by introducing you to Metasploit and its functionalities. You will learn how to set up and configure Metasploit on various platforms to create a virtual test environment. You will also get your hands on various tools and components and get hands-on experience with carrying out client-side attacks. In the next part of this learning path, you'll develop the ability to perform

testing on various services such as SCADA, databases, IoT, mobile, tablets, and many more services. After this training, we jump into real-world sophisticated scenarios where performing penetration tests are a challenge. With real-life case studies, we take you on a journey through client-side attacks using Metasploit and various scripts built on the Metasploit framework. The final instalment of your learning journey will be covered through a bootcamp approach. You will be able to bring together the learning together and speed up and integrate Metasploit with

leading industry tools for penetration testing. You'll finish by working on challenges based on user's preparation and work towards solving the challenge. The course provides you with highly practical content explaining Metasploit from the following Packt books: Metasploit for Beginners Mastering Metasploit, Second Edition Metasploit Bootcamp Style and approach This pragmatic learning path is packed with start-to-end instructions from getting started with Metasploit to effectively building new things and solving real-world examples. All the key

concepts are explained with the help of examples and demonstrations that will help you understand everything to use this essential IT power tool.
Advanced Penetration Testing for Highly-Secured Environments
Cyber Security
Red Team Testing
Take your penetration testing and IT security skills to a whole new level with the secrets of Metasploit, 3rd Edition
Threat Forecasting
Hacking with Kali Linux
Provides information on analyzing wireless networks through wardriving and

penetration testing.
Hands-On Ethical Hacking and Network Defense, Second Edition provides an in-depth understanding of how to effectively protect computer networks. This book describes the tools and penetration testing methodologies used by ethical hackers and provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber attacks. Readers are provided with updated computer security resources that describe new vulnerabilities and innovative methods to protect networks. Also included is a thorough update of federal and state computer crime laws, as

well as changes in penalties for illegal computer hacking. With cyber-terrorism and corporate espionage threatening the fiber of our world, the need for trained network security professionals continues to grow. Hands-On Ethical Hacking and Network Defense, Second Edition provides a structured knowledge base to prepare readers to be security professionals who understand how to protect a network by using the skills and tools of an ethical hacker. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
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.

Master the art of detecting and averting advanced network security attacks and techniques About This Book Deep dive into the advanced network security attacks and techniques by leveraging tools such as Kali Linux 2, MetaSploit, Nmap, and Wireshark Become an expert in cracking WiFi passwords, penetrating anti-virus networks, sniffing the network, and USB hacks This step-by-step guide shows you how to confidently and quickly detect vulnerabilities for your network before the hacker does Who This Book Is For This book is for network security professionals, cyber security

professionals, and Pentesters who are well versed with fundamentals of network security and now want to master it. So whether you're a cyber security professional, hobbyist, business manager, or student aspiring to becoming an ethical hacker or just want to learn more about the cyber security aspect of the IT industry, then this book is definitely for you. What You Will Learn Use SET to clone webpages including the login page Understand the concept of Wi-Fi cracking and use PCAP file to obtain passwords Attack using a USB as payload injector Familiarize yourself with the process of trojan attacks Use Shodan to identify honeypots, rogue access points, vulnerable

webcams, and other exploits found in the database Explore various tools for wireless penetration testing and auditing Create an evil twin to intercept network traffic Identify human patterns in networks attacks In Detail Computer networks are increasing at an exponential rate and the most challenging factor organisations are currently facing is network security. Breaching a network is not considered an ingenious effort anymore, so it is very important to gain expertise in securing your network. The book begins by showing you how to identify malicious network behaviour and improve your wireless security. We will teach you what network sniffing is, the various tools

associated with it, and how to scan for vulnerable wireless networks. Then we'll show you how attackers hide the payloads and bypass the victim's antivirus. Furthermore, we'll teach you how to spoof IP / MAC address and perform an SQL injection attack and prevent it on your website. We will create an evil twin and demonstrate how to intercept network traffic. Later, you will get familiar with Shodan and Intrusion Detection and will explore the features and tools associated with it. Toward the end, we cover tools such as Yardstick, Ubertooth, Wifi Pineapple, and Alfa used for wireless penetration testing and auditing. This book will show the tools and platform to ethically

hack your own network whether it is for your business or for your personal home Wi-Fi. Style and approach This mastering-level guide is for all the security professionals who are eagerly waiting to master network security skills and protecting their organization with ease. It contains practical scenarios on various network security attacks and will teach you how to avert these attacks.

A Beginner's Guide to Learning All the Basic of Kali Linux and Cybersecurity. Includes Network Defense Strategies, Penetration Testing and Hacking Tools for Computer

Infrastructure security with Red Team and Blue Team tactics

Ethical Hacking

Hacking the World's Most Secure Networks

Network Defense and Countermeasures

Social Engineering Penetration Testing

How do I secure my computer? What is malware and how do I get rid of it? Do I only need to worry about Phishing attacks via email? What if my personal email account, bank account, or other accounts were compromised? Sounds familiar? Keep reading... Cybersecurity has changed significantly in the past decade, we've moved away from the days when basic virus protection and security controls were sufficient to

deter threats, to the need for advanced security analytics tools to prevent advanced persistent threats (APTs) and tackle malicious insiders. This book includes: Hacking with Kali Linux: A Beginner's Guide to Learn Penetration Testing to Protect Your Family and Business from Cyber Attacks Building a Home Security System for Wireless Network Security Here's a sneak peek of what you'll learn with this book: What is hacking The importance of cybersecurity How malware and cyber-attacks operate How to install Kali Linux on a virtual box How to scan networks VPNs & Firewalls An

introduction to Digital Signatures and Cryptography and much more... Ethical Hacking: A Beginner's Guide to Computer and Wireless Networks Defense Strategies, Penetration Testing and Information Security Risk Assessment Throughout these pages, you will learn: Roles and responsibilities of an Ethical Hacker Hacking as a career Making money freelance Most common security tools The three ways to scan your system The seven proven penetration testing strategies and much more... Even if you aren't a security expert, there are a few basic steps you can take to secure your computer.

Arm yourself with all this knowledge! Scroll up and click the BUY NOW BUTTON!
Master cutting-edge techniques and countermeasures to protect your organization from live hackers. Learn how to harness cyber deception in your operations to gain an edge over the competition. Key FeaturesGain an advantage against live hackers in a competition or real computing environmentUnderstand advanced red team and blue team techniques with code examplesLearn to battle in short-term memory, whether remaining unseen (red teams) or monitoring

an attacker's traffic (blue teams)Book Description Little has been written about what to do when live hackers are on your system and running amok. Even experienced hackers tend to choke up when they realize the network defender has caught them and is zoning in on their implants in real time. This book will provide tips and tricks all along the kill chain of an attack, showing where hackers can have the upper hand in a live conflict and how defenders can outsmart them in this adversarial game of computer cat and mouse. This book contains two subsections in each chapter, specifically focusing on the

offensive and defensive teams. It begins by introducing you to adversarial operations and principles of computer conflict where you will explore the core principles of deception, humanity, economy, and more about human-on-human conflicts. Additionally, you will understand everything from planning to setting up infrastructure and tooling that both sides should have in place. Throughout this book, you will learn how to gain an advantage over opponents by disappearing from what they can detect. You will further understand how to blend in, uncover other actors' motivations and means, and learn

to tamper with them to hinder their ability to detect your presence. Finally, you will learn how to gain an advantage through advanced research and thoughtfully concluding an operation. By the end of this book, you will have achieved a solid understanding of cyberattacks from both an attacker's and a defender's perspective. What you will learnUnderstand how to implement process injection and how to detect itTurn the tables on the offense with active defenseDisappear on the defender's system, by tampering with defensive sensorsUpskill in using deception with your

backdoors and countermeasures including honeypotsKick someone else from a computer you are on and gain the upper handAdopt a language agnostic approach to become familiar with techniques that can be applied to both the red and blue teamsPrepare yourself for real-time cybersecurity conflict by using some of the best techniques currently in the industryWho this book is for Pentesters to red teamers, security operations center analysts to incident responders, attackers, defenders, general hackers, advanced computer users, and security engineers will benefit from this book. Participants in

purple teaming or adversarial simulations will also learn a lot from its practical examples of processes for gaining an advantage over the opposing team. Basic knowledge of Python, Go, Bash, PowerShell, system administration as well as knowledge of incident response in Linux and prior exposure to any kind of cybersecurity knowledge, penetration testing, and ethical hacking basics will help you follow along.

Provides a solid foundation in network security fundamentals with an emphasis on intrusion detection, and prepares the reader for the second exam, Network

Defense and Countermeasures, in the Security Certified Network Professional (SCNP) Certification. “Think like our enemy! is a directive straight from Sun Tzu’s The Art of War. It is this idea, predating computing by millennia, that is at the core of Red Team Testing. The methodology behind red teaming takes the shackles off of security consultants and pen testers, allowing them to truly test a company’s physical, electronic, and computer security. Chris Nickerson details how red team testing provides real world results that can evaluate and drive out business risk in this new age of threats. Security professionals will

learn techniques and technologies used by advanced hackers, including how to conduct social. engineering, lock picking, phishing, application, wireless and several more dangerous blended threats. Anyone involved in testing and auditing a company's security must know how where their security is and how to optimize it for today's threats. This book and methodology does just that. Teaches you how to think like a hacker, so that you see security strengths and weaknesses as they truly are Identifies business trick using hacker techniques and tactics like social engineering and blend attacks

Provides a methodology for red team testing, including intelligence gathering, planning the attack, and post-compromise reporting
Mastering Metasploit,
Kali Linux Network Scanning Cookbook
A Practical Guide to Hacking, Wireless Network, Penetration Testing and Network Defense
Applied Network Security
WarDriving and Wireless Penetration Testing
Hands-On Ethical Hacking and Network Defense
Penetration testers simulate cyber attacks to find security weaknesses in networks, operating systems, and applications. Information security

experts worldwide use penetration techniques to evaluate enterprise defenses. In Penetration Testing, security expert, researcher, and trainer Georgia Weidman introduces you to the core skills and techniques that every pentester needs. Using a virtual machine–based lab that includes Kali Linux and vulnerable operating systems, you'll run through a series of practical lessons with tools like Wireshark, Nmap, and Burp Suite. As you follow along with the labs and launch attacks, you'll experience the key stages of an actual assessment—including information gathering, finding exploitable vulnerabilities, gaining access to systems, post exploitation, and more. Learn how to: –Crack passwords and wireless network keys with brute-forcing and wordlists –Test web

applications for vulnerabilities –Use the Metasploit Framework to launch exploits and write your own Metasploit modules –Automate social-engineering attacks –Bypass antivirus software –Turn access to one machine into total control of the enterprise in the post exploitation phase You'll even explore writing your own exploits. Then it's on to mobile hacking—Weidman's particular area of research—with her tool, the Smartphone Pentest Framework. With its collection of hands-on lessons that cover key tools and strategies, Penetration Testing is the introduction that every aspiring hacker needs.

Discover the next level of network defense with the Metasploit framework Key Features Gain the skills to carry out penetration testing in complex and highly-secured environments Become

a master using the Metasploit framework, develop exploits, and generate modules for a variety of real-world scenarios Get this completely updated edition with new useful methods and techniques to make your network robust and resilient Book Description We start by reminding you about the basic functionalities of Metasploit and its use in the most traditional ways. You'll get to know about the basics of programming Metasploit modules as a refresher and then dive into carrying out exploitation as well building and porting exploits of various kinds in Metasploit. In the next section, you'll develop the ability to perform testing on various services such as databases, Cloud environment, IoT, mobile, tablets, and similar more services. After this training, we jump into real-world

sophisticated scenarios where performing penetration tests are a challenge. With real-life case studies, we take you on a journey through client-side attacks using Metasploit and various scripts built on the Metasploit framework. By the end of the book, you will be trained specifically on time-saving techniques using Metasploit. What you will learn Develop advanced and sophisticated auxiliary modules Port exploits from PERL, Python, and many more programming languages Test services such as databases, SCADA, and many more Attack the client side with highly advanced techniques Test mobile and tablet devices with Metasploit Bypass modern protections such as an AntiVirus and IDS with Metasploit Simulate attacks on web servers and systems with Armitage GUI Script

attacks in Armitage using CORTANA scripting Who this book is for This book is a hands-on guide to penetration testing using Metasploit and covers its complete development. It shows a number of techniques and methodologies that will help you master the Metasploit framework and explore approaches to carrying out advanced penetration testing in highly secured environments.

Do you have a big interest in computers and how they work?Are you interested in learning how to become a hacker?Would you like to learn all of this in a safe and secure manner that can make life easier? If your answer is yes, then look no further. This book will take you down that road! "Computer Networking - All in One " Includes the 4 best computer guides of recent years: Computer Networking First-Step (Book

1)An Introductory Guide to Understanding Wireless and Cloud Technology, Basic Communications Services and Network Security for Beginners Here is a summarized version of all the key points which have been mentioned in this book: Different aspects of wireless networks, their applications, and importance A brief introduction to the world of internet Ways in which you can deal with the common security threats and troubleshooting your Wi-Fi connection Strategies to secure your network from all types of breaches Some common types of wireless networks And Much More... Computer Networking First-Step (Book 2)A Beginner's Guide to Understanding Computer Architecture and Mastering Communications System Including Cisco, CCNA, CCENT, and the OSI Model Some of

the topics that we are going to explain will include: A look at some of the different types of certifications that you can use when it is time to handle this process and gain a deep understanding of computer networking. A look at some of the basics of the OSI method, and how we are able to use this for our own needs as well. A discussion on why network security is so important, especially when you are working with a rather large network in the first place. And Much More.. Hacking For Beginners A Step-By-Step Guide to Learn the Concept of Ethical Hacking; How to Use the Essential Hacking Command-Line, Penetration Testing and Basic Security for Your First Hack The book covers the following topics: The essentials of hacking. The role of programming and the various programming languages

that play a crucial role in hacking have been appreciably examined, particularly Python. Protection of oneself while undertaking a hacking routine has also been given significant consideration. And Much More... Hacking with Kali Linux A Beginner's Guide to Learning All the Basics of Kali Linux and Cyber Security: Includes Network Defense Strategies, Penetration Testing, and Hacking Tools for Computer. Additionally, you can expect the following from this book: Introduction to Kali Linux Kali Tools Penetration Testing The basics of cybersecurity Wireless network hacking Analyzing and managing networks And Much More... "Computer Networking - All in One" contains all the knowledge you need to achieve your goals in the computer world. All you have to do is scroll up and click on

the Buy Now button!
55% OFF for bookstores! What if my personal email account, bank account, or other accounts were compromised? Your customers never stop to use this book!
Penetration Testing and Network Defense
This Book Includes: Hacking with Kali Linux, Ethical Hacking. Learn How to Manage Cyber Risks Using Defense Strategies and Penetration Testing for Information Systems Security Improving Your Penetration Testing Skills
Computer Networking
Penetration Testing For Dummies
Principles and Practices
Over 100 practical recipes that leverage custom scripts and integrated tools in Kali Linux to help you effectively master network

scanning About This Book Learn the fundamentals behind commonly used scanning techniques Deploy powerful scanning tools that are integrated into the Kali Linux testing platform The practical recipes will help you automate menial tasks and build your own script library Who This Book Is For This book is for information security professionals and casual security enthusiasts alike. It provides foundational principles if you're a novice, but will also introduce scripting techniques and in-depth analysis if you're more advanced. Whether you are brand new to Kali Linux or a seasoned veteran, this book will help you both understand and ultimately master many of the most powerful and useful scanning techniques in the industry. It is assumed that you have some basic

security testing experience. What You Will Learn Develop a network-testing environment to test scanning tools and techniques Understand the principles of network-scanning tools by building scripts and tools Identify distinct vulnerabilities in web apps and remote services and learn how they are exploited Perform comprehensive scans to identify listening on TCP and UDP sockets Get started with different Kali desktop environments--KDE, MATE, LXDE, and Xfce Use Sparta for information gathering, port scanning, fingerprinting, vulnerability scanning, and more Evaluate DoS threats and learn how common DoS attacks are performed Learn how to use Burp Suite to evaluate web applications In Detail With the ever-increasing amount of data flowing in today's

world, information security has become vital to any application. This is where Kali Linux comes in. Kali Linux focuses mainly on security auditing and penetration testing. This step-by-step cookbook on network scanning trains you in important scanning concepts based on version 2016.2. It will enable you to conquer any network environment through a range of network scanning techniques and will also equip you to script your very own tools. Starting with the fundamentals of installing and managing Kali Linux, this book will help you map your target with a wide range of network scanning tasks, including discovery, port scanning, fingerprinting, and more. You will learn how to utilize the arsenal of tools available in Kali Linux to conquer any network environment.

The book offers expanded coverage of the popular Burp Suite and has new and updated scripts for automating scanning and target exploitation. You will also be shown how to identify remote services, how to assess security risks, and how various attacks are performed. You will cover the latest features of Kali Linux 2016.2, which includes the enhanced Sparta tool and many other exciting updates. This immersive guide will also encourage the creation of personally scripted tools and the skills required to create them. Style and approach This step-by-step guide is full of recipes that will help you use integrated scanning tools in Kali Linux and develop custom scripts to make new and unique tools of your own.

The practical guide to simulating,

detecting, and responding to network attacks Create step-by-step testing plans Learn to perform social engineering and host reconnaissance Evaluate session hijacking methods Exploit web server vulnerabilities Detect attempts to breach database security Use password crackers to obtain access information Circumvent Intrusion Prevention Systems (IPS) and firewall protections and disrupt the service of routers and switches Scan and penetrate wireless networks Understand the inner workings of Trojan Horses, viruses, and other backdoor applications Test UNIX, Microsoft, and Novell servers for vulnerabilities Learn the root cause of buffer overflows and how to prevent them Perform and prevent Denial of Service attacks Penetration testing is a growing field but there has yet to

be a definitive resource that instructs ethical hackers on how to perform a penetration test with the ethics and responsibilities of testing in mind. Penetration Testing and Network Defense offers detailed steps on how to emulate an outside attacker in order to assess the security of a network. Unlike other books on hacking, this book is specifically geared towards penetration testing. It includes important information about liability issues and ethics as well as procedures and documentation. Using popular open-source and commercial applications, the book shows you how to perform a penetration test on an organization's network, from creating a test plan to performing social engineering and host reconnaissance to performing simulated attacks on both wired and

wireless networks. Penetration Testing and Network Defense also goes a step further than other books on hacking, as it demonstrates how to detect an attack on a live network. By detailing the method of an attack and how to spot an attack on your network, this book better prepares you to guard against hackers. You will learn how to configure, record, and thwart these attacks and how to harden a system to protect it against future internal and external attacks. Full of real-world examples and step-by-step procedures, this book is both an enjoyable read and full of practical advice that will help you assess network security and develop a plan for locking down sensitive data and company resources. "This book goes to great lengths to explain the various testing approaches that are used

today and gives excellent insight into how a responsible penetration testing specialist executes his trade." -Bruce Murphy, Vice President, World Wide Security Services, Cisco Systems

Seven Deadliest Network Attacks

Hands-On Ethical Hacking and Network Defense, Loose-leaf Version

Implementing Cisco IOS Network Security (IINS)

Strengthen your defense against web attacks with Kali Linux and Metasploit

Metasploit Revealed: Secrets of the Expert Pentester

A Hands-On Introduction to Hacking