

# Advanced Penetration Testing Ec Council

Right here, we have countless books **Advanced Penetration Testing Ec Council** and collections to check out. We additionally come up with the money for variant types and also type of the books to browse. The up to standard book, fiction, history, novel, scientific research, as well as various further sorts of books are readily clear here.

As this Advanced Penetration Testing Ec Council, it ends going on creature one of the favored books Advanced Penetration Testing Ec Council collections that we have. This is why you remain in the best website to look the unbelievable books to have.

*Advanced Penetration Testing Ec Council*

2022-01-18

## MANN LAUREN

**Mastering Kali Linux for Advanced Penetration Testing - Second Edition** Pearson IT Certification

The Security Analyst Series from EC-Council | Press is comprised of five books covering a broad base of topics in advanced penetration testing and information security analysis. The content of this program is designed to expose the reader to groundbreaking methodologies in conducting thorough information security analysis, as well as advanced penetration testing techniques. Armed with the knowledge from the Security Analyst series, along with proper experience, readers will be able to perform the intensive assessments required to effectively identify and mitigate risks to the security of the organization's infrastructure. Penetration Testing: Network and Perimeter Testing. Network and Perimeter Testing coverage includes firewall and ids penetration testing as well as penetration testing of laptops, PDA's, cellphones, e-mail, and security patches. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Advanced Penetrating Testing** Cengage Learning

Evade antiviruses and bypass firewalls with the most widely used penetration testing frameworks Key FeaturesGain insights into the latest antivirus evasion techniquesSet up a complete pentesting environment using Metasploit and virtual machinesDiscover a variety of tools and techniques that can be used with Kali LinuxBook 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-GutierrezMetasploit Penetration Testing Cookbook - Third Edition by Abhinav Singh , Monika Agarwal, et alWhat you will learnBuild and analyze Metasploit modules in RubyIntegrate Metasploit with other penetration testing toolsUse server-side attacks to detect vulnerabilities in web servers and their applicationsExplore automated attacks such as fuzzing web applicationsIdentify the difference between hacking a web application and network hackingDeploy Metasploit with the Penetration Testing Execution Standard (PTES)Use MSFvenom to generate payloads and backdoor files, and create shellcodeWho 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.

**The Official CompTIA Security+ Self-Paced Study Guide (Exam SY0-601)** Packt Publishing Ltd

Unveil the clandestine world of cybersecurity with "Advanced Penetrating Testing," a compelling primer that takes you deep into the core of digital protection tactics. This book is your passport to mastering the art of securing digital landscapes, from the trenches of ethical hacking to the front lines of vulnerability research. Go beyond the fundamentals to improve your penetration testing skills. Explore sophisticated scanning techniques, vulnerability research, and exploit creation. Navigate the difficulties of wireless networks, online applications, and developing technologies while uncovering flaws that others may ignore. Key Features: Advanced Techniques in Depth Comprehensive Emerging Technology Coverage Real-life Case Studies Hacking Ethics and Responsibility What You Will Discover: Learn Advanced Exploitation Methods Wireless and Mobile Security Expertise Best Cloud Security Practices APT Detection and Incident Response Mastery of Web Application Security Tactics for Physical Security and Social Engineering Mobile Application Security Issues Hacking with Integrity Recommended Practices Stay Ahead of the Curve With "Advanced Penetrating Testing," you may unleash your potential in the field of ethical hacking. Stay ahead of cyber dangers by learning sophisticated tactics and becoming an invaluable digital landscape defender. Don't pass up this chance to hone your abilities and stay at the forefront of cybersecurity. Get your copy of "Advanced Penetration Testing" today and learn the secrets of advanced ethical hacking. The digital frontier awaits, and you hold the key to secure it with this book. Order Now to Protect the Digital Realm!

*Penetration Testing: Network & Perimeter Testing* Packt Publishing Ltd

Achieve the gold standard in penetration testing with Kali using this masterpiece, now in its fourth edition Key Features Rely on the most updated version of Kali to formulate your pentesting strategies Test your corporate network against threats Explore new cutting-edge wireless penetration tools and features Book Description Kali Linux is a comprehensive penetration testing platform with advanced tools to identify, detect, and exploit the vulnerabilities uncovered in the target network environment. With Kali Linux, you can apply the appropriate testing methodology with defined business objectives and a scheduled test plan, resulting in successful penetration testing project engagement. This fourth edition of Kali Linux 2018: Assuring Security by Penetration Testing starts with the installation of Kali Linux. You will be able to create a full test environment to safely practice scanning, vulnerability assessment, and exploitation. You'll explore the essentials of penetration testing by collecting relevant data on the target

network with the use of several footprinting and discovery tools. As you make your way through the chapters, you'll focus on specific hosts and services via scanning and run vulnerability scans to discover various risks and threats within the target, which can then be exploited. In the concluding chapters, you'll apply techniques to exploit target systems in order to gain access and find a way to maintain that access. You'll also discover techniques and tools for assessing and attacking devices that are not physically connected to the network, including wireless networks. By the end of this book, you will be able to use NetHunter, the mobile version of Kali Linux, and write a detailed report based on your findings. What you will learn Conduct the initial stages of a penetration test and understand its scope Perform reconnaissance and enumeration of target networks Obtain and crack passwords Use Kali Linux NetHunter to conduct wireless penetration testing Create proper penetration testing reports Understand the PCI-DSS framework and tools used to carry out segmentation scans and penetration testing Carry out wireless auditing assessments and penetration testing Understand how a social engineering attack such as phishing works Who this book is for This fourth edition of Kali Linux 2018: Assuring Security by Penetration Testing is for pentesters, ethical hackers, and IT security professionals with basic knowledge of Unix/Linux operating systems. Prior knowledge of information security will help you understand the concepts in this book

**Penetration Testing** Independently Published

The CEH is one of the premium certifications for those looking to get into penetration testing as well as those in the security and IT fields looking to improve their skills. With the CEHv10 EC Council has raised the bar and added new material and objectives that reflect the changing nature of the security industry. In this book there are 19 chapters covering penetration testing from the ground up. Included is a lot of hands on examples that you can practice with both Kali Linux and with the Microsoft Windows platform. In addition to the book the author will be making a free question bank available online that will be updated with the latest questions and information to reflect the inevitable adjustments that will appear as the exam evolves through its lifecycle. Get your journey started today!!!

**Penetration Testing For Dummies** Packt Publishing Ltd

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 of 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

**Kali Linux Web Penetration Testing Cookbook** Independently Published

This book delves deeper into analyzing the security of various AWS services and shows techniques and tactics used by an attacker to breach an AWS environment. This is the third part of the book series "Red Team: An attack paradigm".

**The Ultimate Kali Linux Book** Elsevier Inc. Chapters

The complete guide to today's hard-to-defend chained attacks: performing them and preventing them Nowadays, it's rare for malicious hackers to rely on just one exploit or tool; instead, they use "chained" exploits that integrate multiple forms of attack to achieve their goals. Chained exploits are far more complex and far more difficult to defend. Few security or hacking books cover them well and most don't cover them at all. Now there's a book that brings together start-to-finish information about today's most widespread chained exploits—both how to perform them and how to prevent



them. Chained Exploits demonstrates this advanced hacking attack technique through detailed examples that reflect real-world attack strategies, use today's most common attack tools, and focus on actual high-value targets, including credit card and healthcare data. Relentlessly thorough and realistic, this book covers the full spectrum of attack avenues, from wireless networks to physical access and social engineering. Writing for security, network, and other IT professionals, the authors take you through each attack, one step at a time, and then introduce today's most effective countermeasures—both technical and human. Coverage includes: Constructing convincing new phishing attacks Discovering which sites other Web users are visiting Wreaking havoc on IT security via wireless networks Disrupting competitors' Web sites Performing—and preventing—corporate espionage Destroying secure files Gaining access to private healthcare records Attacking the viewers of social networking pages Creating entirely new exploits and more Andrew Whitaker, Director of Enterprise InfoSec and Networking for Training Camp, has been featured in The Wall Street Journal and BusinessWeek. He coauthored Penetration Testing and Network Defense. Andrew was a winner of EC Council's Instructor of Excellence Award. Keatron Evans is President and Chief Security Consultant of Blink Digital Security, LLC, a trainer for Training Camp, and winner of EC Council's Instructor of Excellence Award. Jack B. Voth specializes in penetration testing, vulnerability assessment, and perimeter security. He co-owns The Client Server, Inc., and teaches for Training Camp throughout the United States and abroad. [informit.com/aw](http://informit.com/aw) Cover photograph © Corbis / Jupiter Images

*Penetration Testing: Network & Perimeter Testing* Packt Publishing Ltd

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.

*Penetration Testing: Network Threat Testing* Cengage Learning

Master key approaches used by real attackers to perform advanced pentesting in tightly secured infrastructure, cloud and virtualized environments, and devices, and learn the latest phishing and hacking techniques Key Features Explore red teaming and play the hackers game to proactively defend your infrastructure Use OSINT, Google dorks, Nmap, recon-nag, and other tools for passive and active reconnaissance Learn about the latest email, Wi-Fi, and mobile-based phishing techniques Book Description Remote working has given hackers plenty of opportunities as more confidential information is shared over the internet than ever before. In this new edition of Mastering Kali Linux for Advanced Penetration Testing, you'll learn an offensive approach to enhance your penetration testing skills by testing the sophisticated tactics employed by real hackers. You'll go through laboratory integration to cloud services so that you learn another dimension of exploitation that is typically forgotten during a penetration test. You'll explore different ways of installing and running Kali Linux in a VM and containerized environment and deploying vulnerable cloud services on AWS using containers, exploiting misconfigured S3 buckets to gain access to EC2 instances. This book delves into passive and active reconnaissance, from obtaining user information to large-scale port scanning. Building on this, different vulnerability assessments are explored, including threat modeling. See how hackers use lateral movement, privilege escalation, and command and control (C2) on compromised systems. By the end of this book, you'll have explored many advanced pentesting approaches and hacking techniques employed on networks, IoT, embedded peripheral devices, and radio frequencies. What you will learn Exploit networks using wired/wireless networks, cloud infrastructure, and web services Learn embedded peripheral device, Bluetooth, RFID, and IoT hacking techniques Master the art of bypassing traditional antivirus and endpoint detection and response (EDR) tools Test for data system exploits using Metasploit, PowerShell Empire, and CrackMapExec Perform cloud security vulnerability assessment and exploitation of security misconfigurations Use bettercap and Wireshark for network sniffing Implement complex attacks with Metasploit, Burp Suite, and OWASP ZAP Who this book is for This fourth edition is for security analysts, pentesters, ethical hackers, red team operators, and security consultants wanting to learn and optimize infrastructure/application/cloud security using advanced Kali Linux features. Prior penetration testing experience and basic knowledge of ethical hacking will help you make the most of this book.

*Penetration Testing: Communication Media Testing* Packt Publishing Ltd

The most comprehensive guide to ethical hacking and penetration testing with Kali Linux, from beginner to professional Key Features Learn to compromise enterprise networks with Kali Linux Gain comprehensive insights into security concepts using advanced real-life hacker techniques Use Kali Linux in the same way ethical hackers and penetration testers do to gain control of your environment Purchase of the print or Kindle book includes a free eBook in the PDF format Book Description Kali Linux is the most popular and advanced penetration testing Linux distribution within the

cybersecurity industry. Using Kali Linux, a cybersecurity professional will be able to discover and exploit various vulnerabilities and perform advanced penetration testing on both enterprise wired and wireless networks. This book is a comprehensive guide for those who are new to Kali Linux and penetration testing that will have you up to speed in no time. Using real-world scenarios, you'll understand how to set up a lab and explore core penetration testing concepts. Throughout this book, you'll focus on information gathering and even discover different vulnerability assessment tools bundled in Kali Linux. You'll learn to discover target systems on a network, identify security flaws on devices, exploit security weaknesses and gain access to networks, set up Command and Control (C2) operations, and perform web application penetration testing. In this updated second edition, you'll be able to compromise Active Directory and exploit enterprise networks. Finally, this book covers best practices for performing complex web penetration testing techniques in a highly secured environment. By the end of this Kali Linux book, you'll have gained the skills to perform advanced penetration testing on enterprise networks using Kali Linux. What you will learn Explore the fundamentals of ethical hacking Understand how to install and configure Kali Linux Perform asset and network discovery techniques Focus on how to perform vulnerability assessments Exploit the trust in Active Directory domain services Perform advanced exploitation with Command and Control (C2) techniques Implement advanced wireless hacking techniques Become well-versed with exploiting vulnerable web applications Who this book is for This pentesting book is for students, trainers, cybersecurity professionals, cyber enthusiasts, network security professionals, ethical hackers, penetration testers, and security engineers. If you do not have any prior knowledge and are looking to become an expert in penetration testing using the Kali Linux operating system (OS), then this book is for you.

*Penetration Testing: Network Threat Testing* Packt Publishing Ltd

The Security Analyst Series from EC-Council | Press is comprised of five books covering a broad base of topics in advanced penetration testing and information security analysis. The content of this program is designed to expose the reader to groundbreaking methodologies in conducting thorough information security analysis, as well as advanced penetration testing techniques. Armed with the knowledge from the Security Analyst series, along with proper experience, readers will be able to perform the intensive assessments required to effectively identify and mitigate risks to the security of the organization's infrastructure. Penetration Testing: Network and Perimeter Testing. Network and Perimeter Testing coverage includes firewall and ids penetration testing as well as penetration testing of laptops, PDA's, cellphones, e-mail, and security patches. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

*Advanced Penetration Testing for Highly-Secured Environments* Packt Publishing Ltd

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

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

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!

*Penetration Testing: Procedures & Methodologies* Packt Publishing Ltd

CompTIA Security+ Study Guide (Exam SY0-601)

[Mastering Kali Linux for Advanced Penetration Testing](#) Independently Published

A practical guide to testing your infrastructure security with Kali Linux, the preferred choice of pentesters and hackers Key Features Employ advanced

pentesting techniques with Kali Linux to build highly secured systems Discover various stealth techniques to remain undetected and defeat modern infrastructures Explore red teaming techniques to exploit secured environment Book Description This book takes you, as a tester or security practitioner, through the reconnaissance, vulnerability assessment, exploitation, privilege escalation, and post-exploitation activities used by pentesters. To start with, you'll use a laboratory environment to validate tools and techniques, along with an application that supports a collaborative approach for pentesting. You'll then progress to passive reconnaissance with open source intelligence and active reconnaissance of the external and internal infrastructure. You'll also focus on how to select, use, customize, and interpret the results from different vulnerability scanners, followed by examining specific routes to the target, which include bypassing physical security and the exfiltration of data using a variety of techniques. You'll discover concepts such as social engineering, attacking wireless networks, web services, and embedded devices. Once you are confident with these topics, you'll learn the practical aspects of attacking user client systems by backdooring with fileless techniques, followed by focusing on the most vulnerable part of the network – directly attacking the end user. By the end of this book, you'll have explored approaches for carrying out advanced pentesting in tightly secured environments, understood pentesting and hacking techniques employed on embedded peripheral devices. What you will learn Configure the most effective Kali Linux tools to test infrastructure security Employ stealth to avoid detection in the infrastructure being tested Recognize when stealth attacks are being used against your infrastructure Exploit networks and data systems using wired and wireless networks as well as web services Identify and download valuable data from target systems Maintain access to compromised systems Use social engineering to compromise the weakest part of the network - the end users Who this book is for This third edition of Mastering Kali Linux for Advanced Penetration Testing is for you if you are a security analyst, pentester, ethical hacker, IT professional, or security consultant wanting to maximize the success of your infrastructure testing using some of the advanced features of Kali Linux. Prior exposure of penetration testing and ethical hacking basics will be helpful in making the most out of this book.

#### **Web Penetration Testing with Kali Linux** BPB Publications

This book gives you the skills you need to use Python for penetration testing, with the help of detailed code examples. This book has been updated for Python 3.6.3 and Kali Linux 2018.1. Key Features Detect and avoid various attack types that put the privacy of a system at risk Leverage Python to build efficient code and eventually build a robust environment Learn about securing wireless applications and information gathering on a web server Book Description This book gives you the skills you need to use Python for penetration testing (pentesting), with the help of detailed code examples. We start by exploring the basics of networking with Python and then proceed to network hacking. Then, you will delve into exploring Python libraries to perform various types of pentesting and ethical hacking techniques. Next, we delve into hacking the application layer, where we start by gathering information from a website. We then move on to concepts related to website hacking—such as parameter tampering, DDoS, XSS, and SQL injection. By reading this book, you will learn different techniques and methodologies that will familiarize you with Python pentesting techniques, how to protect yourself, and how to create automated programs to find the admin console, SQL injection, and XSS attacks. What you will learn The basics of network pentesting including network scanning and sniffing Wireless, wired attacks, and building traps for attack and torrent detection Web server footprinting and web application attacks, including the XSS and SQL injection attack Wireless frames and how to obtain information such as SSID, BSSID, and the channel number from a wireless frame using a Python script The importance of web server signatures, email gathering, and why knowing the server signature is the first step in hacking Who this book is for If you are a Python programmer, a security researcher, or an ethical hacker and are interested in penetration testing with the help of Python, then this book is for you. Even if you are new to the field of ethical hacking, this book can

help you find the vulnerabilities in your system so that you are ready to tackle any kind of attack or intrusion.

#### Advanced Penetration Testing with Kali Linux IPSpecialist

In this chapter, we'll talk about penetration testing and what it is (and isn't!), how it differs from an actual "hacker attack," some of the ways penetration tests are conducted, how they're controlled, and what organizations might look for when they're choosing a company to conduct a penetration test for them. Because this is a chapter and not an entire book, there are a lot of things that I just don't have the space to talk about. What you're about to read is, quite literally, just the tip of the iceberg when it comes to penetration testing. Keep that in mind when you think to yourself: "What about ...?" The answer to your question (whatever it might be) is probably a part of our licensed penetration tester certification course!

#### **Penetration Testing: Security Analysis** Pearson Education

The Security Analyst Series from EC-Council | Press is comprised of five books covering a broad base of topics in advanced penetration testing and information security analysis. The content of this program is designed to expose the reader to groundbreaking methodologies in conducting thorough information security analysis, as well as advanced penetration testing techniques. Armed with the knowledge from the Security Analyst series, along with proper experience, readers will be able to perform the intensive assessments required to effectively identify and mitigate risks to the security of the organization's infrastructure. Penetration Testing: Network and Perimeter Testing. Network and Perimeter Testing coverage includes firewall and ids penetration testing as well as penetration testing of laptops, PDA's, cellphones, e-mail, and security patches. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

#### *Python Penetration Testing Essentials* Packt Publishing Ltd

Master the art of identifying vulnerabilities within the Windows OS and develop the desired solutions for it using Kali Linux. Key Features Identify the vulnerabilities in your system using Kali Linux 2018.02 Discover the art of exploiting Windows kernel drivers Get to know several bypassing techniques to gain control of your Windows environment Book Description Windows has always been the go-to platform for users around the globe to perform administration and ad hoc tasks, in settings that range from small offices to global enterprises, and this massive footprint makes securing Windows a unique challenge. This book will enable you to distinguish yourself to your clients. In this book, you'll learn advanced techniques to attack Windows environments from the indispensable toolkit that is Kali Linux. We'll work through core network hacking concepts and advanced Windows exploitation techniques, such as stack and heap overflows, precision heap spraying, and kernel exploitation, using coding principles that allow you to leverage powerful Python scripts and shellcode. We'll wrap up with post-exploitation strategies that enable you to go deeper and keep your access. Finally, we'll introduce kernel hacking fundamentals and fuzzing testing, so you can discover vulnerabilities and write custom exploits. By the end of this book, you'll be well-versed in identifying vulnerabilities within the Windows OS and developing the desired solutions for them. What you will learn Get to know advanced pen testing techniques with Kali Linux Gain an understanding of Kali Linux tools and methods from behind the scenes See how to use Kali Linux at an advanced level Understand the exploitation of Windows kernel drivers Understand advanced Windows concepts and protections, and how to bypass them using Kali Linux Discover Windows exploitation techniques, such as stack and heap overflows and kernel exploitation, through coding principles Who this book is for This book is for penetration testers, ethical hackers, and individuals breaking into the pentesting role after demonstrating an advanced skill in boot camps. Prior experience with Windows exploitation, Kali Linux, and some Windows debugging tools is necessary