Metasploit The Penetration Testers

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FRANCIS COLON

Metasploit Bootcamp
Apress

Take your penetration testing and IT security skills to a whole new level with the secrets of

MetasploitAbout This Book- 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 resilientWho This Book Is ForThis 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.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- Perform social engineering with Metasploit- Simulate attacks on web servers and systems with Armitage GUI- Script attacks in Armitage using CORTANA scriptingIn DetailMetasploit 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.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 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.By the end of the book, you will be trained specifically on time-saving techniques using Metasploit.Style and approachThis is a step-by-step guide that provides great Metasploit framework methodologies. All the key concepts are explained details with the help of examples and demonstrations that will help you understand everything you need to know about Metasploit. Metasploit Penetration Testing Cookbook Elsevier 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.

Metasploit No Starch Press

The Basics of Hacking and Penetration Testing, Second Edition, serves as an introduction to the steps required to complete a penetration test or perform an ethical

hack from beginning to end. The book teaches students how to properly utilize and interpret the results of the modern-day hacking tools required to complete a penetration test. It provides a simple and clean explanation of how to effectively utilize these tools, along with a four-step methodology for conducting a penetration test or hack, thus equipping students with the know-how required to jump start their careers and gain a better understanding of offensive security. Each chapter contains hands-on examples and exercises that are designed to teach learners how to interpret results and utilize those results in later phases. Tool coverage includes: Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender rootkit. This is complemented by PowerPoint slides for use in class. This book is an ideal resource for security consultants, beginning InfoSec professionals, and students. Each chapter contains hands-on examples and exercises that are designed to teach you how to interpret the results and utilize those results in later phases. Written by an author who works in the field as a Penetration Tester and who teaches Offensive Security, Penetration Testing, and Ethical Hacking, and Exploitation classes at Dakota State University. Utilizes the Kali Linux distribution and focuses on the seminal tools required to complete a penetration test.

Learn Penetration Testing Packt Publishing Ltd Penetration Tester's Open Source Toolkit, Third Edition, discusses the open source tools available to penetration testers, the ways to use them, and the situations in which they apply. Great commercial penetration testing tools can be very expensive and sometimes hard to use or of questionable accuracy. This book helps solve both of these problems. The open source, no-cost penetration testing tools presented do a great job and can be modified by the student for each situation. This edition offers instruction on how and in which situations the penetration tester can best use them. Real-life scenarios support and expand upon explanations throughout. It also presents core technologies for each type of testing and the best tools for the job. The book consists of 10 chapters that covers a wide range of topics such as reconnaissance; scanning and enumeration; client-side attacks and human weaknesses; hacking database services; Web server and Web application testing; enterprise application testing; wireless penetrating testing; and building penetration test labs. The chapters also include case studies where the tools that are discussed are applied. New to this edition: enterprise application testing, client-side attacks and updates on Metasploit and Backtrack. This book is for people who are interested in penetration testing or professionals

engaged in penetration testing. Those working in the areas of database, network, system, or application administration, as well as architects, can gain insights into how penetration testers perform testing in their specific areas of expertise and learn what to expect from a penetration test. This book can also serve as a reference for security or audit professionals. Details current open source penetration testing tools Presents core technologies for each type of testing and the best tools for the job New to this edition: Enterprise application testing, client-side attacks and updates on Metasploit and Backtrack

Metasploit Penetration Testing Cookbook 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 DescriptionKali 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.

Mastering Metasploit No Starch Press

A highly detailed guide to performing powerful attack vectors in many hands-on scenarios and defending significant security flaws in your company's infrastructure Key Features Advanced exploitation techniques to breach modern operating systems and complex network devices Learn about Docker breakouts, Active Directory delegation, and CRON jobs Practical use cases to deliver an intelligent endpoint-protected system Book Description It has always been difficult to gain hands-on experience and a comprehensive understanding of advanced penetration testing techniques and vulnerability assessment and management. This book will be your one-stop solution to compromising complex network devices and modern operating

systems. This book provides you with advanced penetration testing techniques that will help you exploit databases, web and application servers, switches or routers, Docker, VLAN, VoIP, and VPN. With this book, you will explore exploitation abilities such as offensive PowerShell tools and techniques, CI servers, database exploitation, Active Directory delegation, kernel exploits, cron jobs, VLAN hopping, and Docker breakouts. Moving on, this book will not only walk you through managing vulnerabilities, but will also teach you how to ensure endpoint protection. Toward the end of this book, you will also discover post-exploitation tips, tools, and methodologies to help your organization build an intelligent security system. By the end of this book, you will have mastered the skills and methodologies needed to breach infrastructures and provide complete endpoint protection for your system. What you will learn Exposure to advanced infrastructure penetration testing techniques and methodologies Gain hands-on experience of penetration testing in Linux system vulnerabilities and memory exploitation Understand what it takes to break into enterprise networks Learn to secure the configuration management environment and continuous delivery pipeline Gain an understanding of how to

exploit networks and IoT devices Discover real-world, post-exploitation techniques and countermeasures Who this book is for If you are a system administrator, SOC analyst, penetration tester, or a network engineer and want to take your penetration testing skills and security knowledge to the next level, then this book is for you. Some prior experience with penetration testing tools and knowledge of Linux and Windows command-line syntax is beneficial.

Penetration Tester's Open Source Toolkit 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

Mastering Metasploit,
Packt Publishing Ltd

Master the art of penetration testing with Metasploit Framework in 7 days About This Book A fast-paced guide that will quickly enhance your penetration testing skills in just 7 days Carry out penetration testing in complex and highly-secured environments. Learn techniques to Integrate Metasploit with industry's leading tools Who This Book Is For If you are a penetration tester, ethical hacker, or security consultant who quickly wants to master the Metasploit framework and carry out advanced penetration testing in highly secured environments then, this book is for you. What You Will Learn Get hands-on knowledge of Metasploit Perform penetration testing on services like Databases, VOIP and much more 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 The book starts with a hands-on Day 1 chapter, covering the basics of the Metasploit framework and preparing the readers for a self-completion exercise at the end of every chapter. The Day 2 chapter dives deep into the use of scanning and fingerprinting services with Metasploit while helping the readers to modify existing modules according to their needs. Following on from the previous chapter, Day 3 will focus on exploiting various types of service

and client-side exploitation while Day 4 will focus on post-exploitation, and writing quick scripts that helps with gathering the required information from the exploited systems. The Day 5 chapter presents the reader with the techniques involved in scanning and exploiting various services, such as databases, mobile devices, and VOIP. The Day 6 chapter prepares the reader to speed up and integrate Metasploit with leading industry tools for penetration testing. Finally, Day 7 brings in sophisticated attack vectors and challenges based on the user's preparation over the past six days and ends with a Metasploit challenge to solve. Style and approach This book is all about fast and intensive learning. That means we don't waste time in helping readers get started. The new content is basically about filling in with highly-effective examples to build new things, show solving problems in newer and unseen ways, and solve real-world examples.

The Ultimate Kali Linux Book Packt Publishing Ltd

Get started with NMAP, OpenVAS, and Metasploit in this short book and understand how NMAP, OpenVAS, and Metasploit can be integrated with each other for greater flexibility and efficiency. You will begin by working with NMAP and ZENMAP and learning the basic scanning and enumeration process. After getting to know the differences between TCP and UDP scans, you will learn to fine tune your

scans and efficiently use NMAP scripts. This will be followed by an introduction to OpenVAS vulnerability management system. You will then learn to configure OpenVAS and scan for and report vulnerabilities. The next chapter takes you on a detailed tour of Metasploit and its basic commands and configuration. You will then invoke NMAP and OpenVAS scans from Metasploit. Lastly, you will take a look at scanning services with Metasploit and get to know more about Meterpreter, an advanced, dynamically extensible payload that is extended over the network at runtime. The final part of the book concludes by pentesting a system in a real-world scenario, where you will apply the skills you have learnt. What You Will Learn Carry out basic scanning with NMAPInvoke NMAP from Python Use vulnerability scanning and reporting with OpenVAS Master common commands in Metasploit Who This Book Is For Readers new to penetration testing who would like to get a quick start on it.

Mastering Kali Linux for Advanced Penetration Testing Packt Publishing Ltd

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.

Advanced Penetration Testing No Starch Press The Metasploit Framework makes discovering, exploiting, and sharing vulnerabilities quick and relatively painless. But while Metasploit is used by security professionals everywhere, the tool can be hard to grasp for first-time users. Metasploit: The Penetration Tester's Guide fills this gap by teaching you how to harness the Framework and interact with the vibrant community of Metasploit contributors. Once you've built your foundation for penetration testing, you'll learn the Framework's conventions, interfaces, and module system as you launch simulated attacks. You'll move on to advanced penetration testing techniques, including network reconnaissance and enumeration, client-side attacks, wireless attacks, and targeted social-engineering attacks. Learn how to: –Find and exploit unmaintained, misconfigured, and unpatched systems

–Perform reconnaissance and find valuable information about your target –Bypass anti-virus technologies and circumvent security controls –Integrate Nmap, NeXpose, and Nessus with Metasploit to automate discovery –Use the Meterpreter shell to launch further attacks from inside the network –Harness standalone Metasploit utilities, third-party tools, and plug-ins –Learn how to write your own Meterpreter post exploitation modules and scripts You'll even touch on exploit discovery for zero-day research, write a fuzzer, port existing exploits into the Framework, and learn how to cover your tracks. Whether your goal is to secure your own networks or to put someone else's to the test, Metasploit: The Penetration Tester's Guide will take you there and beyond.

Hands-On Web Penetration Testing with Metasploit Elsevier

When it comes to creating powerful and effective hacking tools, Python is the language of choice for most security analysts. But just how does the magic happen? In Black Hat Python, the latest from Justin Seitz (author of the best-selling Gray Hat Python), you'll explore the darker side of Python's capabilities—writing network sniffers, manipulating packets, infecting virtual machines, creating stealthy trojans, and more. You'll learn how to: –Create a trojan command-and-control using GitHub –Detect sandboxing and automate common malware tasks,

like keylogging and screenshotting –Escalate Windows privileges with creative process control –Use offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machine –Extend the popular Burp Suite web-hacking tool –Abuse Windows COM automation to perform a man-in-the-browser attack –Exfiltrate data from a network most sneakily Insider techniques and creative challenges throughout show you how to extend the hacks and how to write your own exploits. When it comes to offensive security, your ability to create powerful tools on the fly is indispensable. Learn how in Black Hat Python. Uses Python 2

Improving Your Penetration Testing Skills

John Wiley & Sons

Get to grips with security assessment, vulnerability exploitation, workload security, and encryption with this guide to ethical hacking and learn to secure your AWS environment Key FeaturesPerform cybersecurity events such as red or blue team activities and functional testingGain an overview and understanding of AWS penetration testing and securityMake the most of your AWS cloud infrastructure by learning about AWS fundamentals and exploring pentesting best practicesBook Description Cloud security has always been treated as the highest priority by AWS while designing a robust cloud infrastructure. AWS has now extended its support to allow users and

security experts to perform penetration tests on its environment. This has not only revealed a number of loopholes and brought vulnerable points in their existing system to the fore, but has also opened up opportunities for organizations to build a secure cloud environment. This book teaches you how to perform penetration tests in a controlled AWS environment. You'll begin by performing security assessments of major AWS resources such as Amazon EC2 instances, Amazon S3, Amazon API Gateway, and AWS Lambda. Throughout the course of this book, you'll also learn about specific tests such as exploiting applications, testing permissions flaws, and discovering weak policies. Moving on, you'll discover how to establish private-cloud access through backdoor Lambda functions. As you advance, you'll explore the no-go areas where users can't make changes due to vendor restrictions and find out how you can avoid being flagged to AWS in these cases. Finally, this book will take you through tips and tricks for securing your cloud environment in a professional way. By the end of this penetration testing book, you'll have become well-versed in a variety of ethical hacking techniques for securing your AWS environment against modern cyber threats. What you will learnSet up your AWS account and get well-versed in various pentesting servicesDelve into a variety of cloud pentesting tools and

methodologiesDiscover how to exploit vulnerabilities in both AWS and applicationsUnderstand the legality of pentesting and learn how to stay in scopeExplore cloud pentesting best practices, tips, and tricksBecome competent at using tools such as Kali Linux, Metasploit, and NmapGet to grips with post-exploitation procedures and find out how to write pentesting reportsWho this book is for If you are a network engineer, system administrator, or system operator looking to secure your AWS environment against external cyberattacks, then this book is for you. Ethical hackers, penetration testers, and security consultants who want to enhance their cloud security skills will also find this book useful. No prior experience in penetration testing is required; however, some understanding of cloud computing or AWS cloud is recommended.

Learn Kali Linux 2019

Packt Publishing Ltd

Sharpen your pentesting skill in a bootcamp About This Book Get practical demonstrations with in-depth explanations of complex security-related problems Familiarize yourself with the most common web vulnerabilities Get step-by-step guidance on managing testing results and reporting Who This Book Is For This book is for IT security enthusiasts and administrators who want to understand penetration testing quickly. What You Will Learn Perform different attacks such as MiTM, and

bypassing SSL encryption 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 Recover lost files, investigate successful hacks, and discover hidden data Write organized and effective penetration testing reports In Detail Penetration Testing Bootcamp delivers practical, learning modules in manageable chunks. Each chapter is delivered in a day, and each day builds your competency in Penetration Testing. This book will begin by taking you through the basics and show you how to set up and maintain the C&C Server. You will also understand how to scan for vulnerabilities and Metasploit, learn how to setup connectivity to a C&C server and maintain that connectivity for your intelligence gathering as well as offsite processing. Using TCPDump filters, you will gain understanding of the sniffing and spoofing traffic. This book will also teach you the importance of clearing up the tracks you leave behind after the penetration test and will show you how to build a report from all the data obtained from the penetration test. In totality, this book will equip you with instructions through rigorous tasks, practical callouts, and assignments to reinforce your understanding of penetration testing. Style

and approach This book is delivered in the form of a 10-day boot camp style book. The day-by-day approach will help you get to know everything about penetration testing, from the use of network reconnaissance tools, to the writing of custom zero-day buffer overflow exploits.

The Basics of Hacking and Penetration Testing Packt Publishing Ltd

A comprehensive guide to Metasploit for beginners that will help you get started with the latest Metasploit 5.0 Framework for exploiting real-world vulnerabilities Key FeaturesPerform pentesting in highly secured environments with Metasploit 5.0Become well-versed with the latest features and improvements in the Metasploit Framework 5.0Analyze, find, exploit, and gain access to different systems by bypassing various defensesBook Description Securing an IT environment can be challenging, however, effective penetration testing and threat identification can make all the difference. This book will help you learn how to use the Metasploit Framework optimally for comprehensive penetration testing. Complete with hands-on tutorials and case studies, this updated second edition will teach you the basics of the Metasploit Framework along with its functionalities. You'll learn how to set up and configure Metasploit on various platforms to create a virtual test environment. Next, you'll

get hands-on with the essential tools. As you progress, you'll learn how to find weaknesses in the target system and hunt for vulnerabilities using Metasploit and its supporting tools and components. Later, you'll get to grips with web app security scanning, bypassing anti-virus, and post-compromise methods for clearing traces on the target system. The concluding chapters will take you through real-world case studies and scenarios that will help you apply the knowledge you've gained to ethically hack into target systems. You'll also discover the latest security techniques that can be directly applied to scan, test, ethically hack, and secure networks and systems with Metasploit. By the end of this book, you'll have learned how to use the Metasploit 5.0 Framework to exploit real-world vulnerabilities. What you will learnSet up the environment for MetasploitUnderstand how to gather sensitive information and exploit vulnerabilitiesGet up to speed with client-side attacks and web application scanning using MetasploitLeverage the latest features of Metasploit 5.0 to evade anti-virusDelve into cyber attack management using ArmitageUnderstand exploit development and explore real-world case studiesWho this book is for If you are a penetration tester, ethical hacker, or security consultant who wants to quickly get started with using the Metasploit Framework to carry out elementary penetration

testing in highly secured environments, then this Metasploit book is for you. You will also find this book useful if you’re interested in computer security, particularly in the areas of vulnerability assessment and pentesting, and want to develop practical skills when using the Metasploit Framework.

Hands-On Penetration Testing on Windows No Starch Press

Provides information on penetration testing and how to keep a computer and a computer network secure.

Hands-On Penetration Testing with Kali NetHunter Packt Publishing Ltd

Get up to speed with various penetration testing techniques and resolve security threats of varying complexity Key FeaturesEnhance your penetration testing skills to tackle security threatsLearn to gather information, find vulnerabilities, and exploit enterprise defensesNavigate secured systems with the most up-to-date version of Kali Linux (2019.1) and Metasploit (5.0.0)Book Description Sending information via the internet is not entirely private, as evidenced by the rise in hacking, malware attacks, and security threats. With the help of this book, you'll learn crucial penetration testing techniques to help you evaluate enterprise defenses. You'll start by understanding each stage of pentesting and deploying target virtual machines, including Linux and Windows. Next, the book will guide you through performing

intermediate penetration testing in a controlled environment. With the help of practical use cases, you'll also be able to implement your learning in real-world scenarios. By studying everything from setting up your lab, information gathering and password attacks, through to social engineering and post exploitation, you'll be able to successfully overcome security threats. The book will even help you leverage the best tools, such as Kali Linux, Metasploit, Burp Suite, and other open source pentesting tools to perform these techniques. Toward the later chapters, you'll focus on best practices to quickly resolve security threats. By the end of this book, you'll be well versed with various penetration testing techniques so as to be able to tackle security threats effectively What you will learnPerform entry-level penetration tests by learning various concepts and techniquesUnderstand both common and not-so-common vulnerabilities from an attacker's perspectiveGet familiar with intermediate attack methods that can be used in real-world scenariosUnderstand how vulnerabilities are created by developers and how to fix some of them at source code levelBecome well versed with basic tools for ethical hacking purposesExploit known vulnerable services with tools such as MetasploitWho this book is for If you’re just getting started with penetration testing and want to

explore various security domains, this book is for you. Security professionals, network engineers, and amateur ethical hackers will also find this book useful. Prior knowledge of penetration testing and ethical hacking is not necessary.
Mastering Metasploit Packt Publishing Ltd
Web Applications are the core of any business today, and the need for specialized Application Security experts is increasing these days. Using this book, you will be able to learn Application Security testing and understand how to analyze a web application, conduct a web intrusion test, and a network infrastructure test.
Mastering Machine Learning for Penetration Testing Packt Publishing Ltd
A practical handbook to cybersecurity for both tech and non-tech professionals As reports of major data breaches fill the headlines, it has become impossible for any business, large or small, to ignore the importance of cybersecurity. Most books on the subject, however, are either too specialized for the non-technical professional or too general for positions in the IT trenches. Thanks to author Nadean Tanner's wide array of experience from teaching at a University to working for the Department of Defense, the Cybersecurity Blue Team Toolkit strikes the perfect balance of substantive and accessible, making it equally useful to those in IT or management

positions across a variety of industries. This handy guide takes a simple and strategic look at best practices and tools available to both cybersecurity management and hands-on professionals, whether they be new to the field or looking to expand their expertise. Tanner gives comprehensive coverage to such crucial topics as security assessment and configuration, strategies for protection and defense, offensive measures, and remediation while aligning the concept with the right tool using the CIS Controls version 7 as a guide. Readers will learn why and how to use fundamental open source and free tools such as ping, tracert, PuTTY, pathping, sysinternals, NMAP, OpenVAS, Nexpose Community, OSSEC, Hamachi, InSSIDer, Nexpose Community, Wireshark, Solarwinds Kiwi Syslog Server, Metasploit, Burp, Clonezilla and many more. Up-to-date and practical cybersecurity instruction, applicable to both management and technical positions • Straightforward explanations of the theory behind cybersecurity best practices • Designed to be an easily navigated tool for daily use • Includes training appendix on Linux, how to build a virtual lab and glossary of key terms The Cybersecurity Blue Team Toolkit is an excellent resource for anyone working in digital policy as well as IT security professionals, technical analysts, program managers, and Chief

Information and Technology Officers. This is one handbook that won't gather dust on the shelf, but remain a valuable reference at any career level, from student to executive.

Metasploit Revealed Packt Publishing Ltd

Continuing a tradition of excellent training on open source tools, Penetration Tester's Open Source Toolkit, Fourth Edition is a great reference to the open source tools available today and teaches you how to use them by demonstrating them in real-world examples. This book expands upon existing documentation so that a professional can get the most accurate and in-depth test results possible. Real-life scenarios are a major focus so that the reader knows which tool to use and how to use it for a variety of situations. This updated edition covers the latest technologies and attack vectors, including industry specific case studies and complete laboratory setup. Great commercial penetration testing tools can be very expensive and sometimes hard to use or of questionable accuracy. This book helps solve both of these problems. The open source, no-cost penetration testing tools presented work as well or better than commercial tools and can be modified by the user for each situation if needed. Many tools, even ones that cost thousands of dollars, do not come with any type of instruction on how and in which situations the penetration tester can

best use them. Penetration Tester's Open Source Toolkil, Fourth Edition bridges this gap providing the critical information that you need. Details current open source penetration tools Presents core technologies for each type of testing and the best tools for the job New to this edition: expanded wireless pen testing coverage to include Bluetooth, coverage of cloud computing and virtualization, new tools, and the latest updates to tools, operating systems, and techniques Includes detailed laboratory environment setup, new real-world examples, and industry-specific case studies