

Metasploit Penetration Testing Cookbook

Second Edition

Over 80 recipes to master the most widely used
penetration testing framework

Monika Agarwal

Abhinav Singh



Metasploit Penetration Testing Cookbook Second Edition

Abd El-Monem A. El-Bawab

Metasploit Penetration Testing Cookbook Second Edition:

Metasploit Penetration Testing Cookbook Monika Agarwal,2013 This book follows a Cookbook style with recipes explaining the steps for penetration testing with WLAN VOIP and even cloud computing There is plenty of code and commands used to make your learning curve easy and quick This book targets both professional penetration testers as well as new users of Metasploit who wish to gain expertise over the framework and learn an additional skill of penetration testing not limited to a particular OS The book requires basic knowledge of scanning exploitation and the Ruby language

Metasploit Penetration Testing Cookbook Monika Agarwal,Abhinav Singh,2013-10 This book follows a Cookbook style with recipes explaining the steps for penetration testing with WLAN VOIP and even cloud computing There is plenty of code and commands used to make your learning curve easy and quick This book targets both professional penetration testers as well as new users of Metasploit who wish to gain expertise over the framework and learn an additional skill of penetration testing not limited to a particular OS The book requires basic knowledge of scanning exploitation and the Ruby language

Metasploit Penetration Testing Cookbook Abhinav Singh,2012-06-22 Over 80 recipes to master the most widely used penetration testing framework

Metasploit Penetration Testing Cookbook Abhinav Singh,Nipun Jaswal,Monika Agarwal,Daniel Teixeira,2018-02-26 Over 100 recipes for penetration testing using Metasploit and virtual machines Key Features Special focus on the latest operating systems exploits and penetration testing techniques Learn new anti virus evasion techniques and use Metasploit to evade countermeasures Automate post exploitation with AutoRunScript Exploit Android devices record audio and video send and read SMS read call logs and much more Build and analyze Metasploit modules in Ruby Integrate Metasploit with other penetration testing tools Book Description Metasploit is the world s leading penetration testing tool and helps security and IT professionals find exploit and validate vulnerabilities Metasploit allows penetration testing automation password auditing web application scanning social engineering post exploitation evidence collection and reporting Metasploit s integration with InsightVM or Nmap Nessus OpenVAS and other vulnerability scanners provides a validation solution that simplifies vulnerability prioritization and remediation reporting Teams can collaborate in Metasploit and present their findings in consolidated reports In this book you will go through great recipes that will allow you to start using Metasploit effectively With an ever increasing level of complexity and covering everything from the fundamentals to more advanced features in Metasploit this book is not just for beginners but also for professionals keen to master this awesome tool You will begin by building your lab environment setting up Metasploit and learning how to perform intelligence gathering threat modeling vulnerability analysis exploitation and post exploitation all inside Metasploit You will learn how to create and customize payloads to evade anti virus software and bypass an organization s defenses exploit server vulnerabilities attack client systems compromise mobile phones automate post exploitation install backdoors run keyloggers highjack webcams port public exploits to the framework create your own modules and much more What you

will learn Set up a complete penetration testing environment using Metasploit and virtual machines Master the world s leading penetration testing tool and use it in professional penetration testing Make the most of Metasploit with PostgreSQL importing scan results using workspaces hosts loot notes services vulnerabilities and exploit results Use Metasploit with the Penetration Testing Execution Standard methodology Use MSFvenom efficiently to generate payloads and backdoor files and create shellcode Leverage Metasploit s advanced options upgrade sessions use proxies use Meterpreter sleep control and change timeouts to be stealthy Who this book is for If you are a Security professional or pentester and want to get into vulnerability exploitation and make the most of the Metasploit framework then this book is for you Some prior understanding of penetration testing and Metasploit is required

Mastering Metasploit Nipun Jaswal,2014-05-26

A comprehensive and detailed step by step tutorial guide that takes you through important aspects of the Metasploit framework If you are a penetration tester security engineer or someone who is looking to extend their penetration testing skills with Metasploit then this book is ideal for you The readers of this book must have a basic knowledge of using Metasploit They are also expected to have knowledge of exploitation and an indepth understanding of object oriented programming languages

Untangle Network Security Abd El-Monem A. El-Bawab,2014-10-31 If you are a security engineer or a system administrator and want to secure your server infrastructure with the feature rich Untangle this book is for you For individuals who want to start their career in the network security field this book would serve as a perfect companion to learn the basics of network security and how to implement it using Untangle NGFW

Metasploit, 2nd Edition David Kennedy,Mati Aharoni,Devon Kearns,Jim

O'Gorman,Daniel G. Graham,2025-01-28 The new and improved guide to penetration testing using the legendary Metasploit Framework Metasploit The Penetration Tester s Guide has been the definitive security assessment resource for over a decade The Metasploit Framework makes discovering exploiting and sharing vulnerabilities quick and relatively painless but using it can be challenging for newcomers Written by renowned ethical hackers and industry experts this fully updated second edition includes Advanced Active Directory and cloud penetration testing Modern evasion techniques and payload encoding Malicious document generation for client side exploitation Coverage of recently added modules and commands Starting with Framework essentials exploits payloads Meterpreter and auxiliary modules you ll progress to advanced methodologies aligned with the Penetration Test Execution Standard PTES Through real world examples and simulated penetration tests you ll Conduct network reconnaissance and analyze vulnerabilities Execute wireless network and social engineering attacks Perform post exploitation techniques including privilege escalation Develop custom modules in Ruby and port existing exploits Use MSFvenom to evade detection Integrate with Nmap Nessus and the Social Engineer Toolkit Whether you re a cybersecurity professional ethical hacker or IT administrator this second edition of Metasploit The Penetration Tester s Guide is your key to staying ahead in the ever evolving threat landscape

Improving your Penetration Testing Skills Gilberto

Najera-Gutierrez,Juned Ahmed Ansari,Daniel Teixeira,Abhinav Singh,2019-07-18 Evade antivirus 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 [Kali Linux Web Penetration Testing Cookbook](#) Gilberto Najera-Gutierrez, 2018-08-31 Discover the most common web vulnerabilities and prevent them from becoming a threat to your site s security Key Features Familiarize yourself with the most common web vulnerabilities Conduct a preliminary assessment of attack surfaces and run exploits in your lab Explore new tools in the Kali Linux ecosystem for web penetration testing Book Description Web applications are a huge point of attack for malicious hackers and a critical area for security professionals and penetration testers to lock down and secure Kali Linux is a Linux based penetration testing platform that provides a broad array of testing tools many of which can be used to execute web penetration testing Kali Linux Web Penetration Testing Cookbook gives you the skills you need to cover every stage of a penetration test from gathering information about the system and application to identifying vulnerabilities through manual testing You will also cover the use of vulnerability scanners and look at basic and advanced exploitation techniques that may lead to a full system compromise You will start by setting up a testing laboratory exploring the latest features of tools included in Kali Linux and performing a

wide range of tasks with OWASP ZAP Burp Suite and other web proxies and security testing tools As you make your way through the book you will learn how to use automated scanners to find security flaws in web applications and understand how to bypass basic security controls In the concluding chapters you will look at what you have learned in the context of the Open Web Application Security Project OWASP and the top 10 web application vulnerabilities you are most likely to encounter equipping you with the ability to combat them effectively By the end of this book you will have acquired the skills you need to identify exploit and prevent web application vulnerabilities What you will learn Set up a secure penetration testing laboratory Use proxies crawlers and spiders to investigate an entire website Identify cross site scripting and client side vulnerabilities Exploit vulnerabilities that allow the insertion of code into web applications Exploit vulnerabilities that require complex setups Improve testing efficiency using automated vulnerability scanners Learn how to circumvent security controls put in place to prevent attacks Who this book is for Kali Linux Web Penetration Testing Cookbook is for IT professionals web developers security enthusiasts and security professionals who want an accessible reference on how to find exploit and prevent security vulnerabilities in web applications The basics of operating a Linux environment and prior exposure to security technologies and tools are necessary

Penetration Testing Georgia Weidman,2014-06-14

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

Kali Linux - An Ethical Hacker's Cookbook Himanshu Sharma,2019-03-29 Discover end to end

penetration testing solutions to enhance your ethical hacking skills Key FeaturesPractical recipes to conduct effective penetration testing using the latest version of Kali LinuxLeverage tools like Metasploit Wireshark Nmap and more to detect vulnerabilities with easeConfidently perform networking and application attacks using task oriented recipesBook Description Many organizations have been affected by recent cyber events At the current rate of hacking it has become more important

than ever to pentest your environment in order to ensure advanced level security. This book is packed with practical recipes that will quickly get you started with Kali Linux version 2018.4-2019 in addition to covering the core functionalities. The book will get you off to a strong start by introducing you to the installation and configuration of Kali Linux which will help you to perform your tests. You will also learn how to plan attack strategies and perform web application exploitation using tools such as Burp and JexBoss. As you progress you will get to grips with performing network exploitation using Metasploit, Sparta and Wireshark. The book will also help you delve into the technique of carrying out wireless and password attacks using tools such as Patator, John the Ripper and airoscript ng. Later chapters will draw focus to the wide range of tools that help in forensics investigations and incident response mechanisms. As you wrap up the concluding chapters you will learn to create an optimum quality pentest report. By the end of this book you will be equipped with the knowledge you need to conduct advanced penetration testing thanks to the book's crisp and task oriented recipes. What you will learn: Learn how to install, set up and customize Kali for pentesting on multiple platforms; Pentest routers and embedded devices; Get insights into fiddling around with software defined radio; Pwn and escalate through a corporate network; Write good quality security reports; Explore digital forensics and memory analysis with Kali Linux.

Who this book is for: If you are an IT security professional, pentester or security analyst who wants to conduct advanced penetration testing techniques then this book is for you. Basic knowledge of Kali Linux is assumed.

Hands-On Penetration Testing with Python Furqan Khan, 2019-01-31

Implement defensive techniques in your ecosystem successfully with Python. Key Features:

- Identify and expose vulnerabilities in your infrastructure with Python.
- Learn custom exploit development.
- Make robust and powerful cybersecurity tools with Python.

Book Description: With the current technological and infrastructural shift, penetration testing is no longer a process oriented activity. Modern day penetration testing demands lots of automation and innovation. The only language that dominates all its peers is Python. Given the huge number of tools written in Python and its popularity in the penetration testing space, this language has always been the first choice for penetration testers. *Hands On Penetration Testing with Python* walks you through advanced Python programming constructs. Once you are familiar with the core concepts, you'll explore the advanced uses of Python in the domain of penetration testing and optimization. You'll then move on to understanding how Python data science and the cybersecurity ecosystem communicate with one another. In the concluding chapters, you'll study exploit development, reverse engineering and cybersecurity use cases that can be automated with Python. By the end of this book, you'll have acquired adequate skills to leverage Python as a helpful tool to pentest and secure infrastructure while also creating your own custom exploits. What you will learn:

- Get to grips with Custom vulnerability scanner development.
- Familiarize yourself with web application scanning automation and exploit development.
- Walk through day to day cybersecurity scenarios that can be automated with Python.
- Discover enterprise or organization specific use cases and threat hunting automation.
- Understand reverse engineering, fuzzing, buffer overflows, key logger development and exploit development for buffer overflows.

Understand web scraping in Python and use it for processing web responses

Explore Security Operations Centre SOC use cases

Get to understand Data Science Python and cybersecurity all under one hood

Who this book is for

If you are a security consultant developer or a cyber security enthusiast with little or no knowledge of Python and want in depth insight into how the pen testing ecosystem and python combine to create offensive tools

exploits automate cyber security use cases and much more then this book is for you

Hands On Penetration Testing with Python guides you through the advanced uses of Python for cybersecurity and pen testing helping you to better understand security loopholes within your infrastructure

[Kali Linux Cookbook](#)

Corey P. Schultz, Bob Perciaccante, 2017-09-12

Over 80 recipes to effectively test your network and boost your career in security

Key Features

Learn how to scan networks to find vulnerable computers and servers

Hack into devices to control them

Steal their data and make them yours

Target wireless networks

Databases and web servers and password cracking to make the most of Kali Linux

Book Description

Kali Linux is a Linux distribution designed for penetration testing and security auditing

It is the successor to BackTrack the world's most popular penetration testing distribution

Kali Linux is the most widely used platform and toolkit for penetration testing

Security is currently the hottest field in technology with a projected need for millions of security professionals

This book focuses on enhancing your knowledge in Kali Linux for security by expanding your skills with toolkits and frameworks that can increase your value as a security professional

Kali Linux Cookbook Second Edition starts by helping you install Kali Linux on different options available

You will also be able to understand the lab architecture and install a Windows host for use in the lab

Next you will understand the concept of vulnerability analysis and look at the different types of exploits

The book will introduce you to the concept and psychology of Social Engineering and password cracking

You will then be able to use these skills to expand the scope of any breaches you create

Finally the book will guide you in exploiting specific technologies and gaining access to other systems in the environment

By the end of this book you will have gained the core knowledge and concepts of the penetration testing process

What you will learn

Acquire the key skills of ethical hacking to perform penetration testing

Learn how to perform network reconnaissance

Discover vulnerabilities in hosts

Attack vulnerabilities to take control of workstations and servers

Understand password cracking to bypass security

Learn how to hack into wireless networks

Attack web and database servers to exfiltrate data

Obfuscate your command and control connections to avoid firewall and IPS detection

Who this book is for

If you are looking to expand your career into penetration testing you will need a good understanding of Kali Linux and the variety of tools it includes

This book will work as a perfect guide for anyone who wants to have a practical approach in leveraging penetration testing mechanisms using Kali Linux

The Ultimate Kali Linux Book

Glen D. Singh, 2022-02-24

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

The Ultimate Kali Linux Book - Second Edition

Glen D. Singh,2022-02-24 Explore the latest ethical hacking tools and techniques to perform penetration testing from scratch 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 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

Metasploit Revealed: Secrets of the Expert Pentester Sagar Rahalkar,Nipun Jaswal,2017-12-05 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.

[Metasploit Penetration Testing Cookbook - Third Edition](#) Daniel Teixeira, Abhinav

Singh, Monika Agarwal, 2018. Over 100 recipes for penetration testing using Metasploit and virtual machines. **About This Book:** Special focus on the latest operating systems exploits and penetration testing techniques. Learn new anti-virus evasion techniques and use Metasploit to evade countermeasures. Automate post-exploitation with AutoRunScript. Exploit Android devices, record audio and video, send and read SMS, read call logs, and much more. Build and analyze Metasploit modules in Ruby. Integrate Metasploit with other penetration testing tools. **Who This Book Is For:** If you are a Security professional or pentester and want to get into vulnerability exploitation and make the most of the Metasploit framework, then this book is for you. Some prior understanding of penetration testing and Metasploit is required. **What You Will Learn:** Set up a complete penetration testing environment using Metasploit and virtual machines. Master the world's leading penetration testing tool and use it in professional penetration testing. Make the most of Metasploit with PostgreSQL, importing scan results using workspaces, hosts, loot, notes, services, vulnerabilities, and exploit results. Use Metasploit with the Penetration Testing Execution Standard methodology. Use MSFvenom efficiently to generate payloads and backdoor files and create shellcode. Leverage Metasploit's advanced options, upgrade sessions, use proxies, use Meterpreter sleep control, and change timeouts to be stealthy. **In Detail:** Metasploit is the world's leading penetration testing tool and helps security and IT professionals find, exploit, and validate vulnerabilities. Metasploit allows penetration testing automation, password auditing, web application scanning, social engineering, post-exploitation, evidence collection, and reporting. Metasploit's integration with InsightVM or Nexpose, Nessus, OpenVAS, and other vulnerability scanners provides a validation solution that simplifies vulnerability prioritization and remediation reporting. Teams can collaborate in Metasploit and present their findings in consolidated reports. In this book, you will go through great recipes that will allow you to start using Metasploit effectively. With an ever-increasing level of complexity and covering everything from the fundamentals to more advanced features in Metasploit, this book is not just for beginners but also for professionals keen to master this awesome tool. You will begin by building your lab environment, setting up Metasploit and learning how to use it effectively.

[Mastering Metasploit](#) Nipun Jaswal, 2016-09-30. Take your penetration

testing and IT security skills to a whole new level with the secrets of Metasploit About 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 resilient 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 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 scripting 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 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 approach This 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

Kali Linux - An Ethical Hacker's Cookbook - Second Edition

Himanshu Sharma,2019 Discover end to end penetration testing solutions to enhance your ethical hacking skills Key Features Practical recipes to conduct effective penetration testing using the latest version of Kali Linux Leverage tools like Metasploit Wireshark Nmap and more to detect vulnerabilities with ease Confidently perform networking and application attacks using task oriented recipes Book Description Many organizations have been affected by recent cyber events At the current rate of hacking it has become more important than ever to pentest your environment in order to ensure advanced level security This book is packed with practical recipes that will quickly get you started with Kali Linux version 2018 4 2019 in addition to covering the core functionalities The book will get you off to a strong start by introducing you to the installation and configuration of Kali Linux which will help you to perform your tests You will also learn how to plan attack strategies and

perform web application exploitation using tools such as Burp and JexBoss As you progress you will get to grips with performing network exploitation using Metasploit Sparta and Wireshark The book will also help you delve into the technique of carrying out wireless and password attacks using tools such as Patator John the Ripper and airoscript ng Later chapters will draw focus to the wide range of tools that help in forensics investigations and incident response mechanisms As you wrap up the concluding chapters you will learn to create an optimum quality pentest report By the end of this book you will be equipped with the knowledge you need to conduct advanced penetration testing thanks to the book's crisp and task oriented recipes What you will learn Learn how to install set up and customize Kali for pentesting on multiple platforms Pentest routers and embedded devices Get insights into fiddling around with software defined radio Pwn and escalate through a corporate network Write good quality security reports Explore digital forensics and memory analysis with Kali Linux Who this book is for If you are an IT security professional pentester or security analyst who wants to conduct advanced penetration testing techniques then this book is for you Basic knowledge of Kali Linux is assumed Downloading the example code for this book You can download the example code files for all Packt books you have purchased from your account at <http://www.PacktPub.com> If you purchase **Mastering Metasploit**, Nipun Jaswal, 2018-05-28 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

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