

Systematic Techniques to Find Problems Fast



Web Security Testing Cookbook

O'REILLY®

Paco Hope & Ben Walters

Web Security Testing Cookbook Systematic Techniques To Find Problems Fast

Richa Gupta



Web Security Testing Cookbook Systematic Techniques To Find Problems Fast:

Web Security Testing Cookbook Paco Hope, Ben Walthers, 2008-10-14 Among the tests you perform on web applications security testing is perhaps the most important yet it is often the most neglected The recipes in the Web Security Testing Cookbook demonstrate how developers and testers can check for the most common web security issues while conducting unit tests regression tests or exploratory tests Unlike ad hoc security assessments these recipes are repeatable concise and systematic perfect for integrating into your regular test suite Recipes cover the basics from observing messages between clients and servers to multi phase tests that script the login and execution of web application features By the end of the book you will be able to build tests pinpointed at Ajax functions as well as large multi step tests for the usual suspects cross site scripting and injection attacks This book helps you Obtain install and configure useful and free security testing tools Understand how your application communicates with users so you can better simulate attacks in your tests Choose from many different methods that simulate common attacks such as SQL injection cross site scripting and manipulating hidden form fields Make your tests repeatable by using the scripts and examples in the recipes as starting points for automated tests Don't live in dread of the midnight phone call telling you that your site has been hacked With Web Security Testing Cookbook and the free tools used in the book's examples you can incorporate security coverage into your test suite and sleep in peace

Handbook of Communications Security F. Garzia, 2013 Communications represent a strategic sector for privacy protection and for personal company national and international security The interception damage or loss of information during communication can generate material and non material economic damages from both a personal and collective point of view The purpose of this book is to give the reader information relating to all aspects of communications security beginning at the base ideas and building to reach the most advanced and updated concepts The book will be of interest to integrated system designers telecommunication designers system engineers system analysts security managers technicians intelligence personnel security personnel police army private investigators scientists graduate and postgraduate students and anyone that needs to communicate in a secure way

Web Application Obfuscation Mario Heiderich, Eduardo Alberto Vela Nava, Gareth Heyes, David Lindsay, 2010-12-10 Web applications are used every day by millions of users which is why they are one of the most popular vectors for attackers Obfuscation of code has allowed hackers to take one attack and create hundreds if not millions of variants that can evade your security measures Web Application Obfuscation takes a look at common Web infrastructure and security controls from an attacker's perspective allowing the reader to understand the shortcomings of their security systems Find out how an attacker would bypass different types of security controls how these very security controls introduce new types of vulnerabilities and how to avoid common pitfalls in order to strengthen your defenses Named a 2011 Best Hacking and Pen Testing Book by InfoSec Reviews Looks at security tools like IDS IPS that are often the only defense in protecting sensitive data and assets Evaluates Web application vulnerabilities from the attacker's

perspective and explains how these very systems introduce new types of vulnerabilities Teaches how to secure your data including info on browser quirks new attacks and syntax tricks to add to your defenses against XSS SQL injection and more

Digital Information and Communication Technology and Its Applications Hocine Cherifi,Jasni Mohamad Zain,Eyas El-Qawasmeh,2011-06-17 This two volume set CCIS 166 and 167 constitutes the refereed proceedings of the International Conference on Digital Information and Communication Technology and its Applications DICTAP 2011 held in Dijon France in June 2010 The 128 revised full papers presented in both volumes were carefully reviewed and selected from 330 submissions The papers are organized in topical sections on Web applications image processing visual interfaces and user experience network security ad hoc network cloud computing Data Compression Software Engineering Networking and Mobiles Distributed and Parallel processing social networks ontology algorithms multimedia e learning interactive environments and emergent technologies for e learning signal processing information and data management **Information Security: The Complete Reference, Second Edition** Mark Rhodes-Ousley,2013-04-03 Develop and implement an effective end to end security program Today s complex world of mobile platforms cloud computing and ubiquitous data access puts new security demands on every IT professional Information Security The Complete Reference Second Edition previously titled Network Security The Complete Reference is the only comprehensive book that offers vendor neutral details on all aspects of information protection with an eye toward the evolving threat landscape Thoroughly revised and expanded to cover all aspects of modern information security from concepts to details this edition provides a one stop reference equally applicable to the beginner and the seasoned professional Find out how to build a holistic security program based on proven methodology risk analysis compliance and business needs You ll learn how to successfully protect data networks computers and applications In depth chapters cover data protection encryption information rights management network security intrusion detection and prevention Unix and Windows security virtual and cloud security secure application development disaster recovery forensics and real world attacks and countermeasures Included is an extensive security glossary as well as standards based references This is a great resource for professionals and students alike Understand security concepts and building blocks Identify vulnerabilities and mitigate risk Optimize authentication and authorization Use IRM and encryption to protect unstructured data Defend storage devices databases and software Protect network routers switches and firewalls Secure VPN wireless VoIP and PBX infrastructure Design intrusion detection and prevention systems Develop secure Windows Java and mobile applications Perform incident response and forensic analysis How to Break Web Software Mike Andrews,James A. Whittaker,2006-02-02 Rigorously test and improve the security of all your Web software It s as certain as death and taxes hackers will mercilessly attack your Web sites applications and services If you re vulnerable you d better discover these attacks yourself before the black hats do Now there s a definitive hands on guide to security testing any Web based software How to Break Web Software In this book two renowned experts address every category of Web software

exploit attacks on clients servers state user inputs and more You ll master powerful attack tools and techniques as you uncover dozens of crucial widely exploited flaws in Web architecture and coding The authors reveal where to look for potential threats and attack vectors how to rigorously test for each of them and how to mitigate the problems you find Coverage includes Client vulnerabilities including attacks on client side validation State based attacks hidden fields CGI parameters cookie poisoning URL jumping and session hijacking Attacks on user supplied inputs cross site scripting SQL injection and directory traversal Language and technology based attacks buffer overflows canonicalization and NULL string attacks Server attacks SQL Injection with stored procedures command injection and server fingerprinting Cryptography privacy and attacks on Web services Your Web software is mission critical it can t be compromised Whether you re a developer tester QA specialist or IT manager this book will help you protect that software systematically

Python Penetration Testing Cookbook Rejah Rehim,2017-11-28 Over 50 hands on recipes to help you pen test networks using Python discover vulnerabilities and find a recovery path About This Book Learn to detect and avoid various types of attack that put system privacy at risk Enhance your knowledge of wireless application concepts and information gathering through practical recipes Learn a pragmatic way to penetration test using Python build efficient code and save time Who This Book Is For If you are a developer with prior knowledge of using Python for penetration testing and if you want an overview of scripting tasks to consider while penetration testing this book will give you a lot of useful code for your toolkit What You Will Learn Learn to configure Python in different environment setups Find an IP address from a web page using BeautifulSoup and Scrapy Discover different types of packet sniffing script to sniff network packets Master layer 2 and TCP IP attacks Master techniques for exploit development for Windows and Linux Incorporate various network and packet sniffing techniques using Raw sockets and Scrapy In Detail Penetration testing is the use of tools and code to attack a system in order to assess its vulnerabilities to external threats Python allows pen testers to create their own tools Since Python is a highly valued pen testing language there are many native libraries and Python bindings available specifically for pen testing tasks Python Penetration Testing Cookbook begins by teaching you how to extract information from web pages You will learn how to build an intrusion detection system using network sniffing techniques Next you will find out how to scan your networks to ensure performance and quality and how to carry out wireless pen testing on your network to avoid cyber attacks After that we ll discuss the different kinds of network attack Next you ll get to grips with designing your own torrent detection program We ll take you through common vulnerability scenarios and then cover buffer overflow exploitation so you can detect insecure coding Finally you ll master PE code injection methods to safeguard your network Style and approach This book takes a recipe based approach to solving real world problems in pen testing It is structured in stages from the initial assessment of a system through exploitation to post exploitation tests and provides scripts that can be used or modified for in depth penetration testing

Hands-on Penetration Testing for Web Applications Richa Gupta ,2025-03-14 DESCRIPTION Hands

on Penetration Testing for Web Applications offers readers with the knowledge and skillset to identify exploit and control the security vulnerabilities present in commercial web applications including online banking mobile payments and e commerce applications Covering a diverse array of topics this book provides a comprehensive overview of web application security testing methodologies Each chapter offers key insights and practical applications that align with the objectives of the course Students will explore critical areas such as vulnerability identification penetration testing techniques using open source pen test management and reporting tools testing applications hosted on cloud and automated security testing tools Throughout the book readers will encounter essential concepts and tools such as OWASP Top 10 vulnerabilities SQL injection cross site scripting XSS authentication and authorization testing and secure configuration practices With a focus on real world applications students will develop critical thinking skills problem solving abilities and a security first mindset required to address the challenges of modern web application threats With a deep understanding of security vulnerabilities and testing solutions students will have the confidence to explore new opportunities drive innovation and make informed decisions in the rapidly evolving field of cybersecurity

KEY FEATURES Exciting coverage on vulnerabilities and security loopholes in modern web applications Practical exercises and case scenarios on performing pen testing and identifying security breaches This new edition brings enhanced cloud security coverage and comprehensive penetration test management using AttackForge for streamlined vulnerability documentation and remediation

WHAT YOU WILL LEARN Navigate the complexities of web application security testing An overview of the modern application vulnerabilities detection techniques tools and web penetration testing methodology framework Contribute meaningfully to safeguarding digital systems Address the challenges of modern web application threats This edition includes testing modern web applications with emerging trends like DevSecOps API security and cloud hosting This edition brings DevSecOps implementation using automated security approaches for continuous vulnerability remediation

WHO THIS BOOK IS FOR The target audience for this book includes students security enthusiasts penetration testers and web application developers Individuals who are new to security testing will be able to build an understanding about testing concepts and find this book useful People will be able to gain expert knowledge on pentesting tools and concepts

TABLE OF CONTENTS 1 Introduction to Security Threats 2 Web Application Security Essentials 3 Web Pentesting Methodology 4 Testing Authentication Failures 5 Testing Secure Session Management 6 Testing Broken Access Control 7 Testing Sensitive Data Exposure 8 Testing Secure Data Validation 9 Techniques to Attack Application Users 10 Testing Security Misconfigurations 11 Automating Security Attacks 12 Penetration Testing Tools 13 Pen Test Management and Reporting 14 Defense In Depth 15 Security Testing in Cloud

The Art of Software Security Testing Chris Wysopal, Lucas Nelson, Elfriede Dustin, Dino Dai Zovi, 2006-11-17 State of the Art Software Security Testing Expert Up to Date and Comprehensive The Art of Software Security Testing delivers in depth up to date battle tested techniques for anticipating and identifying software security problems before the bad guys do Drawing on decades of

experience in application and penetration testing this book's authors can help you transform your approach from mere verification to proactive attack. The authors begin by systematically reviewing the design and coding vulnerabilities that can arise in software and offering realistic guidance in avoiding them. Next they show you ways to customize software debugging tools to test the unique aspects of any program and then analyze the results to identify exploitable vulnerabilities. Coverage includes Tips on how to think the way software attackers think to strengthen your defense strategy. Cost effectively integrating security testing into your development lifecycle. Using threat modeling to prioritize testing based on your top areas of risk. Building testing labs for performing white grey and black box software testing. Choosing and using the right tools for each testing project. Executing today's leading attacks from fault injection to buffer overflows. Determining which flaws are most likely to be exploited by real world attackers.

Python Web Penetration Testing Cookbook

Cameron Buchanan, Terry Ip, Andrew Mabbitt, Benjamin May, Dave Mound, 2015-06-24. This book gives you an arsenal of Python scripts perfect to use or to customize your needs for each stage of the testing process. Each chapter takes you step by step through the methods of designing and modifying scripts to attack web apps. You will learn how to collect both open and hidden information from websites to further your attacks, identify vulnerabilities, perform SQL Injections, exploit cookies and enumerate poorly configured systems. You will also discover how to crack encryption, create payloads to mimic malware and create tools to output your findings into presentable formats for reporting to your employers.

Zed Attack Proxy

Cookbook Ryan Soper, Nestor N Torres, Ahmed Almoailu, 2023-03-10. Dive into security testing and web app scanning with ZAP, a powerful OWASP security tool. Purchase of the print or Kindle book includes a free PDF eBook. Key Features: Master ZAP to protect your systems from different cyber attacks. Learn cybersecurity best practices using this step by step guide packed with practical examples. Implement advanced testing techniques such as XXE attacks and Java deserialization on web applications. Book Description: Maintaining your cybersecurity posture in the ever-changing fast-paced security landscape requires constant attention and advancements. This book will help you safeguard your organization using the free and open source OWASP Zed Attack Proxy (ZAP) tool, which allows you to test for vulnerabilities and exploits with the same functionality as a licensed tool. Zed Attack Proxy Cookbook contains a vast array of practical recipes to help you set up, configure and use ZAP to protect your vital systems from various adversaries. If you're interested in cybersecurity or working as a cybersecurity professional, this book will help you master ZAP. You'll start with an overview of ZAP and understand how to set up a basic lab environment for hands-on activities over the course of the book. As you progress, you'll go through a myriad of step-by-step recipes detailing various types of exploits and vulnerabilities in web applications, along with advanced techniques such as Java deserialization. By the end of this ZAP book, you'll be able to install and deploy ZAP, conduct basic to advanced web application penetration attacks, use the tool for API testing, deploy an integrated BOAST server, and build ZAP into a continuous integration and continuous delivery (CI/CD) pipeline. What you will learn: Install ZAP on different operating systems.

or environments Explore how to crawl passively scan and actively scan web apps Discover authentication and authorization exploits Conduct client side testing by examining business logic flaws Use the BOAST server to conduct out of band attacks Understand the integration of ZAP into the final stages of a CI CD pipeline Who this book is for This book is for cybersecurity professionals ethical hackers application security engineers DevSecOps engineers students interested in web security cybersecurity enthusiasts and anyone from the open source cybersecurity community looking to gain expertise in ZAP Familiarity with basic cybersecurity concepts will be helpful to get the most out of this book **Burp Suite Cookbook** Sunny Wear, 2018-09-26 Get hands on experience in using Burp Suite to execute attacks and perform web assessments Key Features Explore the tools in Burp Suite to meet your web infrastructure security demands Configure Burp to fine tune the suite of tools specific to the target Use Burp extensions to assist with different technologies commonly found in application stacks Book Description Burp Suite is a Java based platform for testing the security of your web applications and has been adopted widely by professional enterprise testers The Burp Suite Cookbook contains recipes to tackle challenges in determining and exploring vulnerabilities in web applications You will learn how to uncover security flaws with various test cases for complex environments After you have configured Burp for your environment you will use Burp tools such as Spider Scanner Intruder Repeater and Decoder among others to resolve specific problems faced by pentesters You will also explore working with various modes of Burp and then perform operations on the web Toward the end you will cover recipes that target specific test scenarios and resolve them using best practices By the end of the book you will be up and running with deploying Burp for securing web applications What you will learn Configure Burp Suite for your web applications Perform authentication authorization business logic and data validation testing Explore session management and client side testing Understand unrestricted file uploads and server side request forgery Execute XML external entity attacks with Burp Perform remote code execution with Burp Who this book is for If you are a security professional web pentester or software developer who wants to adopt Burp Suite for applications security this book is for you *Ultimate Pentesting for Web Applications: Unlock Advanced Web App Security Through Penetration Testing Using Burp Suite, Zap Proxy, Fiddler, Charles Proxy, and Python for Robust Defense* Dr. Rohit, Dr. Shifa, 2024-05-10 Learn how real life hackers and pentesters break into systems Key Features Dive deep into hands on methodologies designed to fortify web security and penetration testing Gain invaluable insights from real world case studies that bridge theory with practice Leverage the latest tools frameworks and methodologies to adapt to evolving cybersecurity landscapes and maintain robust web security posture Book Description Discover the essential tools and insights to safeguard your digital assets with the Ultimate Pentesting for Web Applications This essential resource comprehensively covers ethical hacking fundamentals to advanced testing methodologies making it a one stop resource for web application security knowledge Delve into the intricacies of security testing in web applications exploring powerful tools like Burp Suite ZAP Proxy Fiddler and Charles Proxy Real world case

studies dissect recent security breaches offering practical insights into identifying vulnerabilities and fortifying web applications against attacks This handbook provides step by step tutorials insightful discussions and actionable advice serving as a trusted companion for individuals engaged in web application security Each chapter covers vital topics from creating ethical hacking environments to incorporating proxy tools into web browsers It offers essential knowledge and practical skills to navigate the intricate cybersecurity landscape confidently By the end of this book you will gain the expertise to identify prevent and address cyber threats bolstering the resilience of web applications in the modern digital era What you will learn Learn how to fortify your digital assets by mastering the core principles of web application security and penetration testing Dive into hands on tutorials using industry leading tools such as Burp Suite ZAP Proxy Fiddler and Charles Proxy to conduct thorough security tests Analyze real world case studies of recent security breaches to identify vulnerabilities and apply practical techniques to secure web applications Gain practical skills and knowledge that you can immediately apply to enhance the security posture of your web applications Table of Contents1 The Basics of Ethical Hacking 2 Linux Fundamentals 3 Networking Fundamentals 4 Cryptography and Steganography 5 Social Engineering Attacks 6 Reconnaissance and OSINT 7 Security Testing and Proxy Tools 8 Cross Site Scripting 9 Authentication Bypass Techniques Index

Testing Web Security Steven Splaine,2002-12-03 Covers security basics and guides reader through the process of testing a Web site Explains how to analyze results and design specialized follow up tests that focus on potential security gaps Teaches the process of discovery scanning analyzing verifying results of specialized tests and fixing vulnerabilities

Hacking Web Apps Mike Shema,2012-10-22 How can an information security professional keep up with all of the hacks attacks and exploits on the Web One way is to read Hacking Web Apps The content for this book has been selected by author Mike Shema to make sure that we are covering the most vicious attacks out there Not only does Mike let you in on the anatomy of these attacks but he also tells you how to get rid of these worms trojans and botnets and how to defend against them in the future Countermeasures are detailed so that you can fight against similar attacks as they evolve Attacks featured in this book include SQL Injection Cross Site Scripting Logic Attacks Server Misconfigurations Predictable Pages Web of Distrust Breaking Authentication Schemes HTML5 Security Breaches Attacks on Mobile Apps Even if you don t develop web sites or write HTML Hacking Web Apps can still help you learn how sites are attacked as well as the best way to defend against these attacks Plus Hacking Web Apps gives you detailed steps to make the web browser sometimes your last line of defense more secure More and more data from finances to photos is moving into web applications How much can you trust that data to be accessible from a web browser anywhere and safe at the same time Some of the most damaging hacks to a web site can be executed with nothing more than a web browser and a little knowledge of HTML Learn about the most common threats and how to stop them including HTML Injection XSS Cross Site Request Forgery SQL Injection Breaking Authentication Schemes Logic Attacks Web of Distrust Browser Hacks and many more

Web Application Security

Testing Third Edition Gerardus Blokdyk, 2018-11-30 What is your Web Application Security Testing strategy Is the impact that Web Application Security Testing has shown What are the business goals Web Application Security Testing is aiming to achieve Do Web Application Security Testing rules make a reasonable demand on a users capabilities Will team members perform Web Application Security Testing work when assigned and in a timely fashion This amazing Web Application Security Testing self assessment will make you the dependable Web Application Security Testing domain adviser by revealing just what you need to know to be fluent and ready for any Web Application Security Testing challenge How do I reduce the effort in the Web Application Security Testing work to be done to get problems solved How can I ensure that plans of action include every Web Application Security Testing task and that every Web Application Security Testing outcome is in place How will I save time investigating strategic and tactical options and ensuring Web Application Security Testing costs are low How can I deliver tailored Web Application Security Testing advice instantly with structured going forward plans There s no better guide through these mind expanding questions than acclaimed best selling author Gerard Blokdyk Blokdyk ensures all Web Application Security Testing essentials are covered from every angle the Web Application Security Testing self assessment shows succinctly and clearly that what needs to be clarified to organize the required activities and processes so that Web Application Security Testing outcomes are achieved Contains extensive criteria grounded in past and current successful projects and activities by experienced Web Application Security Testing practitioners Their mastery combined with the easy elegance of the self assessment provides its superior value to you in knowing how to ensure the outcome of any efforts in Web Application Security Testing are maximized with professional results Your purchase includes access details to the Web Application Security Testing self assessment dashboard download which gives you your dynamically prioritized projects ready tool and shows you exactly what to do next Your exclusive instant access details can be found in your book You will receive the following contents with New and Updated specific criteria The latest quick edition of the book in PDF The latest complete edition of the book in PDF which criteria correspond to the criteria in The Self Assessment Excel Dashboard and Example pre filled Self Assessment Excel Dashboard to get familiar with results generation plus an extra special resource that helps you with project managing INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books Lifetime Updates is an industry first feature which allows you to receive verified self assessment updates ensuring you always have the most accurate information at your fingertips

Web Application Defender's Cookbook Ryan C. Barnett, 2013-01-04 Defending your web applications against hackers and attackers The top selling book Web Application Hacker s Handbook showed how attackers and hackers identify and attack vulnerable live web applications This new Web Application Defender s Cookbook is the perfect counterpoint to that book it shows you how to defend Authored by a highly credentialed defensive security expert this new book details defensive security methods and can be used as courseware for training network security personnel web server administrators and security

consultants Each recipe shows you a way to detect and defend against malicious behavior and provides working code examples for the ModSecurity web application firewall module Topics include identifying vulnerabilities setting hacker traps defending different access points enforcing application flows and much more Provides practical tactics for detecting web attacks and malicious behavior and defending against them Written by a preeminent authority on web application firewall technology and web application defense tactics Offers a series of recipes that include working code examples for the open source ModSecurity web application firewall module Find the tools techniques and expert information you need to detect and respond to web application attacks with Web Application Defender s Cookbook Battling Hackers and Protecting Users

Automated Security Testing Eliza York,2023-08-05 Automated Security Testing Tools and Techniques for Protecting Web Applications is your comprehensive guide into the complex realm of web application security Designed to demystify sophisticated security intricacies this resource will be your trusted ally introducing you to the indispensable tools and techniques in a clear digestible manner As web applications become increasingly integrated into our day to day life their protection takes on a paramount importance Whether you are an experienced coder or just beginning to navigate the field of cybersecurity this Special Report contains something for everyone The guide covers a wide range of pertinent topics such as Understanding web application vulnerabilities Exploring automated security testing tools Developing effective security testing strategies Anticipating cybersecurity challenges with threat modelling Getting proactive with regular automated tests This resource is not just about fending off threats but about shifting from a reactive to a proactive stance giving you the upper hand in ensuring the safety of your digital assets About the author Eliza York a self taught cybersecurity enthusiast with over a decade of experience has been instrumental in securing digital landscapes for businesses of all scales Her passion for spreading awareness and knowledge about web application security is the driving force behind this comprehensive guide Eliza firmly believes that with the right tools and techniques everyone can ensure robust web application security and this Special Report is her contribution to that belief Secure your copy today and stay one step ahead in the ever advancing field of web application security

Mastering Modern Web Penetration Testing Prakhar Prasad,2016-09-30 Master the art of conducting modern pen testing attacks and techniques on your web application before the hacker does About This Book This book covers the latest technologies such as Advance XSS XSRF SQL Injection Evading WAFs XML attack vectors OAuth 2 0 Security and more involved in today s web applications Penetrate and secure your web application using various techniques Get this comprehensive reference guide that provides advanced tricks and tools of the trade for seasoned penetration testers Who This Book Is For This book targets security professionals and penetration testers who want to speed up their modern web application penetrating testing It will also benefit intermediate level readers and web developers who need to be aware of the latest application hacking techniques What You Will Learn Get to know the new and less publicized techniques such PHP Object Injection and XML based vectors Work with different security tools to

automate most of the redundant tasks See different kinds of newly designed security headers and see how they help to provide security Exploit and detect different kinds of XSS vulnerabilities Protect your web application using filtering mechanisms Understand old school and classic web hacking in depth using SQL Injection XSS and CSRF Grasp XML related vulnerabilities and attack vectors such as XXE and DoS using billion laughs quadratic blow up In Detail Web penetration testing is a growing fast moving and absolutely critical field in information security This book executes modern web application attacks and utilises cutting edge hacking techniques with an enhanced knowledge of web application security We will cover web hacking techniques so you can explore the attack vectors during penetration tests The book encompasses the latest technologies such as OAuth 2.0 evading WAFs and XML vectors used by hackers We'll explain various old school techniques in depth such as SQL Injection through the ever dependable SQLMap This pragmatic guide will be a great benefit and will help you prepare fully secure applications

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 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 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 hijack 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

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

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