

Advanced Web Attacks And Exploitation

Client-Side Attacks and Defense offers background networks against its attackers. The book examines the forms of client-side attacks and discusses different kinds of attacks along with delivery methods including, but not limited to, browser exploitation, use of rich internet applications, and file format vulnerabilities. It also covers defenses, such as antivirus and anti-spyware, intrusion detection systems, and end-user education. The book explains how to secure Web browsers, such as Microsoft Internet Explorer, Mozilla Firefox, Google Chrome, Apple Safari, and Opera. It discusses advanced Web attacks and advanced defenses against them. Moreover, it explores attacks on messaging, Web applications, and mobiles. The book concludes with a discussion on security measures against client-side attacks, starting from the planning of security. This book will be of great value to penetration testers, security consultants, system and network administrators, and IT auditors. Design and implement your own attack, and test methodologies derived from the approach and framework presented by the authors Learn how to strengthen your network's host- and network-based defense against attackers' number one remote exploit—the client-side attack Defend your network against attacks that target your company's most vulnerable asset—the end user

Master the art of detecting and averting advanced network security attacks and techniques About This Book Deep dive into the advanced network security attacks and techniques by leveraging tools such as Kali Linux 2, MetaSploit, Nmap, and Wireshark Become an expert in cracking WiFi passwords, penetrating anti-virus networks, sniffing the network, and USB hacks This step-by-step guide shows you how to confidently and quickly detect vulnerabilities for your network before the hacker does Who This Book Is For This book is for network security professionals, cyber security professionals, and Pentesters who are well versed with fundamentals of network security and now want to master it. So whether you're a cyber security professional, hobbyist, business manager, or student aspiring to becoming an ethical hacker or just want to learn more about the cyber security aspect of the IT industry, then this book is definitely for you. What You Will Learn Use SET to clone webpages including the login page Understand the concept of Wi-Fi cracking and use PCAP file to obtain passwords Attack using a USB as payload injector Familiarize yourself with the process of trojan attacks Use Shodan to identify honeypots, rogue access points, vulnerable webcams, and other exploits found in the database Explore various tools for wireless penetration testing and auditing Create an evil twin to intercept network traffic Identify human patterns in networks attacks In Detail Computer networks are increasing at an exponential rate and the most challenging factor organisations are currently facing is network security. Breaching a network is not considered an ingenious effort anymore, so it is very important to gain expertise in securing your network. The book begins by showing you how to identify malicious network behaviour and improve your wireless security. We will teach you what network sniffing is, the various tools associated with it, and how to scan for vulnerable wireless networks. Then we'll show you how attackers hide the payloads and bypass the victim's antivirus. Furthermore, we'll teach you how to spoof IP / MAC address and perform an SQL injection attack and prevent it on your website. We will create an evil twin and demonstrate how to intercept network traffic. Later, you will get familiar with Shodan and Intrusion Detection and will explore the features and tools associated with it. Toward the end, we cover tools such as Yardstick, Ubetooth, Wifi Pineapple, and Alfa used for wireless penetration testing and auditing. This book will show the tools and platform to ethically hack your own network whether it is for your business or for your personal home Wi-Fi. Style and approach This mastering-level guide is for all the security professionals who are eagerly waiting to master network security skills and protecting their organization with ease. It contains practical scenarios on various network

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security attacks and will teach you how to avert these attacks.

In-depth counterintelligence tactics to fight cyber-espionage "A comprehensive and unparalleled overview of the topic by experts in the field."--Slashdot Expose, pursue, and prosecute the perpetrators of advanced persistent threats (APTs) using the tested security techniques and real-world case studies featured in this one-of-a-kind guide. Reverse Deception: Organized Cyber Threat Counter-Exploitation shows how to assess your network's vulnerabilities, zero in on targets, and effectively block intruders. Discover how to set up digital traps, misdirect and divert attackers, configure honeypots, mitigate encrypted crimeware, and identify malicious software groups. The expert authors provide full coverage of legal and ethical issues, operational vetting, and security team management. Establish the goals and scope of your reverse deception campaign Identify, analyze, and block APTs Engage and catch nefarious individuals and their organizations Assemble cyber-profiles, incident analyses, and intelligence reports Uncover, eliminate, and autopsy crimeware, trojans, and botnets Work with intrusion detection, anti-virus, and digital forensics tools Employ stealth honeynet, honeypot, and sandbox technologies Communicate and collaborate with legal teams and law enforcement

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, Web API testing, 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 is for security professionals and penetration testers who want to speed up their modern web application penetrating testing. It will also benefit those at an intermediate level 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 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 techniques Get to know how to test REST APIs to discover security issues in them 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, Web API testing methodologies and XML vectors used by hackers. Some lesser discussed attack vectors such as RPO (relative path overwrite), DOM clobbering, PHP Object Injection and etc. has been covered in this book. We'll explain various old school techniques in depth such as XSS, CSRF, SQL Injection through the ever-dependable SQLMap and reconnaissance. Websites nowadays provide APIs to allow integration with third party applications, thereby exposing a lot of attack surface, we cover testing of these APIs using real-life examples. This pragmatic guide will be a great benefit and will help you prepare fully secure applications. Style and approach This master-level guide covers various techniques serially. It is power-packed with real-world examples that focus more on the practical aspects of implementing the techniques rather going into detailed theory.

4 Manuscripts in 1 Book! Have you always been interested and fascinated by the world of hacking Do you wish to learn more about networking? Do you want to know how to protect your system from being compromised and learn about advanced security protocols?If you

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want to understand how to hack from basic level to advanced, keep reading... This book set includes: Book 1) Hacking for Beginners Step by Step Guide to Cracking codes discipline, penetration testing and computer virus. Learning basic security tools on how to ethical hack and grow Book 2) Hacker Basic Security Learning effective methods of security and how to manage the cyber risks. Awareness program with attack and defense strategy tools. Art of exploitation in hacking. Book 3) Networking Hacking Complete guide tools for computer wireless network technology, connections and communications system. Practical penetration of a network via services and hardware. Book 4) Kali Linux for Hackers Computer hacking guide. Learning the secrets of wireless penetration testing, security tools and techniques for hacking with Kali Linux. Network attacks and exploitation. The first book "Hacking for Beginners" will teach you the basics of hacking as well as the different types of hacking and how hackers think. By reading it, you will not only discover why they are attacking your computers, but you will also be able to understand how they can scan your system and gain access to your computer. The second book "Hacker Basic Security" contains various simple and straightforward strategies to protect your devices both at work and at home and to improve your understanding of security online and fundamental concepts of cybersecurity. The third book "Networking Hacking" will teach you the basics of a computer network, countermeasures that you can use to prevent a social engineering and physical attack and how to assess the physical vulnerabilities within your organization. The fourth book "Kali Linux for Hackers" will help you understand the better use of Kali Linux and it will teach you how you can protect yourself from most common hacking attacks. Kali-Linux is popular among security experts, it allows you to examine your own systems for vulnerabilities and to simulate attacks. Below we explain the most exciting parts of the book set. An introduction to hacking. Google hacking and Web hacking Fingerprinting Different types of attackers Defects in software The basics of a computer network How to select the suitable security assessment tools Social engineering. How to crack passwords. Network security Linux tools Exploitation of security holes The fundamentals and importance of cybersecurity Types of cybersecurity with threats and attacks How to prevent data security breaches Computer virus and prevention techniques Cryptography And there's so much more to learn! Follow me, and let's dive into the world of hacking! Don't keep waiting to start your new journey as a hacker; get started now and order your copy today! Scroll up and click BUY NOW button!

This is an easy-to-follow guide, full of hands-on and real-world examples of applications. Each of the vulnerabilities discussed in the book is accompanied with the practical approach to the vulnerability, and the underlying security issue. This book is intended for all those who are looking to get started in Android security or Android application penetration testing. You don't need to be an Android developer to learn from this book, but it is highly recommended that developers have some experience in order to learn how to create secure applications for Android. This book helps people find sensitive information on the Web. Google is one of the 5 most popular sites on the internet with more than 380 million unique users per month (Nielsen/NetRatings 8/05). But, Google's search capabilities are so powerful, they sometimes discover content that no one ever intended to be publicly available on the Web including: social security numbers, credit card numbers, trade secrets, and federally classified documents. Google Hacking for Penetration Testers Volume 2 shows the art of manipulating Google used by security professionals and system administrators to find this sensitive information and "self-police their own organizations. Readers will learn how Google Maps and Google Earth provide pinpoint military accuracy, see how bad guys can manipulate Google to create super worms, and see how they can "mash up" Google with MySpace, LinkedIn, and more for passive reconnaissance. • Learn Google Searching Basics Explore Google's Web-based Interface, build Google queries, and work with Google URLs. • Use Advanced Operators to Perform Advanced Queries Combine advanced operators and learn about colliding operators and bad search-fu. • Learn the Ways of the Google Hacker See how to use

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caches for anonymity and review directory listings and traversal techniques. • Review Document Grinding and Database Digging See the ways to use Google to locate documents and then search within the documents to locate information. • Understand Google's Part in an Information Collection Framework Learn the principles of automating searches and the applications of data mining. • Locate Exploits and Finding Targets Locate exploit code and then vulnerable targets. • See Ten Simple Security Searches Learn a few searches that give good results just about every time and are good for a security assessment. • Track Down Web Servers Locate and profile web servers, login portals, network hardware and utilities. • See How Bad Guys Troll for Data Find ways to search for usernames, passwords, credit card numbers, social security numbers, and other juicy information. • Hack Google Services Learn more about the AJAX Search API, Calendar, Blogger, Blog Search, and more.

The complete guide to today's hard-to-defend chained attacks: performing them and preventing them Nowadays, it's rare for malicious hackers to rely on just one exploit or tool; instead, they use "chained" exploits that integrate multiple forms of attack to achieve their goals. Chained exploits are far more complex and far more difficult to defend. Few security or hacking books cover them well and most don't cover them at all. Now there's a book that brings together start-to-finish information about today's most widespread chained exploits—both how to perform them and how to prevent them. Chained Exploits demonstrates this advanced hacking attack technique through detailed examples that reflect real-world attack strategies, use today's most common attack tools, and focus on actual high-value targets, including credit card and healthcare data. Relentlessly thorough and realistic, this book covers the full spectrum of attack avenues, from wireless networks to physical access and social engineering. Writing for security, network, and other IT professionals, the authors take you through each attack, one step at a time, and then introduce today's most effective countermeasures— both technical and human. Coverage includes: Constructing convincing new phishing attacks Discovering which sites other Web users are visiting Wreaking havoc on IT security via wireless networks Disrupting competitors' Web sites Performing—and preventing—corporate espionage Destroying secure files Gaining access to private healthcare records Attacking the viewers of social networking pages Creating entirely new exploits and more Andrew Whitaker, Director of Enterprise InfoSec and Networking for Training Camp, has been featured in The Wall Street Journal and BusinessWeek. He coauthored Penetration Testing and Network Defense. Andrew was a winner of EC Council's Instructor of Excellence Award. Keatron Evans is President and Chief Security Consultant of Blink Digital Security, LLC, a trainer for Training Camp, and winner of EC Council's Instructor of Excellence Award. Jack B. Voth specializes in penetration testing, vulnerability assessment, and perimeter security. He co-owns The Client Server, Inc., and teaches for Training Camp throughout the United States and abroad. informit.com/aw Cover photograph © Corbis / Jupiter Images Evade antiviruses and bypass firewalls with the most widely used penetration testing frameworks Key Features Gain insights into the latest antivirus evasion techniques Set up a complete pentesting environment using Metasploit and virtual machines Discover a variety of tools and techniques that can be used with Kali Linux Book Description Penetration testing or ethical hacking is a legal and foolproof way to identify vulnerabilities in your system. With thorough penetration testing, you can secure your system against the majority of threats. This Learning Path starts with an in-depth explanation of what hacking and penetration testing is. You'll gain a deep understanding of classical SQL and command injection flaws, and discover ways to exploit these flaws to secure your system. You'll also learn how to create and

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customize payloads to evade antivirus software and bypass an organization's defenses. Whether it's exploiting server vulnerabilities and attacking client systems, or compromising mobile phones and installing backdoors, this Learning Path will guide you through all this and more to improve your defense against online attacks. By the end of this Learning Path, you'll have the knowledge and skills you need to invade a system and identify all its vulnerabilities. This Learning Path includes content from the following Packt products: Web Penetration Testing with Kali Linux - Third Edition by Juned Ahmed Ansari and Gilberto Najera-Gutierrez Metasploit Penetration Testing Cookbook - Third Edition by Abhinav Singh , Monika Agarwal, et al What you will learn Build and analyze Metasploit modules in Ruby Integrate Metasploit with other penetration testing tools Use server-side attacks to detect vulnerabilities in web servers and their applications Explore automated attacks such as fuzzing web applications Identify the difference between hacking a web application and network hacking Deploy Metasploit with the Penetration Testing Execution Standard (PTES) Use MSFvenom to generate payloads and backdoor files, and create shellcode Who this book is for This Learning Path is designed for security professionals, web programmers, and pentesters who want to learn vulnerability exploitation and make the most of the Metasploit framework. Some understanding of penetration testing and Metasploit is required, but basic system administration skills and the ability to read code are a must.

Build a better defense against motivated, organized, professional attacks Advanced Penetration Testing: Hacking the World's Most Secure Networks takes hacking far beyond Kali linux and Metasploit to provide a more complex attack simulation. Featuring techniques not taught in any certification prep or covered by common defensive scanners, this book integrates social engineering, programming, and vulnerability exploits into a multidisciplinary approach for targeting and compromising high security environments. From discovering and creating attack vectors, and moving unseen through a target enterprise, to establishing command and exfiltrating data—even from organizations without a direct Internet connection—this guide contains the crucial techniques that provide a more accurate picture of your system's defense. Custom coding examples use VBA, Windows Scripting Host, C, Java, JavaScript, Flash, and more, with coverage of standard library applications and the use of scanning tools to bypass common defensive measures. Typical penetration testing consists of low-level hackers attacking a system with a list of known vulnerabilities, and defenders preventing those hacks using an equally well-known list of defensive scans. The professional hackers and nation states on the forefront of today's threats operate at a much more complex level—and this book shows you how to defend your high security network. Use targeted social engineering pretexts to create the initial compromise Leave a command and control structure in place for long-term access Escalate privilege and breach networks, operating systems, and trust structures Infiltrate further using harvested credentials while expanding control Today's threats are organized, professionally-run,

and very much for-profit. Financial institutions, health care organizations, law enforcement, government agencies, and other high-value targets need to harden their IT infrastructure and human capital against targeted advanced attacks from motivated professionals. Advanced Penetration Testing goes beyond Kali linux and Metasploit and to provide you advanced pen testing for high security networks.

The first book to reveal and dissect the technical aspect of many social engineering maneuvers From elicitation, pretexting, influence and manipulation all aspects of social engineering are picked apart, discussed and explained by using real world examples, personal experience and the science behind them to unraveled the mystery in social engineering. Kevin Mitnick—one of the most famous social engineers in the world—popularized the term “social engineering.” He explained that it is much easier to trick someone into revealing a password for a system than to exert the effort of hacking into the system. Mitnick claims that this social engineering tactic was the single-most effective method in his arsenal. This indispensable book examines a variety of maneuvers that are aimed at deceiving unsuspecting victims, while it also addresses ways to prevent social engineering threats. Examines social engineering, the science of influencing a target to perform a desired task or divulge information Arms you with invaluable information about the many methods of trickery that hackers use in order to gather information with the intent of executing identity theft, fraud, or gaining computer system access Reveals vital steps for preventing social engineering threats Social Engineering: The Art of Human Hacking does its part to prepare you against nefarious hackers—now you can do your part by putting to good use the critical information within its pages.

Social EngineeringThe Art of Human HackingJohn Wiley & Sons

Build your own secure enterprise or home penetration testing lab to dig into the various hacking techniques About This Book Design and build an extendable penetration testing lab with wireless access suitable for home and enterprise use Fill the lab with various components and customize them according to your own needs and skill level Secure your lab from unauthorized access and external attacks Who This Book Is For If you are a beginner or a security professional who wishes to learn to build a home or enterprise lab environment where you can safely practice penetration testing techniques and improve your hacking skills, then this book is for you. No prior penetration testing experience is required, as the lab environment is suitable for various skill levels and is used for a wide range of techniques from basic to advance. Whether you are brand new to online learning or you are a seasoned expert, you will be able to set up your own hacking playground depending on your tasks. What You Will Learn Determine your needs and choose the appropriate lab components for them Build a virtual or hardware lab network Imitate an enterprise network and prepare intentionally vulnerable software and services Secure wired and wireless access to your lab Choose a penetration testing

framework according to your needs Arm your own wireless hacking platform Get to know the methods to create a strong defense mechanism for your system In Detail Starting with the basics of wireless networking and its associated risks, we will guide you through the stages of creating a penetration testing lab with wireless access and preparing your wireless penetration testing machine. This book will guide you through configuring hardware and virtual network devices, filling the lab network with applications and security solutions, and making it look and work like a real enterprise network. The resulting lab protected with WPA-Enterprise will let you practice most of the attack techniques used in penetration testing projects. Along with a review of penetration testing frameworks, this book is also a detailed manual on preparing a platform for wireless penetration testing. By the end of this book, you will be at the point when you can practice, and research without worrying about your lab environment for every task. Style and approach This is an easy-to-follow guide full of hands-on examples and recipes. Each topic is explained thoroughly and supplies you with the necessary configuration settings. You can pick the recipes you want to follow depending on the task you need to perform. Individuals wishing to attack a company's network have found a new path of least resistance-the end user. A client-side attack is one that uses the inexperience of the end user to create a foothold in the user's machine and therefore the network. Client-side attacks are everywhere and hidden in plain sight. Common hiding places are malicious Web sites and spam. A simple click of a link will allow the attacker to enter. This book presents a framework for defending your network against these attacks in an environment where it might seem impossible. The most current attacks are discussed along with their delivery methods, such as browser exploitation, use of rich Internet applications, and file format vulnerabilities. The severity of these attacks is examined along with defences against them, including antivirus and anti-spyware, intrusion detection systems, and end-user education. Design and implement your own attack, and test methodologies derived from the approach and framework presented by the authors Learn how to strengthen your network's host- and network-based defense against attackers' number one remote exploit-the client-side attack Defend your network against attacks that target your company's most vulnerable asset-the end user 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

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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.

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.

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Start with the basics of bug hunting and learn more about implementing an offensive approach by finding vulnerabilities in web applications. Getting an introduction to Kali Linux, you will take a close look at the types of tools available to you and move on to set up your virtual lab. You will then discover how request forgery injection works on web pages and applications in a mission-critical setup. Moving on to the most challenging task for any web application, you will take a look at how cross-site scripting works and find out about effective ways to exploit it. You will then learn about header injection and URL redirection along with key tips to find vulnerabilities in them. Keeping in mind how attackers can deface your website, you will work with malicious files and automate your approach to defend against these attacks. Moving on to Sender Policy Framework (SPF), you will see tips to find vulnerabilities in it and exploit them. Following this, you will get to know how unintended XML injection and command injection work to keep attackers at bay. Finally, you will examine different attack vectors used to exploit HTML and SQL injection. Overall, Bug Bounty Hunting for Web Security will help you become a better penetration tester and at the same time it will teach you how to earn bounty by hunting bugs in web applications. What You Will Learn Implement an offensive approach to bug hunting Create and manage request forgery on web pages Poison Sender Policy Framework and exploit it Defend against cross-site scripting (XSS) attacks Inject headers and test URL redirection Work with malicious files and command injection Resist strongly unintended XML attacks Who This Book Is For White-hat hacking enthusiasts who are new to bug hunting and are interested in understanding the core concepts.

Uses real-world bug reports (vulnerabilities in software or in this case web applications) to teach programmers and InfoSec professionals how to discover and protect vulnerabilities in web applications. Real-World Bug Hunting is a field guide to finding software bugs. Ethical hacker Peter Yaworski breaks down common types of bugs, then contextualizes them with real bug bounty reports released by hackers on companies like Twitter, Facebook, Google, Uber, and Starbucks. As you read each report, you'll gain deeper insight into how the vulnerabilities work and how you might find similar ones. Each chapter begins with an explanation of a vulnerability type, then moves into a series of real bug bounty reports that show how the bugs were found. You'll learn things like how Cross-Site Request Forgery tricks users into unknowingly submitting information to websites they are logged into; how to pass along unsafe JavaScript to execute Cross-Site Scripting; how to access another user's data via Insecure Direct Object References; how to trick websites into disclosing information with Server Side Request Forgeries; and how bugs in application logic can lead to pretty serious vulnerabilities. Yaworski also shares advice on how to write effective vulnerability reports and develop relationships with bug bounty programs, as well as recommends hacking tools that can make the job a little easier.

Seven Deadliest Web Application Attacks highlights the vagaries of web security by discussing the seven deadliest vulnerabilities exploited by attackers. This book pinpoints the most dangerous hacks and exploits specific to web applications, laying out the anatomy of these attacks including how to make your system more secure. You will discover the best ways to defend against these vicious hacks with step-by-step instruction and learn techniques to make your computer and network impenetrable. Each chapter presents examples of different attacks conducted against web sites. The methodology behind the attack is explored, showing its potential impact. The chapter then moves on to address possible countermeasures for different aspects of the attack. The book consists of seven chapters that cover the following: the most pervasive and easily exploited vulnerabilities in web sites and web browsers; Structured Query Language (SQL) injection attacks; mistakes of server administrators that expose the web site to attack; brute force attacks; and logic attacks. The ways in which malicious software malware has been growing as a threat on the Web are also considered. This book is intended for information security professionals of all levels, as

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well as web application developers and recreational hackers. Knowledge is power, find out about the most dominant attacks currently waging war on computers and networks globally Discover the best ways to defend against these vicious attacks; step-by-step instruction shows you how Institute countermeasures, don't be caught defenseless again, and learn techniques to make your computer and network impenetrable Threat intelligence is a surprisingly complex topic that goes far beyond the obvious technical challenges of collecting, modelling and sharing technical indicators. Most books in this area focus mainly on technical measures to harden a system based on threat intel data and limit their scope to single organizations only. This book provides a unique angle on the topic of national cyber threat intelligence and security information sharing. It also provides a clear view on ongoing works in research laboratories world-wide in order to address current security concerns at national level. It allows practitioners to learn about upcoming trends, researchers to share current results, and decision makers to prepare for future developments.

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.

A practical guide to testing your infrastructure security with Kali Linux, the preferred choice of pentesters and hackers Key Features Employ advanced pentesting techniques with Kali Linux to build highly secured systems Discover various stealth techniques to remain undetected and defeat modern infrastructures Explore red teaming techniques to exploit secured environment Book Description This book takes you, as a tester or security practitioner, through the reconnaissance, vulnerability assessment, exploitation, privilege escalation, and post-exploitation activities used by pentesters. To start with, you'll use a laboratory environment to validate tools and techniques, along with an application that supports a collaborative approach for pentesting. You'll then progress to passive reconnaissance with open source intelligence and active reconnaissance of the external and internal infrastructure. You'll also focus on how to select, use, customize, and interpret the results from different vulnerability scanners, followed by examining specific routes to the target, which include bypassing physical security and the exfiltration of data using a variety of techniques. You'll discover concepts such as social engineering, attacking wireless networks, web services, and embedded devices. Once you are confident with these topics, you'll learn the practical aspects of attacking user client systems by backdooring with fileless techniques, followed by focusing on the most vulnerable part of the network – directly attacking the end user. By the end of this book, you'll have explored approaches for carrying out advanced pentesting in tightly secured environments, understood pentesting and hacking techniques employed on embedded peripheral devices. What you will learn Configure the most effective Kali Linux tools to test infrastructure security Employ stealth to avoid detection in the infrastructure being tested Recognize when stealth attacks are

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being used against your infrastructure Exploit networks and data systems using wired and wireless networks as well as web services Identify and download valuable data from target systems Maintain access to compromised systems Use social engineering to compromise the weakest part of the network - the end users Who this book is for This third edition of Mastering Kali Linux for Advanced Penetration Testing is for you if you are a security analyst, pentester, ethical hacker, IT professional, or security consultant wanting to maximize the success of your infrastructure testing using some of the advanced features of Kali Linux. Prior exposure of penetration testing and ethical hacking basics will be helpful in making the most out of this book.

Build a resilient network and prevent advanced cyber attacks and breaches Key Features Explore modern cybersecurity techniques to protect your networks from ever-evolving cyber threats Prevent cyber attacks by using robust cybersecurity strategies Unlock the secrets of network security Book Description With advanced cyber attacks severely impacting industry giants and the constantly evolving threat landscape, organizations are adopting complex systems to maintain robust and secure environments. Network Security Strategies will help you get well-versed with the tools and techniques required to protect any network environment against modern cyber threats. You'll understand how to identify security vulnerabilities across the network and how to effectively use a variety of network security techniques and platforms. Next, the book will show you how to design a robust network that provides top-notch security to protect against traditional and new evolving attacks. With the help of detailed solutions and explanations, you'll be able to monitor networks skillfully and identify potential risks. Finally, the book will cover topics relating to thought leadership and the management aspects of network security. By the end of this network security book, you'll be well-versed in defending your network from threats and be able to consistently maintain operational efficiency, security, and privacy in your environment. What you will learn Understand network security essentials, including concepts, mechanisms, and solutions to implement secure networks Get to grips with setting up and threat monitoring cloud and wireless networks Defend your network against emerging cyber threats in 2020 Discover tools, frameworks, and best practices for network penetration testing Understand digital forensics to enhance your network security skills Adopt a proactive approach to stay ahead in network security Who this book is for This book is for anyone looking to explore information security, privacy, malware, and cyber threats. Security experts who want to enhance their skill set will also find this book useful. A prior understanding of cyber threats and information security will help you understand the key concepts covered in the book more effectively.

Metasploit Toolkit for Penetration Testing, Exploit Development, and Vulnerability Research is the first book available for the Metasploit Framework (MSF), which is the attack platform of choice for one of the fastest growing careers in IT security: Penetration Testing. The book will provide professional penetration testers and security researchers with a fully integrated suite of tools for discovering, running, and testing exploit code. This book discusses how to use the Metasploit Framework (MSF) as an exploitation platform. The book begins with a detailed discussion of the three MSF interfaces: msfweb, msfconsole, and msfcli .This chapter demonstrates all of the features offered by the MSF as an exploitation platform. With a solid understanding of MSF's capabilities, the book then details techniques for dramatically reducing the amount of time required for developing functional exploits. By working through a real-world vulnerabilities against popular closed source applications, the reader will learn how to use the tools and MSF to quickly build reliable attacks as standalone exploits. The section will also explain how to integrate an exploit directly into the Metasploit Framework by providing a line-by-line analysis of an integrated exploit module. Details as to how the Metasploit engine drives the behind-the-scenes exploitation process will be covered, and along the way the reader will come to understand the advantages of exploitation frameworks. The final section of the book examines the Meterpreter payload system and

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teaches readers to develop completely new extensions that will integrate fluidly with the Metasploit Framework. A November 2004 survey conducted by "CSO Magazine" stated that 42% of chief security officers considered penetration testing to be a security priority for their organizations. The Metasploit Framework is the most popular open source exploit platform, and there are no competing books. This book provides a roadmap for developing a complete offensive and defensive strategy to engage in or thwart hacking and computer espionage. It helps you understand the principles of the space and look beyond the individual technologies of the moment to develop durable comprehensive solutions. Numerous real-world examples illustrate the offensive and defensive concepts at work, including Conficker, Stuxnet, the Target compromise, and more. You will find clear guidance toward strategy, tools, and implementation, with practical advice on blocking systematic computer espionage and the theft of information from governments, companies, and individuals. --

Bug Bounty Bootcamp teaches you how to hack web applications. You will learn how to perform reconnaissance on a target, how to identify vulnerabilities, and how to exploit them. You'll also learn how to navigate bug bounty programs set up by companies to reward security professionals for finding bugs in their web applications. Bug bounty programs are company-sponsored programs that invite researchers to search for vulnerabilities on their applications and reward them for their findings. This book is designed to help beginners with little to no security experience learn web hacking, find bugs, and stay competitive in this booming and lucrative industry. You'll start by learning how to choose a program, write quality bug reports, and maintain professional relationships in the industry. Then you'll learn how to set up a web hacking lab and use a proxy to capture traffic. In Part 3 of the book, you'll explore the mechanisms of common web vulnerabilities, like XSS, SQL injection, and template injection, and receive detailed advice on how to find them and bypass common protections. You'll also learn how to chain multiple bugs to maximize the impact of your vulnerabilities. Finally, the book touches on advanced techniques rarely covered in introductory hacking books but that are crucial to understand to hack web applications. You'll learn how to hack mobile apps, review an application's source code for security issues, find vulnerabilities in APIs, and automate your hacking process. By the end of the book, you'll have learned the tools and techniques necessary to be a competent web hacker and find bugs on a bug bounty program.

JUMPSTART YOUR NEW AND EXCITING CAREER AS A PENETRATION TESTER The Pentester BluePrint: Your Guide to Being a Pentester offers readers a chance to delve deeply into the world of the ethical, or "white-hat" hacker. Accomplished pentester and author Phillip L. Wylie and cybersecurity researcher Kim Crawley walk you through the basic and advanced topics necessary to understand how to make a career out of finding vulnerabilities in systems, networks, and applications. You'll learn about the role of a penetration tester, what a pentest involves, and the prerequisite knowledge you'll need to start the educational journey of becoming a pentester. Discover how to develop a plan by assessing your current skillset and finding a starting place to begin growing your knowledge and skills. Finally, find out how to become employed as a pentester by using social media, networking strategies, and community involvement. Perfect for IT workers and entry-level information security professionals, The Pentester BluePrint also belongs on the bookshelves of anyone seeking to transition to the exciting and in-demand field of

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penetration testing. Written in a highly approachable and accessible style, The Pentester BluePrint avoids unnecessarily technical lingo in favor of concrete advice and practical strategies to help you get your start in pentesting. This book will teach you: The foundations of pentesting, including basic IT skills like operating systems, networking, and security systems The development of hacking skills and a hacker mindset Where to find educational options, including college and university classes, security training providers, volunteer work, and self-study Which certifications and degrees are most useful for gaining employment as a pentester How to get experience in the pentesting field, including labs, CTFs, and bug bounties

This book is a practical guide to discovering and exploiting security flaws in web applications. The authors explain each category of vulnerability using real-world examples, screen shots and code extracts. The book is extremely practical in focus, and describes in detail the steps involved in detecting and exploiting each kind of security weakness found within a variety of applications such as online banking, e-commerce and other web applications. The topics covered include bypassing login mechanisms, injecting code, exploiting logic flaws and compromising other users. Because every web application is different, attacking them entails bringing to bear various general principles, techniques and experience in an imaginative way. The most successful hackers go beyond this, and find ways to automate their bespoke attacks. This handbook describes a proven methodology that combines the virtues of human intelligence and computerized brute force, often with devastating results. The authors are professional penetration testers who have been involved in web application security for nearly a decade. They have presented training courses at the Black Hat security conferences throughout the world. Under the alias "PortSwigger", Dafydd developed the popular Burp Suite of web application hack tools.

Attacking Network Protocols is a deep dive into network protocol security from James Forshaw, one of the world's leading bug - hunters. This comprehensive guide looks at networking from an attacker's perspective to help you discover, exploit, and ultimately protect vulnerabilities. You'll start with a rundown of networking basics and protocol traffic capture before moving on to static and dynamic protocol analysis, common protocol structures, cryptography, and protocol security. Then you'll turn your focus to finding and exploiting vulnerabilities, with an overview of common bug classes, fuzzing, debugging, and exhaustion attacks. Learn how to:

- Capture, manipulate, and replay packets
- Develop tools to dissect traffic and reverse engineer code to understand the inner workings of a network protocol
- Discover and exploit vulnerabilities such as memory corruptions, authentication bypasses, and denials of service
- Use capture and analysis tools like Wireshark and develop your own custom network proxies to manipulate - network traffic

Attacking Network Protocols is a must-have for any penetration tester, bug hunter, or developer looking to understand and discover network vulnerabilities.

Hackers exploit browser vulnerabilities to attack deep within networks The Browser Hacker's Handbook gives a practical understanding of hacking the everyday web browser and using it as a beachhead to launch further attacks deep into corporate networks. Written by a team of highly experienced computer security experts, the handbook provides hands-on tutorials exploring a range of current attack methods. The web browser has become the most popular and widely used computer "program"

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in the world. As the gateway to the Internet, it is part of the storefront to any business that operates online, but it is also one of the most vulnerable entry points of any system. With attacks on the rise, companies are increasingly employing browser-hardening techniques to protect the unique vulnerabilities inherent in all currently used browsers. The Browser Hacker's Handbook thoroughly covers complex security issues and explores relevant topics such as: Bypassing the Same Origin Policy ARP spoofing, social engineering, and phishing to access browsers DNS tunneling, attacking web applications, and proxying—all from the browser Exploiting the browser and its ecosystem (plugins and extensions) Cross-origin attacks, including Inter-protocol Communication and Exploitation The Browser Hacker's Handbook is written with a professional security engagement in mind. Leveraging browsers as pivot points into a target's network should form an integral component into any social engineering or red-team security assessment. This handbook provides a complete methodology to understand and structure your next browser penetration test.

4 Manuscripts in 1 Book! Have you always been interested and fascinated by the world of hacking? Do you wish to learn more about networking? Do you want to know how to protect your system from being compromised and learn about advanced security protocols? If you want to understand how to hack from basic level to advanced, keep reading... This book set includes: Book 1) Hacking for Beginners: Step by Step Guide to Cracking codes discipline, penetration testing and computer virus. Learning basic security tools on how to ethical hack and grow Book 2) Hacker Basic Security: Learning effective methods of security and how to manage the cyber risks. Awareness program with attack and defense strategy tools. Art of exploitation in hacking. Book 3) Networking Hacking: Complete guide tools for computer wireless network technology, connections and communications system. Practical penetration of a network via services and hardware. Book 4) Kali Linux for Hackers: Computer hacking guide. Learning the secrets of wireless penetration testing, security tools and techniques for hacking with Kali Linux. Network attacks and exploitation. The first book "Hacking for Beginners" will teach you the basics of hacking as well as the different types of hacking and how hackers think. By reading it, you will not only discover why they are attacking your computers, but you will also be able to understand how they can scan your system and gain access to your computer. The second book "Hacker Basic Security" contains various simple and straightforward strategies to protect your devices both at work and at home and to improve your understanding of security online and fundamental concepts of cybersecurity. The third book "Networking Hacking" will teach you the basics of a computer network, countermeasures that you can use to prevent a social engineering and physical attack and how to assess the physical vulnerabilities within your organization. The fourth book "Kali Linux for Hackers" will help you understand the better use of Kali Linux and it will teach you how you can protect yourself from most common hacking attacks. Kali-Linux is popular among security experts, it allows you to examine your own systems for vulnerabilities and to simulate attacks. Below we explain the most exciting parts of the book set. An introduction to hacking. Google hacking and Web hacking Fingerprinting Different types of attackers Defects in software The basics of a computer network How to select the suitable security assessment tools Social engineering. How to crack passwords. Network security Linux tools Exploitation of security holes The fundamentals and

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importance of cybersecurity Types of cybersecurity with threats and attacks How to prevent data security breaches Computer virus and prevention techniques Cryptography And there's so much more to learn! Follow me, and let's dive into the world of hacking! Don't keep waiting to start your new journey as a hacker; get started now and order your copy today!

The only end-to-end guide to securing Apache Web servers and Web applications Apache can be hacked. As companies have improved perimeter security, hackers have increasingly focused on attacking Apache Web servers and Web applications. Firewalls and SSL won't protect you: you must systematically harden your Web application environment. Preventing Web Attacks with Apache brings together all the information you'll need to do that: step-by-step guidance, hands-on examples, and tested configuration files. Building on his groundbreaking SANS presentations on Apache security, Ryan C. Barnett reveals why your Web servers represent such a compelling target, how significant exploits are performed, and how they can be defended against. Exploits discussed include: buffer overflows, denial of service, attacks on vulnerable scripts and programs, credential sniffing and spoofing, client parameter manipulation, brute force attacks, web defacements, and more. Barnett introduces the Center for Internet Security Apache Benchmarks, a set of best-practice Apache security configuration actions and settings he helped to create. He addresses issues related to IT processes and your underlying OS; Apache downloading, installation, and configuration; application hardening; monitoring, and more. He also presents a chapter-length case study using actual Web attack logs and data captured "in the wild." For every sysadmin, Web professional, and security specialist responsible for Apache or Web application security.

This book on computer security threats explores the computer security threats and includes a broad set of solutions to defend the computer systems from these threats. The book is triggered by the understanding that digitalization and growing dependence on the Internet poses an increased risk of computer security threats in the modern world. The chapters discuss different research frontiers in computer security with algorithms and implementation details for use in the real world. Researchers and practitioners in areas such as statistics, pattern recognition, machine learning, artificial intelligence, deep learning, data mining, data analytics and visualization are contributing to the field of computer security. The intended audience of this book will mainly consist of researchers, research students, practitioners, data analysts, and business professionals who seek information on computer security threats and its defensive measures.

Whether you're a veteran or an absolute n00b, this is the best place to start with Kali Linux, the security professional's platform of choice, and a truly industrial-grade, and world-class operating system distribution-mature, secure, and enterprise-ready.

Identify vulnerabilities across applications, network and systems using simplified cybersecurity scripting KEY FEATURES ? Exciting coverage on red teaming methodologies and penetration testing techniques. ? Explore the exploitation development environment and process of creating exploit scripts. ? Includes powerful Python libraries to analyze the web

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and helps identifying critical vulnerabilities. ? Conduct wireless attacks and identify potential threats using Python.

DESCRIPTION This book starts with an understanding of penetration testing and red teaming methodologies and teaches Python 3.x from scratch for those who are not familiar with programming. The book gives the skills of how to create scripts for cracking, and brute force attacks. The second part of this book focuses on the network and wireless level. The book teaches you the skills of how to create an offensive tool using Python 3.x to identify different services and ports using different Python network modules and conducting network attacks. In the network monitoring section, you will be able to monitor layers 3 and 4. And finally, you will be able to conduct different attacks on wireless. The last part of this book focuses on web applications and exploitation developments. It focuses on how to create scripts to extract web information such as links, images, documents, etc. It also focuses on how to create scripts to identify and exploit web vulnerabilities and how to bypass WAF. The last chapter of this book focuses on exploitation development starting with how to play with the stack and then moving on to how to use Python in fuzzing and creating exploitation scripts.

WHAT YOU WILL LEARN ? Learn to code Python scripts from scratch to identify web vulnerabilities. ? Conduct network attacks, create offensive tools, and identify vulnerable services and ports. ? Perform deep monitoring of network up to layers 3 and 4. ? Execute web scraping scripts to extract images, documents, and links.

WHO THIS BOOK IS FOR This book is for Penetration Testers, Security Researchers, Red Teams, Security Auditors and IT Administrators who want to start with an action plan in protecting their IT systems. All you need is some basic understanding of programming concepts and working of IT systems. Hands-on experience with python will be more beneficial but not required.

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Incorporate offense and defense for a more effective networksecurity strategy Network Attacks and Exploitation provides a clear,comprehensive roadmap for developing a complete offensive anddefensive strategy to engage in or thwart hacking and computerespionage. Written by an expert in both government and corporatenvulnerability and security operations, this guide helps youunderstand the principles of the space and look beyond theindividual technologies of the moment to develop durablecomprehensive solutions. Numerous real-world examples illustratethe offensive and defensive concepts at work, including Conficker,Stuxnet, the Target compromise, and more. You will find clearguidance toward strategy, tools, and implementation, with practicaladvice on blocking systematic computer espionage and the theft ofinformation from governments, companies, and individuals. Assaults and manipulation of computer networks are

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rampant around the world. One of the biggest challenges is fitting the ever-increasing amount of information into a whole plan or framework to develop the right strategies to thwart these attacks. This book clears the confusion by outlining the approaches that work, the tools that work, and resources needed to apply them. Understand the fundamental concepts of computer network exploitation. Learn the nature and tools of systematic attacks. Examine offensive strategy and how attackers will seek to maintain their advantage. Understand defensive strategy, and how current approaches fail to change the strategic balance. Governments, criminals, companies, and individuals are all operating in a world without boundaries, where the laws, customs, and norms previously established over centuries are only beginning to take shape. Meanwhile computer espionage continues to grow in both frequency and impact. This book will help you mount a robust offense or a strategically sound defense against attacks and exploitation. For a clear roadmap to better network security, *Network Attacks and Exploitation* is your complete and practical guide.

Cyber-crime increasingly impacts both the online and offline world, and targeted attacks play a significant role in disrupting services in both. Targeted attacks are those that are aimed at a particular individual, group, or type of site or service. Unlike worms and viruses that usually attack indiscriminately, targeted attacks involve intelligence-gathering and planning to a degree that drastically changes its profile. Individuals, corporations, and even governments are facing new threats from targeted attacks. *Targeted Cyber Attacks* examines real-world examples of directed attacks and provides insight into what techniques and resources are used to stage these attacks so that you can counter them more effectively. A well-structured introduction into the world of targeted cyber-attacks. Includes analysis of real-world attacks. Written by cyber-security researchers and experts.

The Basics of Web Hacking introduces you to a tool-driven process to identify the most widespread vulnerabilities in Web applications. No prior experience is needed. Web apps are a "path of least resistance" that can be exploited to cause the most damage to a system, with the lowest hurdles to overcome. This is a perfect storm for beginning hackers. The process set forth in this book introduces not only the theory and practical information related to these vulnerabilities, but also the detailed configuration and usage of widely available tools necessary to exploit these vulnerabilities. *The Basics of Web Hacking* provides a simple and clean explanation of how to utilize tools such as Burp Suite, sqlmap, and Zed Attack Proxy (ZAP), as well as basic network scanning tools such as nmap, Nikto, Nessus, Metasploit, John the Ripper, web shells, netcat, and more. Dr. Josh Pauli teaches software security at Dakota State University and has presented on this topic to the U.S. Department of Homeland Security, the NSA, BlackHat Briefings, and Defcon. He will lead you through a focused, three-part approach to Web security, including hacking the server, hacking the Web app, and hacking the Web user. With Dr. Pauli's approach, you will fully understand the what/where/why/how of the most widespread Web

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vulnerabilities and how easily they can be exploited with the correct tools. You will learn how to set up a safe environment to conduct these attacks, including an attacker Virtual Machine (VM) with all necessary tools and several known-vulnerable Web application VMs that are widely available and maintained for this very purpose. Once you complete the entire process, not only will you be prepared to test for the most damaging Web exploits, you will also be prepared to conduct more advanced Web hacks that mandate a strong base of knowledge. Provides a simple and clean approach to Web hacking, including hands-on examples and exercises that are designed to teach you how to hack the server, hack the Web app, and hack the Web user Covers the most significant new tools such as nmap, Nikto, Nessus, Metasploit, John the Ripper, web shells, netcat, and more! Written by an author who works in the field as a penetration tester and who teaches Web security classes at Dakota State University

While many resources for network and IT security are available, detailed knowledge regarding modern web application security has been lacking—until now. This practical guide provides both offensive and defensive security concepts that software engineers can easily learn and apply. Andrew Hoffman, a senior security engineer at Salesforce, introduces three pillars of web application security: recon, offense, and defense. You'll learn methods for effectively researching and analyzing modern web applications—including those you don't have direct access to. You'll also learn how to break into web applications using the latest hacking techniques. Finally, you'll learn how to develop mitigations for use in your own web applications to protect against hackers. Explore common vulnerabilities plaguing today's web applications Learn essential hacking techniques attackers use to exploit applications Map and document web applications for which you don't have direct access Develop and deploy customized exploits that can bypass common defenses Develop and deploy mitigations to protect your applications against hackers Integrate secure coding best practices into your development lifecycle Get practical tips to help you improve the overall security of your web applications

Web Penetration Testing with Kali Linux contains various penetration testing methods using BackTrack that will be used by the reader. It contains clear step-by-step instructions with lot of screenshots. It is written in an easy to understand language which will further simplify the understanding for the user."Web Penetration Testing with Kali Linux" is ideal for anyone who is interested in learning how to become a penetration tester. It will also help the users who are new to Kali Linux and want to learn the features and differences in Kali versus Backtrack, and seasoned penetration testers who may need a refresher or reference on new tools and techniques. Basic familiarity with web-based programming languages such as PHP, JavaScript and MySQL will also prove helpful.

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