

The Web Application Hackers Handbook Finding And Exploiting Security Flaws

Hack your antivirus software to stamp out future vulnerabilities The Antivirus Hacker's Handbook guides you through the process of reverse engineering antivirus software. You explore how to detect and exploit vulnerabilities that can be leveraged to improve future software design, protect your network, and anticipate attacks that may sneak through your antivirus' line of defense. You'll begin building your knowledge by diving into the reverse engineering process, which details how to start from a finished antivirus software program and work your way back through its development using the functions and other key elements of the software. Next, you leverage your new knowledge about software development to evade, attack, and exploit antivirus software—all of which can help you strengthen your network and protect your data. While not all viruses are damaging, understanding how to better protect your computer against them can help you maintain the integrity of your network. Discover how to reverse engineer your antivirus software Explore methods of antivirus software evasion Consider different ways to attack and exploit antivirus software Understand the current state of the antivirus software market, and get recommendations for users and vendors who are leveraging this software The Antivirus Hacker's Handbook is the essential reference for software reverse engineers, penetration testers, security researchers, exploit writers, antivirus vendors, and software engineers who want to understand how to leverage current antivirus software to improve future applications.

Discover all the security risks and exploits that can threaten iOS-based mobile devices iOS is Apple's mobile operating system for the iPhone and iPad. With the introduction of iOS5, many security issues have come to light. This book explains and discusses them all. The award-winning author team, experts in Mac and iOS security, examines the vulnerabilities and the internals of iOS to show how attacks can be mitigated. The book explains how the operating system works, its overall security architecture, and the security risks associated with it, as well as exploits, rootkits, and other payloads developed for it. Covers iOS security architecture, vulnerability hunting, exploit writing, and how iOS jailbreaks work Explores iOS enterprise and encryption, code signing and memory protection, sandboxing, iPhone fuzzing, exploitation, ROP payloads, and baseband attacks Also examines kernel debugging and exploitation Companion website includes source code and tools to facilitate your efforts iOS Hacker's Handbook arms you with the tools needed to identify, understand, and foil iOS attacks.

Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack. The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems. Then, once you have an understanding of a vehicle's communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, Kayak, can-utils, and ChipWhisperer, The Car Hacker's Handbook will show you how to: -Build an accurate threat model for your vehicle -Reverse engineer the CAN bus to fake engine signals -Exploit vulnerabilities in diagnostic and data-logging systems -Hack the ECU and other firmware and embedded systems -Feed exploits through infotainment and vehicle-to-vehicle communication systems -Override factory settings with performance-tuning techniques -Build physical and virtual test benches to try out exploits safely If you're curious about automotive security and have the urge to hack a two-ton computer, make The Car Hacker's Handbook your first stop.

This practical, tutorial-style book uses the Kali Linux distribution to teach Linux basics with a focus on how hackers would use them. Topics include Linux command line basics, filesystems, networking, BASH basics, package management, logging, and the Linux kernel and drivers. If you're getting started along the exciting path of hacking, cybersecurity, and pentesting, Linux Basics for Hackers is an excellent first step. Using Kali Linux, an advanced penetration testing distribution of Linux, you'll learn the basics of using the Linux operating system and acquire the tools and techniques you'll need to take control of a Linux environment. First, you'll learn how to install Kali on a virtual machine and get an introduction to basic Linux concepts. Next, you'll tackle broader Linux topics like manipulating text, controlling file and directory permissions, and managing user environment variables. You'll then focus in on foundational hacking concepts like security and anonymity and learn scripting skills with bash and Python. Practical tutorials and exercises throughout will reinforce and test your skills as you learn how to: - Cover your tracks by changing your network information and manipulating the rsyslog logging utility - Write a tool to scan for network connections, and connect and listen to wireless networks - Keep your internet activity stealthy using Tor, proxy servers, VPNs, and encrypted email - Write a bash script to scan open ports for potential targets - Use and abuse services like MySQL, Apache web server, and OpenSSH - Build your own hacking tools, such as a remote video spy camera and a password cracker Hacking is complex, and there is no single way in. Why not start at the beginning with Linux Basics for Hackers?

A Practical Guide to Hacking the Internet of Things

Hands on Hacking

The Web Application Hacker's Handbook: Finding And Exploiting Security Flaws, 2nd Ed

Hacking Web Apps

The Tangled Web

The Strategy Behind Breaking into and Defending Networks

The Hacker Playbook 3

Covers everything from illegal aspects to understandable explanations of telecomputing for every modem user. . . .a reference book on many communications subjects.--Computer Shopper. Sold over 40,000 copies in England. Revised U.S. version proven with direct mail success.

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

abeachhead 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" 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.

Provides information on ways to break into and defend seven database servers, covering such topics as identifying vulnerabilities, how an attack is carried out, and how to stop an attack. This much-anticipated revision, written by the ultimate group of top security experts in the world, features 40 percent new content on how to find security holes in any operating system or application New material addresses the many new exploitation techniques that have been discovered since the first edition, including attacking "unbreakable" software packages such as McAfee's Enterscept, Mac OS X, XP, Office 2003, and Vista Also features the first-ever published information on exploiting Cisco's IOS, with content that has never before been explored The companion Web site features downloadable code files

PTFM

Becoming the Hacker

Finding and Exploiting Security Flaws

Books for White Hat Hackers

Discovering and Exploiting Security Holes

Discovering and Exploiting Security Flaws

iOS Hacker's Handbook

Take a practitioner's approach in analyzing the Internet of Things (IoT) devices and the security issues facing an IoT architecture. You'll review the architecture's central components, from hardware communication interfaces, such as UART and SPI, to radio protocols, such as BLE or ZigBee. You'll also learn to assess a device physically by opening it, looking at the PCB, and identifying the chipsets and interfaces. You'll then use that information to gain entry to the device or to perform other actions, such as dumping encryption keys and firmware. As the IoT rises to one of the most popular tech trends, manufacturers need to take necessary steps to secure devices and protect them from attackers. The IoT Hacker's Handbook breaks down the Internet of Things, exploits it, and reveals how these devices can be built securely. What You'll Learn Perform a threat model of a real-world IoT device and locate all possible attacker entry points Use reverse engineering of firmware binaries to identify security issues Analyze, assess, and identify security issues in exploited ARM and MIPS based binaries Sniff, capture, and exploit radio communication protocols, such as Bluetooth Low Energy (BLE), and ZigBee Who This Book is For Those interested in learning about IoT security, such as pentesters working in different domains, embedded device developers, or IT people wanting to move to an Internet of Things security role.

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.

Get in-depth coverage of Web application platforms and their vulnerabilities, presented the same popular format as the international bestseller, Hacking Exposed. Covering hacking scenarios across different programming languages and depicting various types of attacks and countermeasures, this book offers you up-to-date and highly valuable insight into Web application security. "Required reading for Web architects and operators." -- Erik Olson, Microsoft Program Manager, Security, ASP.NET "Just as the original Hacking Exposed revealed the techniques the bad guys were hiding behind, Hacking Exposed Web Applications will do the same for this critical technology. Its methodical approach and appropriate detail will enlighten, educate, and go a long way toward making the Web a safer place in which to do business." -- from the Foreword by Mark Curphey, Chair of

the Open Web Application Security Project "This is a serious technical guide that is also great reading -- scary enough to motivate folks to take Web security seriously but approachable enough to be an effective learning tool. Required reading for Web architects and operators." -- Erik Olson, Program Manager, Security, ASP.NET "What better way to defend against hackers than to understand the tools and techniques that are used to penetrate your site? **Hacking Exposed Web Applications** offers a detailed look at common vulnerabilities within your applications and explains how to protect yourself from them." -- Mike Mullins, Ecommerce Security Engineer for a leading specialty apparel retailer "At last, your personal guide to preventing the next generation of security threats. This book explains in intricate detail how you can do everything right when it comes to network security and still be owned at the Web application layer." -- Chip Andrews, www.sqlsecurity.com "If you're involved in writing Web-based applications using ASP/ASP.NET, Java, JSP, PHP, or other languages, the **Hacking Exposed** series is something you DEFINITELY need to read. Before writing one line of code, this book will spark ideas about how to design and secure your Web applications. There are techniques potential hackers could use that I've never even thought of! Great resource!" -- Steve Schofield, Creator and Managing Editor, ASPFree.com

Modern web applications are built on a tangle of technologies that have been developed over time and then haphazardly pieced together. Every piece of the web application stack, from HTTP requests to browser-side scripts, comes with important yet subtle security consequences. To keep users safe, it is essential for developers to confidently navigate this landscape. In **The Tangled Web**, Michal Zalewski, one of the world's top browser security experts, offers a compelling narrative that explains exactly how browsers work and why they're fundamentally insecure. Rather than dispense simplistic advice on vulnerabilities, Zalewski examines the entire browser security model, revealing weak points and providing crucial information for shoring up web application security. You'll learn how to: -Perform common but surprisingly complex tasks such as URL parsing and HTML sanitization -Use modern security features like Strict Transport Security, Content Security Policy, and Cross-Origin Resource Sharing -Leverage many variants of the same-origin policy to safely compartmentalize complex web applications and protect user credentials in case of XSS bugs -Build mashups and embed gadgets without getting stung by the tricky frame navigation policy -Embed or host user-supplied content without running into the trap of content sniffing For quick reference, "Security Engineering Cheat Sheets" at the end of each chapter offer ready solutions to problems you're most likely to encounter. With coverage extending as far as planned HTML5 features, **The Tangled Web** will help you create secure web applications that stand the test of time.

A Guide for the Penetration Tester

Web Application Security

The Car Hacker's Handbook

-/WAFs..Evasion..Filters//alert (/Obfuscation/)-

Purple Team Field Manual

Practical Guide to Penetration Testing

Go H*ck Yourself

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.

As more and more vulnerabilities are found in the Mac OS X (Leopard) operating system, security researchers are realizing the importance of developing proof-of-concept exploits for those vulnerabilities. This unique tome is the first book to uncover the flaws in the Mac OS X operating system—and how to deal with them. Written by two white hat hackers, this book is aimed at making vital information known so that you can find ways to secure your Mac OS X systems, and examines the sorts of attacks that are prevented by Leopard's security defenses, what attacks aren't, and how to best handle those weaknesses.

Fully-updated for Python 3, the second edition of this worldwide bestseller (over 100,000 copies sold) explores the stealthier side of programming and brings you all new strategies for your hacking projects. When it comes to creating powerful and effective hacking tools, Python is the language of choice for most security analysts. In **Black Hat Python, 2nd Edition**, you'll explore the darker side of Python's capabilities—writing network sniffers, stealing email credentials, brute forcing directories, crafting mutation fuzzers, infecting virtual machines, creating stealthy trojans, and more. The second edition of this bestselling hacking book contains code updated for the latest version of Python 3, as well as new techniques that reflect current

industry best practices. You'll also find expanded explanations of Python libraries such as ctypes, struct, lxml, and BeautifulSoup, and dig deeper into strategies, from splitting bytes to leveraging computer-vision libraries, that you can apply to future hacking projects. You'll learn how to:

- Create a trojan command-and-control using GitHub*
- Detect sandboxing and automate common malware tasks, like keylogging and screenshotting*
- Escalate Windows privileges with creative process control*
- Use offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machine*
- Extend the popular Burp Suite web-hacking tool*
- Abuse Windows COM automation to perform a man-in-the-browser attack*
- Exfiltrate data from a network most sneakily*

When it comes to offensive security, your ability to create powerful tools on the fly is indispensable. Learn how with the second edition of Black Hat Python. New to this edition: All Python code has been updated to cover Python 3 and includes updated libraries used in current Python applications. Additionally, there are more in-depth explanations of the code and the programming techniques have been updated to current, common tactics. Examples of new material that you'll learn include how to sniff network traffic, evade anti-virus software, brute-force web applications, and set up a command-and-control (C2) system using GitHub.

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

A Field Guide to Web Hacking

Gray Hat Hacking, Second Edition

Real-World Bug Hunting

The Hacker's Handbook

Detecting and Preventing Web Application Security Problems

The Database Hacker's Handbook

The Mobile Application Hacker's Handbook

The Web Application Hacker's Handbook Finding and Exploiting Security Flaws John Wiley & Sons

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 intercept 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.

Defend your networks and data from attack with this unique two-book security set The Attack and Defend Computer Security Set is a two-book set comprised of the first and second edition of Web Application Hacker's Handbook and Malware Analyst's Cookbook. This special security bundle combines coverage of the two most crucial tactics used to defend networks, applications, and data from attack while giving security professionals insight into the underlying details of these attacks themselves. The Web Application Hacker's Handbook takes a broad look at web application security and exposes the steps a hacker can take to attack an application, while providing information on how an application can defend itself. Fully updated for the latest security trends and threats, this guide covers remoting frameworks, HTML5, and cross-domain integration techniques along with clickjacking, framebusting, HTTP parameter pollution, XML external entity injection, hybrid file attacks, and more. The Malware Analyst's Cookbook includes a book and DVD and is designed to enhance the analytical capabilities of anyone who works with malware. Whether you're tracking a Trojan across networks, performing an in-memory analysis, or inspecting a machine for potential infections, the recipes in this book will help you go beyond the basic tools for tackling security challenges to cover them. You'll also learn how to extend your favorite tools or build your own from scratch using C, Python, and Perl source code. The companion DVD features all the files needed to work through the r

the book and to complete reverse-engineering challenges along the way. The Attack and Defend Computer Security Set gives your organization the security tools needed to sound the alarm and stand your ground against malicious threats lurking online.

Learn how people break websites and how you can, too. Real-World Bug Hunting is the premier field guide to finding software bugs. Whether you're a cyber-security beginner who wants to make the internet safer or a seasoned developer who wants to write secure code, ethical hacker Peter Yaworski will show you how it's done. You'll learn about the most common types of bugs like cross-site scripting, insecure direct object references, and server-side request forgery. Using real-life case studies of rewarded vulnerabilities from applications like Twitter, Facebook, Google, and Uber, you'll see how hackers manage to invoke race conditions while transferring money, use URL parameter to cause users to like unintended tweets, and more. Each chapter introduces a vulnerability type accompanied by a series of actual reported bug bounties. The book's collection of stories from the field will teach you how attackers trick users into giving away their sensitive information and how sites may reveal their vulnerabilities to savvy users. You'll even learn how you could turn your challenging new hobby into a successful career. You'll learn:

- How the internet works and basic web hacking concepts
- How attackers compromise websites
- How to identify functionality commonly associated with vulnerabilities
- How to find bug bounty programs and submit effective vulnerability reports

Real-World Bug Hunting is a fascinating soup-to-nuts primer on web security vulnerabilities, filled with stories from the trenches and practical wisdom. With your new understanding of security and weaknesses, you can help make the web a safer place--and profit while you're at it.

Web Application Security, A Beginner's Guide

Web Application Obfuscation

The Playbook for Getting Inside the Mind of the Attacker

Ethical Hacking and Web Hacking Handbook and Study Guide Set

Web Hacking 101

Web Applications

The Guide to Finding and Reporting Web Vulnerabilities

Red teams can show flaws that exist in your network before they are compromised by malicious actors and blue teams traditionally assess current security measures and identify security flaws. The teams can provide valuable feedback to each other, but this is often overlooked, enter the purple team. The purple team allows for the integration of red team tactics and blue team security measures. The purple team field manual is a manual for all security professionals and integrates red and blue team methodologies.

The highly successful security book returns with a new edition, completely updated Web applications are the front door to most organizations, exposing them to attacks that may disclose personal information, execute fraudulent transactions, or compromise ordinary users. This practical book has been completely updated and revised to discuss the latest step-by-step techniques for attacking and defending the range of ever-evolving web applications. You'll explore the various new technologies employed in web applications that have appeared since the first edition and review the new attack techniques that have been developed, particularly in relation to the client side. Reveals how to overcome the new technologies and techniques aimed at defending web applications against attacks that have appeared since the previous edition Discusses new remoting frameworks, HTML5, cross-domain integration techniques, UI redress, framebusting, HTTP parameter pollution, hybrid file attacks, and more Features a companion web site hosted by the authors that allows readers to try out the attacks described, gives answers to the questions that are posed at the end of each chapter, and provides a summarized methodology and checklist of tasks Focusing on the areas of web application security where things have changed in recent years, this book is the most current resource on the critical topic of discovering, exploiting, and preventing web application security flaws. Also available as a set with, CEHV8: Certified Hacker Version 8 Study Guide, Ethical Hacking and Web Hacking Set, 9781119072171.

This text introduces the spirit and theory of hacking as well as the science behind it all; it also provides some core techniques and tricks of hacking so you can think like a hacker, write your own hacks or thwart potential system attacks.

HTML5 -- HTML injection & cross-site scripting (XSS) -- Cross-site request forgery (CSRF) -- SQL injection & data store manipulation -- Breaking authentication schemes -- Abusing design deficiencies -- Leveraging platform weaknesses -- Browser & privacy attacks.

The Mac Hacker's Handbook

Android Hacker's Handbook

The Shellcoder's Handbook

Hacking- The art Of Exploitation

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Black Hat Python, 2nd Edition

Web Application Defender's Cookbook

Security Smarts for the Self-Guided IT Professional “Get to know the hackers—or plan on getting hacked. Sullivan and Liu have created a savvy, essentials-based approach to web app security packed with immediately applicable tools for any information security practitioner sharpening his or her tools or just starting out.” —Ryan McGeehan, Security Manager, Facebook, Inc. **Secure web applications from today's most devious hackers. Web Application Security: A Beginner's Guide helps you stock your security toolkit, prevent common hacks, and defend quickly against malicious attacks. This practical resource includes chapters on authentication, authorization, and session management, along with browser, database, and file security--all supported by true stories from industry. You'll also get best practices for vulnerability detection and secure development, as well as a chapter that covers essential security fundamentals. This book's templates,**

checklists, and examples are designed to help you get started right away. Web Application Security: A Beginner's Guide features: Lingo--Common security terms defined so that you're in the know on the job IMHO--Frank and relevant opinions based on the authors' years of industry experience Budget Note--Tips for getting security technologies and processes into your organization's budget In Actual Practice--Exceptions to the rules of security explained in real-world contexts Your Plan--Customizable checklists you can use on the job now Into Action--Tips on how, why, and when to apply new skills and techniques at work

The first comprehensive guide to discovering and preventing attacks on the Android OS As the Android operating system continues to increase its share of the smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed for various system components, preparing you to defend against them. If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox. A crack team of leading Android security researchers explain Android security risks, security design and architecture, rooting, fuzz testing, and vulnerability analysis Covers Android application building blocks and security as well as debugging and auditing Android apps Prepares mobile device administrators, security researchers, Android app developers, and security consultants to defend Android systems against attack Android Hacker's Handbook is the first comprehensive resource for IT professionals charged with smartphone security.

Web penetration testing by becoming an ethical hacker. Protect the web by learning the tools, and the tricks of the web application attacker. Key Features Builds on books and courses on penetration testing for beginners Covers both attack and defense perspectives Examines which tool to deploy to suit different applications and situations Book Description Becoming the Hacker will teach you how to approach web penetration testing with an attacker's mindset. While testing web applications for performance is common, the ever-changing threat landscape makes security testing much more difficult for the defender. There are many web application tools that claim to provide a complete survey and defense against potential threats, but they must be analyzed in line with the security needs of each web application or service. We must understand how an attacker approaches a web application and the implications of breaching its defenses. Through the first part of the book, Adrian Pruteanu walks you through commonly encountered vulnerabilities and how to take advantage of them to achieve your goal. The latter part of the book shifts gears and puts the newly learned techniques into practice, going over scenarios where the target may be a popular content management system or a containerized application and its network. Becoming the Hacker is a clear guide to web application security from an attacker's point of view, from which both sides can benefit. What you will learn Study the mindset of an attacker Adopt defensive strategies Classify and plan for standard web application security threats Prepare to combat standard system security problems Defend WordPress and mobile applications Use security tools and plan for defense against remote execution Who this book is for The reader should have basic security experience, for example, through running a network or encountering security issues during application development. Formal education in security is useful, but not required. This title is suitable for people with at least two years of experience in development, network management, or DevOps, or with an established interest in security.

Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 13 new chapters, Gray Hat Hacking, The Ethical Hacker's Handbook, Fifth Edition explains the enemy's current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-try testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. And the new topic of exploiting the Internet of things is introduced in this edition. •Build and launch spoofing exploits with Ettercap •Induce error conditions and crash software using fuzzers •Use advanced reverse engineering to exploit Windows and Linux software •Bypass Windows Access Control and memory protection schemes •Exploit web applications with Padding Oracle Attacks •Learn the use-after-free technique used in recent zero days •Hijack web browsers with advanced XSS attacks •Understand ransomware and how it takes control of your desktop •Dissect Android malware with JEB and DAD decompilers •Find one-day vulnerabilities with binary diffing •Exploit wireless systems with Software Defined Radios (SDR) •Exploit Internet of things devices •Dissect and exploit embedded devices •Understand bug bounty programs •Deploy next-generation honeypots •Dissect ATM malware and analyze common ATM attacks •Learn the business side of ethical hacking

Automated Threat Handbook

The Antivirus Hacker's Handbook

A Guide to Securing Modern Web Applications

Gray Hat Hacking: The Ethical Hacker's Handbook, Fifth Edition

The Browser Hacker's Handbook

The Web Application Hacker's Handbook, 2nd Edition

Introduction -- HTML -- JavaScript and VBScript -- Nonalphanumeric JavaScript -- CSS -- PHP -- SQL -- Web application firewalls and client-side filters -- Mitigating bypasses and attacks -- Future developments.

Learn firsthand just how easy a cyberattack can be. Go H*ck Yourself is an eye-opening, hands-on introduction to the world of hacking, from an award-winning cybersecurity coach. As you perform common attacks against yourself, you'll be shocked by how easy they are to carry out—and realize just how vulnerable most people really are. You'll be guided through setting up a virtual hacking lab so you can safely try out attacks without putting yourself or others at risk. Then step-by-step instructions will walk you through executing every major type of attack, including physical access hacks, Google hacking and reconnaissance, social engineering and phishing, malware, password cracking, web hacking, and phone hacking. You'll even hack a virtual car! You'll experience each hack from the point of view of both the attacker and the target. Most importantly, every hack is grounded in real-life examples and paired with practical cyber defense tips, so you'll understand how

to guard against the hacks you perform. You'll learn:

- How to practice hacking within a safe, virtual environment
- How to use popular hacking tools the way real hackers do, like Kali Linux, Metasploit, and John the Ripper
- How to infect devices with malware, steal and crack passwords, phish for sensitive information, and more
- How to use hacking skills for good, such as to access files on an old laptop when you can't remember the password
- Valuable strategies for protecting yourself from cyber attacks

You can't truly understand cyber threats or defend against them until you've experienced them firsthand. By hacking yourself before the bad guys do, you'll gain the knowledge you need to keep you and your loved ones safe.

Back for the third season, The Hacker Playbook 3 (THP3) takes your offensive game to the pro tier. With a combination of new strategies, attacks, exploits, tips and tricks, you will be able to put yourself in the center of the action toward victory. The main purpose of this book is to answer questions as to why things are still broken. For instance, with all the different security products, secure code reviews, defense in depth, and penetration testing requirements, how are we still seeing massive security breaches happening to major corporations and governments? The real question we need to ask ourselves is, are all the safeguards we are putting in place working? This is what The Hacker Playbook 3 - Red Team Edition is all about. By now, we are all familiar with penetration testing, but what exactly is a Red Team? Red Teams simulate real-world, advanced attacks to test how well your organization's defensive teams respond if you were breached. They find the answers to questions like: Do your incident response teams have the right tools, skill sets, and people to detect and mitigate these attacks? How long would it take them to perform these tasks and is it adequate? This is where you, as a Red Teamer, come in to accurately test and validate the overall security program. THP3 will take your offensive hacking skills, thought processes, and attack paths to the next level. This book focuses on real-world campaigns and attacks, exposing you to different initial entry points, exploitation, custom malware, persistence, and lateral movement--all without getting caught! This heavily lab-based book will include multiple Virtual Machines, testing environments, and custom THP tools. So grab your helmet and let's go break things! For more information, visit <http://thehackerplaybook.com/about/>.

See your app through a hacker's eyes to find the real sources of vulnerability The Mobile Application Hacker's Handbook is a comprehensive guide to securing all mobile applications by approaching the issue from a hacker's point of view. Heavily practical, this book provides expert guidance toward discovering and exploiting flaws in mobile applications on the iOS, Android, Blackberry, and Windows Phone platforms. You will learn a proven methodology for approaching mobile application assessments, and the techniques used to prevent, disrupt, and remediate the various types of attacks. Coverage includes data storage, cryptography, transport layers, data leakage, injection attacks, runtime manipulation, security controls, and cross-platform apps, with vulnerabilities highlighted and detailed information on the methods hackers use to get around standard security. Mobile applications are widely used in the consumer and enterprise markets to process and/or store sensitive data. There is currently little published on the topic of mobile security, but with over a million apps in the Apple App Store alone, the attack surface is significant. This book helps you secure mobile apps by demonstrating the ways in which hackers exploit weak points and flaws to gain access to data. Understand the ways data can be stored, and how cryptography is defeated Set up an environment for identifying insecurities and the data leakages that arise Develop extensions to bypass security controls and perform injection attacks Learn the different attacks that apply specifically to cross-platform apps IT security breaches have made big headlines, with millions of consumers vulnerable as major corporations come under attack. Learning the tricks of the hacker's trade allows security professionals to lock the app up tight. For better mobile security and less vulnerable data, The Mobile Application Hacker's Handbook is a practical, comprehensive guide.

The Web Application Hacker's Handbook

Linux Basics for Hackers

Battling Hackers and Protecting Users

Python Programming for Hackers and Pentesters

Exploitation and Countermeasures for Modern Web Applications

Defending Database Servers

Bug Bounty Bootcamp

This handbook reveals those aspects of hacking least understood by network administrators. It analyzes subjects through a hacking/security dichotomy that details hacking maneuvers and defenses in the same context. Chapters are organized around specific components and tasks, providing theoretical background that prepares network defenders for the always-changing tools and techniques of intruders. Part I introduces programming, protocol, and attack concepts. Part II addresses subject areas (protocols, services, technologies, etc.) that may be vulnerable. Part III details consolidation activities that hackers may use following penetration.

"A fantastic book for anyone looking to learn the tools and techniques needed to break in and stay in." --Bruce Potter, Founder, The Shmoo Group "Very highly recommended whether you are a seasoned professional or just starting out in the security business." --Simple Nomad, Hacker

Save almost 30% on this two book set. CEHv8: Certified Ethical Hacker Version 8 Study Guide by Sean-Philip Oriyano is the book you need when you're ready to tackle this challenging exam. Security professionals remain in high demand. The Certified Ethical Hacker is a one-of-a-kind certification designed to give the candidate a look inside the mind of a hacker. This study guide provides a concise, easy-to-follow approach that covers all of the exam objectives and includes numerous examples and hands-on exercises. Coverage includes cryptography, foot printing and reconnaissance, scanning networks, enumeration of services, gaining access to a system, Trojans, viruses, worms, covert channels, and much more. A companion website includes additional study tools such as a practice exam and chapter review questions and electronic flashcards The Web Application Hacker's Handbook: Finding and Exploiting Security Flaws, 2nd Edition by Dafydd Stuttard and Marcus Pinto reveals the latest step-by-step techniques for attacking and defending the range of ever-evolving web applications. You'll explore the various new technologies employed in web applications that have appeared since the first edition and review the new attack techniques that have been developed, particularly in relation to the client side. Reveals how to overcome the new technologies and techniques aimed at defending web applications against attacks that have appeared since the previous edition Discusses new remoting frameworks, HTML5, cross-domain integration techniques, UI redress, framebusting, HTTP parameter pollution, hybrid file attacks, and more Features a companion web site hosted by the authors that allows readers to try out the attacks described, gives answers to the questions that are posed at the end of each chapter, and provides a summarized methodology and checklist of tasks Together these two books offer both the foundation and the current best practices for any professional in the field of computer security. Individual Volumes CEH: Certified Ethical Hacker Version 8 Study Guide by Sean-Philip Oriyano US \$49.99 The Web Application Hacker's Handbook: Finding and Exploiting Security Flaws, 2nd Edition by Dafydd Stuttard, Marcus Pinto US \$50.00

Have you always been interested and fascinated by the world of hacking? Do you wish to learn more about networking? Do you wish to learn web hacking? 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... 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!

Getting Started with Networking, Scripting, and Security in Kali

Attack and Defend Computer Security Set

A Simple Introduction to Cyber Attacks and Defense

Hacking Exposed

The IoT Hacker's Handbook

A fast, hands-on introduction to offensive hacking techniques Hands-On Hacking teaches readers to see through the eyes of their adversary and apply hacking techniques to better understand real-world risks to computer networks and data. Readers will benefit from the author's years of experience in the field hacking into computer networks and ultimately training others in the art of cyber-attacks. This book holds no punches and explains the tools, tactics and procedures used by ethical hackers and criminal crackers alike. We will take you on a journey through a hacker's perspective when focused on the computer infrastructure of a target company, exploring how to access the servers and data. Once the information gathering stage is complete, you'll look for flaws and their known exploits—including tools developed by real-world government financed state-actors. • An introduction to the same hacking techniques that malicious hackers will use against an organization • Written by infosec experts with proven history of publishing vulnerabilities and highlighting security flaws • Based on the tried and tested material used to train hackers all over the world in the art of breaching networks • Covers the fundamental basics of how computer networks are inherently vulnerable to attack, teaching the student how to apply hacking skills to uncover vulnerabilities We cover topics of breaching a company from the external network perimeter, hacking internal enterprise systems and web application vulnerabilities. Delving into the basics of exploitation with real-world practical examples, you won't find any hypothetical academic only attacks here. From start to finish this book will take the student through the steps necessary to breach an organization to improve its security. Written by world-renowned cybersecurity experts and educators, Hands-On Hacking teaches entry-level professionals seeking to learn ethical hacking techniques. If you are looking to understand penetration testing and ethical hacking, this book takes you from basic methods to advanced techniques in a structured learning format.