

The Web Application Hackers Handbook Finding And Exploiting Security Flaws

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. 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 book is an introduction for the reader into the wonderful world of embedded device exploitation. The book is supposed to be a tutorial guide that helps a reader understand the various skills required for hacking an embedded device. As the world is getting more and more into the phenomenon of "Internet of Things", such skill sets can be useful to hack from a simple intelligent light bulb to hacking into a car.

This book constitutes the refereed proceedings of the 32nd IFIP WG 6.1 International Conference on Testing Software and Systems, ICTSS 2020, which was supposed to be held in Naples, Italy, in December 2020, but was held virtually due to the COVID-19 pandemic. The 17 regular papers and 4 short papers presented were carefully reviewed and selected from 43 submissions. ICTSS is a series of international conferences addressing the conceptual, theoretic, and practical problems of testing software systems, including communication protocols, services, distributed platforms, middleware, embedded and cyber-physical systems, and security infrastructures. The papers are organized in the topical sections named: model-based testing; security testing; testing methods and applications; testing methods and automation; and short contributions.

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

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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

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..

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.

PRODUCT DESCRIPTION ModSecurity Handbook is the definitive guide to ModSecurity, a popular open source web application firewall. Written by Ivan Ristic, who designed and wrote much of ModSecurity, this book will teach you everything you need to know to monitor the activity on your web sites and protect them from attack. Situated between your web sites and the world, web application firewalls provide an additional security layer, monitoring everything that comes in and everything that goes out. They enable you to perform many advanced activities, such as real-time application security monitoring, access control, virtual patching, HTTP traffic logging, continuous passive security assessment, and web application hardening. They can be very effective in preventing application security attacks, such as cross-site scripting, SQL injection, remote file inclusion, and others. Considering that most web sites today suffer from one problem or another, ModSecurity Handbook will help anyone who has a web site to run. The topics covered include:

- Installation and configuration of ModSecurity
- Logging of complete HTTP traffic
- Rule writing, in detail
- IP address, session, and user tracking
- Session management hardening
- Whitelisting, blacklisting, and IP reputation management
- Advanced blocking strategies
- Integration with other Apache modules
- Working with rule sets
- Virtual patching
- Performance considerations
- Content injection

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XML inspection - Writing rules in Lua - Extending ModSecurity in C The book is suitable for all reader levels: it contains step-by-step installation and configuration instructions for those just starting out, as well as detailed explanations of the internals and discussion of advanced techniques for seasoned users. The official ModSecurity Reference Manual is included in the second part of the book. A digital version is available. For more information and to access the online companion, go to www.modsecurityhandbook.com ABOUT THE AUTHOR Ivan Ristic is a respected security expert and author, known especially for his contribution to the web application firewall field and the development of ModSecurity, the open source web application firewall. He is also the author of Apache Security, a comprehensive security guide for the Apache web server. A frequent speaker at computer security conferences, Ivan is an active participant in the application security community, a member of the Open Web Application Security Project, and an officer of the Web Application Security Consortium.

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 12 new chapters, Gray Hat Hacking: The Ethical Hacker's Handbook, Fourth Edition explains the enemy's current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-deploy 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. Build and launch spoofing exploits with Ettercap and Evilgrade Induce error conditions and crash software using fuzzers Hack Cisco routers, switches, and network hardware Use advanced reverse engineering to exploit Windows and Linux software Bypass Windows Access Control and memory protection schemes Scan for flaws in Web applications using Fiddler and the x5 plugin Learn the use-after-free technique used in recent zero days Bypass Web authentication via MySQL type conversion and MD5 injection attacks Inject your shellcode into a browser's memory using the latest Heap Spray techniques Hijack Web browsers with Metasploit and the BeEF Injection Framework Neutralize ransomware before it takes control of your desktop Dissect Android malware with JEB and DAD decompilers Find one-day vulnerabilities with binary diffing Tribal Knowledge from the Best in Cybersecurity Leadership The Tribe of Hackers series continues, sharing what CISSPs, CISOs, and other security leaders need to know to build solid cybersecurity teams and keep organizations secure. Dozens of experts and influential security specialists reveal their best strategies for building, leading, and managing information security within organizations. Tribe of Hackers Security Leaders follows the same bestselling format as the original Tribe of Hackers, but with a detailed focus on how information security leaders impact organizational security. Information security is becoming more important and more valuable all the time. Security breaches can be costly, even shutting businesses and governments down, so security leadership is a high-stakes game. Leading teams of hackers is not always easy, but the future of your organization may depend on it. In this book, the world's top security experts answer the questions that Chief Information Security Officers and other security leaders are asking, including: What's the most important decision you've made or action you've taken to enable a business risk? How do you lead your team to execute and get results? Do you have a workforce philosophy or unique approach to talent acquisition? Have you created a cohesive strategy for your information security program or business unit? Anyone in or aspiring to an information security leadership role, whether at a team level or organization-wide, needs to read this book. Tribe of Hackers Security Leaders has the real-world advice and practical guidance you need to advance your cybersecurity leadership career.

"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

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are a seasoned professional or just starting out in the security business." --Simple Nomad, Hacker

Note: This book is available in several languages: Dutch, English. Voor trainers is er gratis extra materiaal bij dit boek beschikbaar. Dit is te vinden onder het tabblad Training Material . Log in met uw trainersaccount om het materiaal te raadplegen. Dit boek is de tweede herziene druk van de officiële uitgave van ASL BiSL Foundation dat het Framework BiSL® beschrijft. De eerste druk van dit boek dateert uit februari 2005. Sinds de publicatie van BiSL was er grote belangstelling voor dit framework. Veel organisaties gebruiken het procesmodel van de best practices van BiSL. Een groot aantal mensen heeft een training gevolgd over BiSL en het BiSL Foundation examen afgelegd. De belangrijkste wijzigingen die in deze tweede druk zijn doorgevoerd, zijn: verbeterde (meer consistente) schrijfwijze van formuleringen en begrippen; tekstuele aanpassingen om de inhoud beter toegankelijk te maken; consequent doorgevoerde schrijfwijze voor alle benamingen van Procesclusters, Processen en Activiteiten. uitvoering met steunkleur, waardoor de leesbaarheid van met name de illustraties is verbeterd, en de lay-out aantrekkelijker is geworden. BiSL geeft invulling aan de processen en activiteiten die noodzakelijk zijn om de informatievoorziening vanuit de business, dat wil zeggen vanuit gebruikers- en bedrijfsoptiek te sturen. Het is een samenhangend framework, met aandacht voor zowel operationele, tactische en strategische processen, alsmede voor de onderlinge relaties. In dit boek worden het BiSL-framework en de processen daarbinnen beschreven. Het biedt uitgebreide uitleg van alle aspecten en geeft handvatten om er zelf in de eigen organisatie mee aan de slag te gaan. Het boek is geschreven voor o.a. business-informatiemanagers, functioneel beheerders, informatiemanagers, systeemeigenaren, CIO's, businessmanagers en -consultants. Dit boek is officiële literatuur voor het BiSL Foundation examen van APMG

This open access book provides the first comprehensive collection of papers that provide an integrative view on cybersecurity. It discusses theories, problems and solutions on the relevant ethical issues involved. This work is sorely needed in a world where cybersecurity has become indispensable to protect trust and confidence in the digital infrastructure whilst respecting fundamental values like equality, fairness, freedom, or privacy. The book has a strong practical focus as it includes case studies outlining ethical issues in cybersecurity and presenting guidelines and other measures to tackle those issues. It is thus not only relevant for academics but also for practitioners in cybersecurity such as providers of security software, governmental CERTs or Chief Security Officers in companies.

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 tales 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

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new understanding of site security and weaknesses, you can help make the web a safer place--and profit while you're at it.

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

Tribe of Hackers: Cybersecurity Advice from the Best Hackers in the World (9781119643371) was previously published as Tribe of Hackers: Cybersecurity Advice from the Best Hackers in the World (9781793464187). While this version features a new cover design and introduction, the remaining content is the same as the prior release and should not be considered a new or updated product. Looking for real-world advice from leading cybersecurity experts? You've found your tribe. Tribe of Hackers: Cybersecurity Advice from the Best Hackers in the World is your guide to joining the ranks of hundreds of thousands of cybersecurity professionals around the world. Whether you're just joining the industry, climbing the corporate ladder, or considering consulting, Tribe of Hackers offers the practical know-how, industry perspectives, and technical insight you need to succeed in the rapidly growing information security market. This unique guide includes inspiring interviews from 70 security experts, including Lesley Carhart, Ming Chow, Bruce Potter, Robert M. Lee, and Jayson E. Street. Get the scoop on the biggest cybersecurity myths and misconceptions about security Learn what qualities and credentials you need to advance in the cybersecurity field Uncover which life hacks are worth your while Understand how social media and the Internet of Things has changed cybersecurity Discover what it takes to make the move from the corporate world to your own cybersecurity venture Find your favorite hackers online and continue the conversation Tribe of Hackers is a must-have resource for security professionals who are looking to advance their careers, gain a fresh perspective, and get serious about cybersecurity with thought-provoking insights from the world's most noteworthy hackers and influential security specialists.

Explore every nook and cranny of the Android OS to modify your device and guard it against security threats About This Book Understand and counteract against offensive security threats to your applications Maximize your device's power and potential to suit your needs and curiosity See exactly how your smartphone's OS is put together (and where the seams are) Who This Book Is For This book is for anyone who wants to learn about Android security. Software developers, QA professionals, and beginner- to intermediate-level security professionals will find this book helpful. Basic knowledge of Android programming would be a plus. What You Will Learn Acquaint yourself with the fundamental building blocks of Android Apps in the right way Pentest Android apps and perform various attacks in the real world using real case studies Take a look at how your personal data can be stolen by malicious attackers Understand the offensive maneuvers that hackers use Discover how to defend against threats Get to know the basic concepts of Android rooting See how developers make mistakes that allow attackers to steal data from phones Grasp ways to secure your Android apps and devices Find out how remote attacks are possible on Android devices In Detail With the mass explosion of Android mobile phones in the world, mobile devices have become an integral part of our everyday lives. Security of Android devices is a broad subject that should be part of our everyday lives to defend against ever-growing smartphone attacks. Everyone, starting with end users all the way up to developers and security professionals should care about android security. Hacking Android is a step-by-step guide that will get you started with Android security. You'll begin your journey at the absolute basics, and then will slowly gear up to the concepts of Android rooting, application security assessments, malware, infecting APK files, and fuzzing. On this journey you'll get to grips with various tools and techniques that can be used in your everyday pentests. You'll gain the skills necessary to perform Android application vulnerability assessment and penetration testing and will create an Android pentesting lab. Style and approach This comprehensive guide takes a step-by-step approach and is explained in a conversational and easy-to-follow style. Each topic is explained sequentially in the process of

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performing a successful penetration test. We also include detailed explanations as well as screenshots of the basic and advanced concepts.

An example-driven approach to securing Oracle APEX applications As a Rapid Application Development framework, Oracle Application Express (APEX) allows websites to easily be created based on data within an Oracle database. Using only a web browser, you can develop and deploy professional applications that are both fast and secure. However, as with any website, there is a security risk and threat, and securing APEX applications requires some specific knowledge of the framework. Written by well-known security specialists Rex, this book shows you the correct ways to implement your APEX applications to ensure that they are not vulnerable to attacks. Real-world examples of a variety of security vulnerabilities demonstrate attacks and show the techniques and best practices for making applications secure. Divides coverage into four sections, three of which cover the main classes of threat faced by web applications and the fourth covers an APEX-specific protection mechanism Addresses the security issues that can arise, demonstrating secure application design Examines the most common class of vulnerability that allows attackers to invoke actions on behalf of other users and access sensitive data The lead-by-example approach featured in this critical book teaches you basic "hacker" skills in order to show you how to validate and secure your APEX applications.

This book provides an in-depth exploration of the phenomenon of hacking from a multidisciplinary perspective that addresses the social and technological aspects of this unique activity as well as its impact. • Documents how computer hacking fits into various forms of cybercrime • Describes the subculture of computer hackers and explains how this social world plays an integral role in the business of hacking • Clarifies the subtle differences between ethical and malicious hacks • Focuses on the non-technical aspects of computer hacking to enable the reader to better understand the actors and their motives

A comprehensive guide to securing all mobile applications by approaching the issue from a hacker's point of view. This book provides expert guidance toward discovering and exploiting flaws in mobile applications on the iOS, Android, Blackberry, and Windows Mobile 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.

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" 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

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methodology to understand and structure your next browser penetration test.

A complete pentesting guide facilitating smooth backtracking for working hackers About This Book Conduct network testing, surveillance, pen testing and forensics on MS Windows using Kali Linux Gain a deep understanding of the flaws in web applications and exploit them in a practical manner Pentest Android apps and perform various attacks in the real world using real case studies Who This Book Is For This course is for anyone who wants to learn about security. Basic knowledge of Android programming would be a plus. What You Will Learn Exploit several common Windows network vulnerabilities Recover lost files, investigate successful hacks, and discover hidden data in innocent-looking files Expose vulnerabilities present in web servers and their applications using server-side attacks Use SQL and cross-site scripting (XSS) attacks Check for XSS flaws using the burp suite proxy Acquaint yourself with the fundamental building blocks of Android Apps in the right way Take a look at how your personal data can be stolen by malicious attackers See how developers make mistakes that allow attackers to steal data from phones In Detail The need for penetration testers has grown well over what the IT industry ever anticipated. Running just a vulnerability scanner is no longer an effective method to determine whether a business is truly secure. This learning path will help you develop the most effective penetration testing skills to protect your Windows, web applications, and Android devices. The first module focuses on the Windows platform, which is one of the most common OSes, and managing its security spawned the discipline of IT security. Kali Linux is the premier platform for testing and maintaining Windows security. Employs the most advanced tools and techniques to reproduce the methods used by sophisticated hackers. In this module first, you'll be introduced to Kali's top ten tools and other useful reporting tools. Then, you will find your way around your target network and determine known vulnerabilities so you can exploit a system remotely. You'll not only learn to penetrate in the machine, but will also learn to work with Windows privilege escalations. The second module will help you get to grips with the tools used in Kali Linux 2.0 that relate to web application hacking. You will get to know about scripting and input validation flaws, AJAX, and security issues related to AJAX. You will also use an automated technique called fuzzing so you can identify flaws in a web application. Finally, you'll understand the web application vulnerabilities and the ways they can be exploited. In the last module, you'll get started with Android security. Android, being the platform with the largest consumer base, is the obvious primary target for attackers. You'll begin this journey with the absolute basics and will then slowly gear up to the concepts of Android rooting, application security assessments, malware, infecting APK files, and fuzzing. You'll gain the skills necessary to perform Android application vulnerability assessments and to create an Android pentesting lab. This Learning Path is a blend of content from the following Packt products: Kali Linux 2: Windows Penetration Testing by Wolf Halton and Bo Weaver Web Penetration Testing with Kali Linux, Second Edition by Juned Ahmed Ansari Hacking Android by Srinivasa Rao Kotipalli and Mohammed A. Imran Style and approach This course uses easy-to-understand yet professional language for explaining concepts to test your network's security.

THE LATEST STRATEGIES FOR UNCOVERING TODAY'S MOST DEVASTATING ATTACKS Thwart malicious network intrusion by using cutting-edge techniques for finding and fixing security flaws. Fully updated and expanded with nine new chapters, *Gray Hat Hacking: The Ethical Hacker's Handbook, Third Edition* details the most recent vulnerabilities and remedies along with legal disclosure methods. Learn from the experts how hackers target systems, defeat production schemes, write malicious code, and exploit flaws in Windows and Linux systems. Malware analysis, penetration testing, SCADA, VoIP, and Web security are also covered in this comprehensive resource. Develop and launch exploits using BackTrack and Metasploit Employ physical, social engineering, and insider attack techniques Build Perl, Python, and Ruby scripts that initiate stack buffer overflows Understand and prevent malicious

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content in Adobe, Office, and multimedia files Detect and block client-side, Web server, VoIP, and SCADA attacks Reverse engineer, fuzz, and decompile Windows and Linux software Develop SQL injection, cross-site scripting, and forgery exploits Trap malware and rootkits using honeypots and SandBoxes

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.

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

The Handbook of Information Security is a definitive 3-volume handbook that offers coverage of both established and cutting-edge theories and developments on information and computer security. The text contains 180 articles from over 200 leading experts, providing the benchmark resource for information security, network security, information privacy, and information warfare.

Communications represent a strategic sector for privacy protection and for personal, company, national and international security. The interception, damage or loss of information during communication can generate material and non material economic damages from both a personal and collective point of view.

The purpose of this book is to give the reader information relating to all aspects of communications security, beginning at the base ideas and building to reach the most advanced and updated concepts. The book will be of interest to integrated system designers, telecommunication designers, system engineers, system analysts, security managers, technicians, intelligence personnel, security personnel, police, army, private investigators, scientists, graduate and postgraduate students and anyone that needs to communicate in a secure way.

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Twee tegenpolen, Mikael Blomkvist en Lisbeth Salander. Hij is een charmante man en een kritische journalist, en uitgever van het tijdschrift Millennium. Zij is een jonge, gecompliceerde, uiterst intelligente vrouw met zwartgeverfd haar, piercings en tatoeages én ze is een hacker van wereldklasse. Mikael wordt benaderd door oud-zakenman Henrik Vanger. Veertig jaar geleden is de zestienjarige Harriët Vanger op mysterieuze wijze verdwenen en vermoedelijk vermoord. De zaak is echter nooit opgelost en inmiddels verjaard. Toch wil Henrik Vanger graag dat Mikael zich hier nog eens op stort. Met hulp van Lisbeth Salander stuit Mikael op een spoor dat rechtstreeks naar een zeer duister en bloedig familiegeheim voert ... Mannen die vrouwen haten is het eerste boek in de succesvolle Millennium-trilogie, waarvan wereldwijd meer dan 50 miljoen exemplaren zijn verkocht.

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 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

Defending your web applications against hackers and attackers The top-selling

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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.

Master the art of conducting modern pen testing attacks and techniques on your web application before the hacker does! About This Book* This book covers the latest technologies such as Advance XSS, XSRF, SQL Injection, Evading WAFs, XML attack vectors, OAuth 2.0 Security, and more involved in today's web applications.* Penetrate and secure your web application using various techniques.* Get this comprehensive reference guide that provides advanced tricks and tools of the trade for seasoned penetration testers. Who This Book Is For This book targets security professionals and penetration testers who want to speed up their modern web application penetrating testing. It will also benefit intermediate-level readers and web developers who need to be aware of the latest application hacking techniques. What You Will Learn* Get to know the new and less-publicized techniques such as PHP Object Injection and XML-based vectors.* Work with different security tools to automate most of the redundant tasks.* See different kinds of newly-designed security headers and see how they help to provide security.* Exploit and detect different kinds of XSS vulnerabilities.* Protect your web application using filtering mechanisms.* Understand old school and classic web hacking in depth using SQL Injection, XSS, and CSRF.* Grasp XML-related vulnerabilities and attack vectors such as XXE and DoS using billion laughs/quadratic-blow-up. In Detail Web penetration testing is a growing, fast-moving, and absolutely critical field in information security. This book executes modern web application attacks and utilizes cutting-edge hacking techniques with an enhanced knowledge of web application security. We will cover web hacking techniques so you can explore the attack vectors during penetration tests. The book encompasses the latest technologies such as OAuth 2.0, evading WAFs, and XML vectors used by hackers. We'll

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explain various old school techniques in depth such as SQL Injection through the ever-dependable SQLMap. This pragmatic guide will be a great benefit and will help you prepare fully secure applications.

De ITIL pocketguides van Van Haren Publishing worden al lange tijd beschouwd als een betrouwbare gids op het gebied van ITIL, in vele taalversies. Deze publicaties hebben een vaste plaats verworven als naslagwerk voor professionals en als hulpmiddel bij het toepassen van best practices in een organisatie. Deze pocketguide maakt lezers bekend met het ITIL 4 framework door:

- inzicht te verkrijgen in de belangrijkste concepten van servicemanagement
- te begrijpen hoe de zeven ITIL-basisprincipes een organisatie kunnen helpen bij het adopteren en toepassen van servicemanagement
- inzicht te verkrijgen in de vier dimensies van servicemanagement
- inzicht te verkrijgen in het doel en de componenten van het ITIL-servicewaardesysteem
- inzicht te verkrijgen in de zes activiteiten van de servicewaardeketen en hoe deze onderling verbonden zijn
- het doel en de belangrijkste begrippen van 15 van de 34 ITIL-practices te leren kennen
- zeven van die 15 ITIL-practices in detail te leren begrijpen

Deze pocketguide geeft uitleg over alle exameneisen voor het ITIL 4 Foundation examen en biedt tevens ondersteuning voor iedereen die eerdere ITIL-edities kent en op zoek is naar een brug naar deze nieuwe editie. ITIL 4 heeft een grote sprong gemaakt in de moderne wereld van IT-servicemanagement, waarbij de nieuwste principes en practices worden behandeld op een klantgerichte en servicegerichte manier. The volume includes a set of selected papers extended and revised from the 2011 International Conference on Computers and Advanced Technology in Education. With the development of computers and advanced technology, the human social activities are changing basically. Education, especially the education reforms in different countries, has been experiencing the great help from the computers and advanced technology. Generally speaking, education is a field which needs more information, while the computers, advanced technology and internet are a good information provider. Also, with the aid of the computer and advanced technology, persons can make the education an effective combination. Therefore, computers and advanced technology should be regarded as an important media in the modern education. Volume Advanced Information Technology in Education is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of computers and advanced technology in education to disseminate their latest research results and exchange views on the future research directions of these fields.

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

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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 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

The Oracle Hacker's Handbook will examine in depth all the techniques and tools hackers use to break into Oracle database servers. In understanding the way hackers attack their systems, IT professionals can better understand the risk that their systems are exposed to and consequently can build and employ better defensive strategies. As the boundaries between networks blur, Oracle database servers are more exposed than ever and while Oracle database administrators recognize that they're exposed to new threats they don't have the information at hand to be able to fully appreciate the problem and deal with it in the most effective and efficient way. The Oracle Hacker's Handbook will become the foundation of this knowledge.

Chapter 1 Overview of the Oracle RDBMS
Chapter 2 The Oracle Network Architecture
Chapter 3 Attacking the TNS Listener and Dispatchers
Chapter 4 Attacking the Authentication Process
Chapter 5 Oracle and PL/SQL
Chapter 6 Triggers
Chapter 7 Indirect Privilege Escalation
Chapter 8 Defeating Virtual Private Databases
Chapter 9 Attacking Oracle PL/SQL Web Applications
Chapter 10 Running Operating System Commands
Chapter 11 Accessing the File System
Chapter 12 Accessing the Network

Over 70 recipes for system administrators or DevOps to master Kali Linux 2 and perform effective security assessments About This Book Set up a penetration testing lab to conduct a preliminary assessment of attack surfaces and run exploits Improve your testing efficiency with the use of automated vulnerability scanners Work through step-by-step recipes to detect a wide array of vulnerabilities, exploit them to analyze their consequences, and identify security anomalies Who This Book Is For This book is intended for those who want to

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know more about information security. In particular, it's ideal for system administrators and system architects who want to ensure that the infrastructure and systems they are creating and managing are secure. This book helps both beginners and intermediates by allowing them to use it as a reference book and to gain in-depth knowledge. What You Will Learn Understand the importance of security assessments over merely setting up and managing systems/processes Familiarize yourself with tools such as OPENVAS to locate system and network vulnerabilities Discover multiple solutions to escalate privileges on a compromised machine Identify security anomalies in order to make your infrastructure secure and further strengthen it Acquire the skills to prevent infrastructure and application vulnerabilities Exploit vulnerabilities that require a complex setup with the help of Metasploit In Detail With the increasing threats of breaches and attacks on critical infrastructure, system administrators and architects can use Kali Linux 2.0 to ensure their infrastructure is secure by finding out known vulnerabilities and safeguarding their infrastructure against unknown vulnerabilities. This practical cookbook-style guide contains chapters carefully structured in three phases – information gathering, vulnerability assessment, and penetration testing for the web, and wired and wireless networks. It's an ideal reference guide if you're looking for a solution to a specific problem or learning how to use a tool. We provide hands-on examples of powerful tools/scripts designed for exploitation. In the final section, we cover various tools you can use during testing, and we help you create in-depth reports to impress management. We provide system engineers with steps to reproduce issues and fix them. Style and approach This practical book is full of easy-to-follow recipes with based on real-world problems faced by the authors. Each recipe is divided into three sections, clearly defining what the recipe does, what you need, and how to do it. The carefully structured recipes allow you to go directly to your topic of interest.

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