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## KEY=EDITION - PERKINS LONDON

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### HACKING EXPOSED 7 : NETWORK SECURITY SECRETS & SOLUTIONS, SEVENTH EDITION

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#### NETWORK SECURITY SECRETS & SOLUTIONS, SEVENTH EDITION

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McGraw Hill Professional The latest tactics for thwarting digital attacks “Our new reality is zero-day, APT, and state-sponsored attacks. Today, more than ever, security professionals need to get into the hacker’s mind, methods, and toolbox to successfully deter such relentless assaults. This edition brings readers abreast with the latest attack vectors and arms them for these continually evolving threats.” --Brett Wahlin, CSO, Sony Network Entertainment “Stop taking punches--let’s change the game; it’s time for a paradigm shift in the way we secure our networks, and Hacking Exposed 7 is the playbook for bringing pain to our adversaries.” --Shawn Henry, former Executive Assistant Director, FBI Bolster your system’s security and defeat the tools and tactics of cyber-criminals with expert advice and defense strategies from the world-renowned Hacking Exposed team. Case studies expose the hacker’s latest devious methods and illustrate field-tested remedies. Find out how to block infrastructure hacks, minimize advanced persistent threats, neutralize malicious code, secure web and database applications, and fortify UNIX networks. Hacking Exposed 7: Network Security Secrets & Solutions contains all-new visual maps and a comprehensive “countermeasures cookbook.” Obstruct APTs and web-based meta-exploits Defend against UNIX-based root access and buffer overflow hacks Block SQL injection, spear phishing, and embedded-code attacks Detect and terminate rootkits, Trojans, bots, worms, and malware Lock down remote access using smartcards and hardware tokens Protect 802.11 WLANs with multilayered encryption and gateways Plug holes in VoIP, social networking, cloud, and Web 2.0 services Learn about the latest iPhone and Android attacks and how to protect yourself

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#### HACKING EXPOSED : WEB APPLICATIONS

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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. --

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#### HACKING EXPOSED UNIFIED COMMUNICATIONS & VOIP SECURITY SECRETS & SOLUTIONS, SECOND EDITION

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McGraw Hill Professional The latest techniques for averting UC disaster Establish a holistic security stance by learning to view your unified communications infrastructure through the eyes of the nefarious cyber-criminal. Hacking Exposed Unified Communications & VoIP, Second Edition offers thoroughly expanded coverage of today’s rampant threats alongside ready-to deploy countermeasures. Find out how to block TDoS, toll fraud, voice SPAM, voice social engineering and phishing, eavesdropping, and man-in-the-middle exploits. This comprehensive guide features all-new chapters, case studies, and examples. See how hackers target vulnerable UC devices and entire networks Defend against TDoS, toll fraud, and service abuse Block calling number hacks and calling number spoofing Thwart voice social engineering and phishing exploits Employ voice spam mitigation products and filters Fortify Cisco Unified Communications Manager Use encryption to prevent eavesdropping and MITM attacks Avoid injection of malicious audio, video, and media files Use fuzzers to test and buttress your VoIP applications Learn about emerging technologies such as Microsoft Lync, OTT UC, other forms of UC, and cloud and WebRTC

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## HACKING EXPOSED

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### WINDOWS SERVER 2003

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McGraw-Hill Osborne Media Provides coverage of the security features in Windows Server 2003. This book is useful for network professionals working with a Windows Server 2003 and/or Windows XP system.

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### HACKING EXPOSED WIRELESS

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McGraw Hill Professional Secure Your Wireless Networks the Hacking Exposed Way Defend against the latest pervasive and devastating wireless attacks using the tactical security information contained in this comprehensive volume. Hacking Exposed Wireless reveals how hackers zero in on susceptible networks and peripherals, gain access, and execute debilitating attacks. Find out how to plug security holes in Wi-Fi/802.11 and Bluetooth systems and devices. You'll also learn how to launch wireless exploits from Metasploit, employ bulletproof authentication and encryption, and sidestep insecure wireless hotspots. The book includes vital details on new, previously unpublished attacks alongside real-world countermeasures. Understand the concepts behind RF electronics, Wi-Fi/802.11, and Bluetooth Find out how hackers use NetStumbler, WiSPY, Kismet, KisMAC, and AiroPeek to target vulnerable wireless networks Defend against WEP key brute-force, aircrack, and traffic injection hacks Crack WEP at new speeds using Field Programmable Gate Arrays or your spare PS3 CPU cycles Prevent rogue AP and certificate authentication attacks Perform packet injection from Linux Launch DoS attacks using device driver-independent tools Exploit wireless device drivers using the Metasploit 3.0 Framework Identify and avoid malicious hotspots Deploy WPA/802.11i authentication and encryption using PEAP, FreeRADIUS, and WPA pre-shared keys

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### HACKING EXPOSED MOBILE

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### SECURITY SECRETS & SOLUTIONS

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McGraw Hill Professional Proven security tactics for today's mobile apps, devices, and networks "A great overview of the new threats created by mobile devices. ...The authors have heaps of experience in the topics and bring that to every chapter." -- Slashdot Hacking Exposed Mobile continues in the great tradition of the Hacking Exposed series, arming business leaders and technology practitioners with an in-depth understanding of the latest attacks and countermeasures--so they can leverage the power of mobile platforms while ensuring that security risks are contained." -- Jamil Farshchi, Senior Business Leader of Strategic Planning and Initiatives, VISA Identify and evade key threats across the expanding mobile risk landscape. Hacking Exposed Mobile: Security Secrets & Solutions covers the wide range of attacks to your mobile deployment alongside ready-to-use countermeasures. Find out how attackers compromise networks and devices, attack mobile services, and subvert mobile apps. Learn how to encrypt mobile data, fortify mobile platforms, and eradicate malware. This cutting-edge guide reveals secure mobile development guidelines, how to leverage mobile OS features and MDM to isolate apps and data, and the techniques the pros use to secure mobile payment systems. Tour the mobile risk ecosystem with expert guides to both attack and defense Learn how cellular network attacks compromise devices over-the-air See the latest Android and iOS attacks in action, and learn how to stop them Delve into mobile malware at the code level to understand how to write resilient apps Defend against server-side mobile attacks, including SQL and XML injection Discover mobile web attacks, including abuse of custom URI schemes and JavaScript bridges Develop stronger mobile authentication routines using OAuth and SAML Get comprehensive mobile app development security guidance covering everything from threat modeling to iOS- and Android-specific tips Get started quickly using our mobile pen testing and consumer security checklists

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### HACKING EXPOSED WINDOWS 2000

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### NETWORK SECURITY SECRETS & SOLUTIONS

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McGraw-Hill Companies \*In the tradition of the wildly successful Hacking Exposed - the 2nd edition of which sold over 75,000 units in just four months.\*Unique approach to topic--no other book contains both hacking techniques as well as concrete solutions on how to plug the security holes in a Windows 2000 network.\*Authors have winning track record--written by the best-selling authors of Hacking Exposed who are key Windows 2000 security consultants at Microsoft\*Includes case studies based on the authors' real experiences and also features the trademark Hacking series elements such as attacks, countermeasures, and risk ratings.

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## **HACKING EXPOSED INDUSTRIAL CONTROL SYSTEMS: ICS AND SCADA SECURITY SECRETS & SOLUTIONS**

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McGraw Hill Professional Learn to defend crucial ICS/SCADA infrastructure from devastating attacks the tried-and-true Hacking Exposed way This practical guide reveals the powerful weapons and devious methods cyber-terrorists use to compromise the devices, applications, and systems vital to oil and gas pipelines, electrical grids, and nuclear refineries. Written in the battle-tested Hacking Exposed style, the book arms you with the skills and tools necessary to defend against attacks that are debilitating—and potentially deadly. Hacking Exposed Industrial Control Systems: ICS and SCADA Security Secrets & Solutions explains vulnerabilities and attack vectors specific to ICS/SCADA protocols, applications, hardware, servers, and workstations. You will learn how hackers and malware, such as the infamous Stuxnet worm, can exploit them and disrupt critical processes, compromise safety, and bring production to a halt. The authors fully explain defense strategies and offer ready-to-deploy countermeasures. Each chapter features a real-world case study as well as notes, tips, and cautions. Features examples, code samples, and screenshots of ICS/SCADA-specific attacks Offers step-by-step vulnerability assessment and penetration test instruction Written by a team of ICS/SCADA security experts and edited by Hacking Exposed veteran Joel Scambray

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## **HACKING EXPOSED VOIP: VOICE OVER IP SECURITY SECRETS & SOLUTIONS**

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McGraw Hill Professional Sidestep VoIP Catastrophe the Foolproof Hacking Exposed Way "This book illuminates how remote users can probe, sniff, and modify your phones, phone switches, and networks that offer VoIP services. Most importantly, the authors offer solutions to mitigate the risk of deploying VoIP technologies." --Ron Gula, CTO of Tenable Network Security Block debilitating VoIP attacks by learning how to look at your network and devices through the eyes of the malicious intruder. Hacking Exposed VoIP shows you, step-by-step, how online criminals perform reconnaissance, gain access, steal data, and penetrate vulnerable systems. All hardware-specific and network-centered security issues are covered alongside detailed countermeasures, in-depth examples, and hands-on implementation techniques. Inside, you'll learn how to defend against the latest DoS, man-in-the-middle, call flooding, eavesdropping, VoIP fuzzing, signaling and audio manipulation, Voice SPAM/SPIT, and voice phishing attacks. Find out how hackers footprint, scan, enumerate, and pilfer VoIP networks and hardware Fortify Cisco, Avaya, and Asterisk systems Prevent DNS poisoning, DHCP exhaustion, and ARP table manipulation Thwart number harvesting, call pattern tracking, and conversation eavesdropping Measure and maintain VoIP network quality of service and VoIP conversation quality Stop DoS and packet flood-based attacks from disrupting SIP proxies and phones Counter REGISTER hijacking, INVITE flooding, and BYE call teardown attacks Avoid insertion/mixing of malicious audio Learn about voice SPAM/SPIT and how to prevent it Defend against voice phishing and identity theft scams

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## **HACKING EXPOSED MALWARE & ROOTKITS: SECURITY SECRETS AND SOLUTIONS, SECOND EDITION**

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McGraw Hill Professional Arm yourself for the escalating war against malware and rootkits Thwart debilitating cyber-attacks and dramatically improve your organization's security posture using the proven defense strategies in this thoroughly updated guide. Hacking Exposed™ Malware and Rootkits: Security Secrets & Solutions, Second Edition fully explains the hacker's latest methods alongside ready-to-deploy countermeasures. Discover how to block pop-up and phishing exploits, terminate embedded code, and identify and eliminate rootkits. You will get up-to-date coverage of intrusion detection, firewall, honeynet, antivirus, and anti-rootkit technology. • Learn how malware infects, survives, and propagates across an enterprise • See how hackers develop malicious code and target vulnerable systems • Detect, neutralize, and remove user-mode and kernel-mode rootkits • Use hypervisors and honeypots to uncover and kill virtual rootkits • Defend against keylogging, redirect, click fraud, and identity theft • Block spear phishing, client-side, and embedded-code exploits • Effectively deploy the latest antivirus, pop-up blocker, and firewall software • Identify and stop malicious processes using IPS solutions

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## **HUNTING CYBER CRIMINALS**

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### **A HACKER'S GUIDE TO ONLINE INTELLIGENCE GATHERING TOOLS AND TECHNIQUES**

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John Wiley & Sons The skills and tools for collecting, verifying and correlating information from different types of systems is an essential skill when tracking down hackers. This book explores Open Source Intelligence Gathering (OSINT) inside out from multiple perspectives, including those of hackers and seasoned intelligence experts. OSINT refers to the techniques and tools required to harvest publicly available data concerning a person or an organization. With several years of experience of tracking hackers with OSINT, the author whips up a classical plot-line involving a hunt for a threat actor. While taking the audience through the thrilling investigative drama, the author immerses the audience with in-depth knowledge of state-of-the-art OSINT tools and techniques. Technical users will want a basic understanding of the Linux command line in order to follow the examples. But a person with no Linux or programming experience can still gain a lot from this book through the commentaries. This book's unique digital investigation proposition is a combination of story-

telling, tutorials, and case studies. The book explores digital investigation from multiple angles: Through the eyes of the author who has several years of experience in the subject. Through the mind of the hacker who collects massive amounts of data from multiple online sources to identify targets as well as ways to hit the targets. Through the eyes of industry leaders. This book is ideal for: Investigation professionals, forensic analysts, and CISO/CIO and other executives wanting to understand the mindset of a hacker and how seemingly harmless information can be used to target their organization. Security analysts, forensic investigators, and SOC teams looking for new approaches on digital investigations from the perspective of collecting and parsing publicly available information. CISOs and defense teams will find this book useful because it takes the perspective of infiltrating an organization from the mindset of a hacker. The commentary provided by outside experts will also provide them with ideas to further protect their organization's data.

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## **HACKING EXPOSED**

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### **NETWORK SECURITY SECRETS & SOLUTIONS**

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McGraw-Hill Osborne Media Analyzes attacks on computer networks, discusses security, auditing, and intrusion detection procedures, and covers hacking on the Internet, attacks against Windows, e-commerce hacking methodologies, and new discovery tools.

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### **HACKING EXPOSED COMPUTER FORENSICS**

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#### **SECRETS & SOLUTIONS**

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McGraw Hill Professional Investigate computer crime, corporate malfeasance, and hacker break-ins quickly and effectively with help from this practical and comprehensive resource. You'll get expert information on crucial procedures to successfully prosecute violators while avoiding the pitfalls of illicit searches, privacy violations, and illegally obtained evidence. It's all here--from collecting actionable evidence, re-creating the criminal timeline, and zeroing in on a suspect to uncovering obscured and deleted code, unlocking encrypted files, and preparing lawful affidavits. Plus, you'll get in-depth coverage of the latest PDA and cell phone investigation techniques and real-world case studies.

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### **HACKING EXPOSED WEB APPLICATIONS, THIRD EDITION**

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McGraw Hill Professional The latest Web app attacks and countermeasures from world-renowned practitioners Protect your Web applications from malicious attacks by mastering the weapons and thought processes of today's hacker. Written by recognized security practitioners and thought leaders, Hacking Exposed Web Applications, Third Edition is fully updated to cover new infiltration methods and countermeasures. Find out how to reinforce authentication and authorization, plug holes in Firefox and IE, reinforce against injection attacks, and secure Web 2.0 features. Integrating security into the Web development lifecycle (SDL) and into the broader enterprise information security program is also covered in this comprehensive resource. Get full details on the hacker's footprinting, scanning, and profiling tools, including SHODAN, Maltego, and OWASP DirBuster See new exploits of popular platforms like Sun Java System Web Server and Oracle WebLogic in operation Understand how attackers defeat commonly used Web authentication technologies See how real-world session attacks leak sensitive data and how to fortify your applications Learn the most devastating methods used in today's hacks, including SQL injection, XSS, XSRF, phishing, and XML injection techniques Find and fix vulnerabilities in ASP.NET, PHP, and J2EE execution environments Safety deploy XML, social networking, cloud computing, and Web 2.0 services Defend against RIA, Ajax, UGC, and browser-based, client-side exploits Implement scalable threat modeling, code review, application scanning, fuzzing, and security testing procedures

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## **HACKING EXPOSED**

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### **WEB APPLICATIONS**

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McGraw-Hill Osborne Media 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

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## HACKING EXPOSED LINUX

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### LINUX SECURITY SECRETS AND SOLUTIONS

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McGraw Hill Professional The Latest Linux Security Solutions This authoritative guide will help you secure your Linux network--whether you use Linux as a desktop OS, for Internet services, for telecommunications, or for wireless services. Completely rewritten the ISECOM way, Hacking Exposed Linux, Third Edition provides the most up-to-date coverage available from a large team of topic-focused experts. The book is based on the latest ISECOM security research and shows you, in full detail, how to lock out intruders and defend your Linux systems against catastrophic attacks. Secure Linux by using attacks and countermeasures from the latest OSSTMM research Follow attack techniques of PSTN, ISDN, and PSDN over Linux Harden VoIP, Bluetooth, RF, RFID, and IR devices on Linux Block Linux signal jamming, cloning, and eavesdropping attacks Apply Trusted Computing and cryptography tools for your best defense Fix vulnerabilities in DNS, SMTP, and Web 2.0 services Prevent SPAM, Trojan, phishing, DoS, and DDoS exploits Find and repair errors in C code with static analysis and Hoare Logic

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## WEB HACKING

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### ATTACKS AND DEFENSE

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Addison-Wesley Professional The President's life is in danger! Jimmy Sniffles, with the help of a new invention, shrinks down to miniature size to sniff out the source of the problem.

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## NETWORK SECURITY ASSESSMENT

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### KNOW YOUR NETWORK

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"O'Reilly Media, Inc." A practical handbook for network administrators who need to develop and implement security assessment programs, exploring a variety of offensive technologies, explaining how to design and deploy networks that are immune to offensive tools and scripts, and detailing an efficient testing model. Original. (Intermediate)

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## HACKING- THE ART OF EXPLOITATION

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oshean collins 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.

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## HACKING EXPOSED CISCO NETWORKS

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## CISCO SECURITY SECRETS & SOLUTIONS

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McGraw Hill Professional Here is the first book to focus solely on Cisco network hacking, security auditing, and defense issues. Using the proven Hacking Exposed methodology, this book shows you how to locate and patch system vulnerabilities by looking at your Cisco network through the eyes of a hacker. The book covers device-specific and network-centered attacks and defenses and offers real-world case studies.

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## ANDROID HACKER'S HANDBOOK

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John Wiley & Sons 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.

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## HACKING EXPOSED 5TH EDITION

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McGraw Hill Professional "The seminal book on white-hat hacking and countermeasures... Should be required reading for anyone with a server or a network to secure." --Bill Machrone, PC Magazine "The definitive compendium of intruder practices and tools." --Steve Steinke, Network Magazine "For almost any computer book, you can find a clone. But not this one... A one-of-a-kind study of the art of breaking in." --UNIX Review Here is the latest edition of international best-seller, Hacking Exposed. Using real-world case studies, renowned security experts Stuart McClure, Joel Scambray, and George Kurtz show IT professionals how to protect computers and networks against the most recent security vulnerabilities. You'll find detailed examples of the latest devious break-ins and will learn how to think like a hacker in order to thwart attacks. Coverage includes: Code hacking methods and countermeasures New exploits for Windows 2003 Server, UNIX/Linux, Cisco, Apache, and Web and wireless applications Latest DDoS techniques--zombies, Blaster, MyDoom All new class of vulnerabilities--HTTP Response Splitting and much more

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## NETWORK SECURITY WITH OPENSLL

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## CRYPTOGRAPHY FOR SECURE COMMUNICATIONS

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"O'Reilly Media, Inc." Most applications these days are at least somewhat network aware, but how do you protect those applications against common network security threats? Many developers are turning to OpenSSL, an open source version of SSL/TLS, which is the most widely used protocol for secure network communications. The OpenSSL library is seeing widespread adoption for web sites that require cryptographic functions to protect a broad range of sensitive information, such as credit card numbers and other financial transactions. The library is the only free, full-featured SSL implementation for C and C++, and it can be used programmatically or from the command line to secure most TCP-based network protocols. Network Security with OpenSSL enables developers to use this protocol much more effectively. Traditionally, getting something simple done in OpenSSL could easily take weeks. This concise book gives you the guidance you need to avoid pitfalls, while allowing you to take advantage of the library's advanced features. And, instead of bogging you down in the technical details of how SSL works under the hood, this book provides only the information that is necessary to use OpenSSL safely and effectively. In step-by-step fashion, the book details the challenges in securing network communications, and shows you how to use OpenSSL tools to best meet those challenges. As a system or network administrator, you will benefit from the thorough treatment of the OpenSSL command-line interface, as well as from step-by-step directions for obtaining certificates and setting up your own certification authority. As a developer, you will further benefit from the in-depth discussions and examples of how to use OpenSSL in your own programs. Although OpenSSL is written in C, information on how to use OpenSSL with Perl, Python and PHP is also included. OpenSSL may well answer your need to protect sensitive data. If that's the case, Network Security with OpenSSL is the only guide available on the subject.

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## LEARN ETHICAL HACKING FROM SCRATCH

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### YOUR STEPPING STONE TO PENETRATION TESTING

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Packt Publishing Ltd Learn how to hack systems like black hat hackers and secure them like security experts Key Features Understand how computer systems work and their vulnerabilities Exploit weaknesses and hack into machines to test their security Learn how to secure systems from hackers Book Description This book starts with the basics of ethical hacking, how to practice hacking safely and legally, and how to install and interact with Kali Linux and the Linux terminal. You will explore network hacking, where you will see how to test the security of wired and wireless networks. You'll also learn how to crack the password for any Wi-Fi network (whether it uses WEP, WPA, or WPA2) and spy on the connected devices. Moving on, you will discover how to gain access to remote computer systems using client-side and server-side attacks. You will also get the hang of post-exploitation techniques, including remotely controlling and interacting with the systems that you compromised. Towards the end of the book, you will be able to pick up web application hacking techniques. You'll see how to discover, exploit, and prevent a number of website vulnerabilities, such as XSS and SQL injections. The attacks covered are practical techniques that work against real systems and are purely for educational purposes. At the end of each section, you will learn how to detect, prevent, and secure systems from these attacks. What you will learn Understand ethical hacking and the different fields and types of hackers Set up a penetration testing lab to practice safe and legal hacking Explore Linux basics, commands, and how to interact with the terminal Access password-protected networks and spy on connected clients Use server and client-side attacks to hack and control remote computers Control a hacked system remotely and use it to hack other systems Discover, exploit, and prevent a number of web application vulnerabilities such as XSS and SQL injections Who this book is for Learning Ethical Hacking from Scratch is for anyone interested in learning how to hack and test the security of systems like professional hackers and security experts.

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### WEB APPLICATION DEFENDER'S COOKBOOK

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### BATTLING HACKERS AND PROTECTING USERS

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John Wiley & Sons 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.

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### PENETRATION TESTING

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### A HANDS-ON INTRODUCTION TO HACKING

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No Starch Press Penetration testers simulate cyber attacks to find security weaknesses in networks, operating systems, and applications. Information security experts worldwide use penetration techniques to evaluate enterprise defenses. In Penetration Testing, security expert, researcher, and trainer Georgia Weidman introduces you to the core skills and techniques that every pentester needs. Using a virtual machine-based lab that includes Kali Linux and vulnerable operating systems, you'll run through a series of practical lessons with tools like Wireshark, Nmap, and Burp Suite. As you follow along with the labs and launch attacks, you'll experience the key stages of an actual assessment—including information gathering, finding exploitable vulnerabilities, gaining access to systems, post exploitation, and more. Learn how to: -Crack passwords and wireless network keys with brute-forcing and wordlists -Test web applications for vulnerabilities -Use the Metasploit Framework to launch exploits and write your own Metasploit modules -Automate social-engineering attacks -Bypass antivirus software -Turn access to one machine into total control of the enterprise in the post exploitation phase You'll even explore writing your own exploits. Then it's on to mobile hacking—Weidman's particular area of research—with her tool, the Smartphone Pentest Framework. With its collection of hands-on lessons that

cover key tools and strategies, Penetration Testing is the introduction that every aspiring hacker needs.

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### **THE ART OF INTRUSION**

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### **THE REAL STORIES BEHIND THE EXPLOITS OF HACKERS, INTRUDERS AND DECEIVERS**

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John Wiley & Sons Hacker extraordinaire Kevin Mitnick delivers the explosive encore to his bestselling *The Art of Deception*. Kevin Mitnick, the world's most celebrated hacker, now devotes his life to helping businesses and governments combat data thieves, cybervandals, and other malicious computer intruders. In his bestselling *The Art of Deception*, Mitnick presented fictionalized case studies that illustrated how savvy computer crackers use "social engineering" to compromise even the most technically secure computer systems. Now, in his new book, Mitnick goes one step further, offering hair-raising stories of real-life computer break-ins and showing how the victims could have prevented them. Mitnick's reputation within the hacker community gave him unique credibility with the perpetrators of these crimes, who freely shared their stories with him and whose exploits Mitnick now reveals in detail for the first time, including: A group of friends who won nearly a million dollars in Las Vegas by reverse-engineering slot machines Two teenagers who were persuaded by terrorists to hack into the Lockheed Martin computer systems Two convicts who joined forces to become hackers inside a Texas prison A "Robin Hood" hacker who penetrated the computer systems of many prominent companies and then told them how he gained access With riveting "you are there" descriptions of real computer break-ins, indispensable tips on countermeasures security professionals need to implement now, and Mitnick's own acerbic commentary on the crimes he describes, this book is sure to reach a wide audience and attract the attention of both law enforcement agencies and the media.

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### **STEAL THIS COMPUTER BOOK 3**

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### **WHAT THEY WON'T TELL YOU ABOUT THE INTERNET**

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Describes how computer viruses are created and spread, and discusses computer harassment, online con artists, protecting data with encryption, and general computer security issues.

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### **GRAY HAT HACKING, SECOND EDITION**

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McGraw Hill Professional "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

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### **SECRETS AND LIES**

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### **DIGITAL SECURITY IN A NETWORKED WORLD**

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John Wiley & Sons This anniversary edition which has stood the test of time as a runaway best-seller provides a practical, straight-forward guide to achieving security throughout computer networks. No theory, no math, no fiction of what should be working but isn't, just the facts. Known as the master of cryptography, Schneier uses his extensive field experience with his own clients to dispel the myths that often mislead IT managers as they try to build secure systems. A much-touted section: Schneier's tutorial on just what cryptography (a subset of computer security) can and cannot do for them, has received far-reaching praise from both the technical and business community. Praise for *Secrets and Lies* "This is a business issue, not a technical one, and executives can no longer leave such decisions to techies. That's why *Secrets and Lies* belongs in every manager's library." -Business Week "Startlingly lively....a jewel box of little surprises you can actually use." -Fortune "Secrets is a comprehensive, well-written work on a topic few business leaders can afford to neglect." -Business 2.0 "Instead of talking algorithms to geeky programmers, [Schneier] offers a primer in practical computer security aimed at those shopping, communicating or doing business online-almost everyone, in other words." -The Economist "Schneier...peppers the book with lively anecdotes and aphorisms, making it unusually accessible." -Los Angeles Times With a new and compelling Introduction by the author, this premium edition will become a keepsake for security enthusiasts of every stripe.

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### **GRAY HAT HACKING: THE ETHICAL HACKER'S HANDBOOK, FIFTH EDITION**

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McGraw Hill Professional 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

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### **HACKING EXPOSED 7, 7TH EDITION**

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The latest tactics for thwarting digital attacks "Our new reality is zero-day, APT, and state-sponsored attacks. Today, more than ever, security professionals need to get into the hacker's mind, methods, and toolbox to successfully deter such relentless assaults. This edition brings readers abreast with the latest attack vectors and arms them for these continually evolving threats."--Brett Wahlin, CSO, Sony Network Entertainment "Stop taking punches--let's change the game; it's time for a paradigm shift in the way we secure our networks, and *Hacking Exposed 7* is the playbook for bringing pain to our adversaries." --Shawn Henry, former Executive Assistant Director, FBI Bolster your system's security and defeat the tools and tactics of cyber-criminals with expert advice and defense strategies from the world-renowned *Hacking Exposed* team. Case studies expose the hacker's latest devious methods and illustrate field-tested remedies. Find out how to block infrastructure hacks, minimize advanced persistent threats, neutralize malicious code, secure web and database applications, and fortify UNIX networks. *Hacking Exposed 7: Network Security Secrets & Solutions* contains all-new visual maps and a comprehensive "countermeasures cookbook." Obstruct APTs and web-based meta-exploits Defend against UNIX-based root access and buffer overflow hacks Block SQL injection, spear phishing, and embedded-code attacks Detect and terminate rootkits, Trojans, bots, worms, and malware Lock down remote access using smartcards and hardware tokens Protect 802.11 WLANs with multilayered encryption and gateways Plug holes in VoIP, social networking, cloud, and Web 2.0 services Learn about the latest iPhone and Android attacks and how to protect yourself.

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### **HACKING EXPOSED, SIXTH EDITION**

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### **NETWORK SECURITY SECRETS& SOLUTIONS**

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McGraw Hill Professional The tenth anniversary edition of the world's bestselling computer security book! The original *Hacking Exposed* authors rejoin forces on this new edition to offer completely up-to-date coverage of today's most devastating hacks and how to prevent them. Using their proven methodology, the authors reveal how to locate and patch system vulnerabilities. The book includes new coverage of ISO images, wireless and RFID attacks, Web 2.0 vulnerabilities, anonymous hacking tools, Ubuntu, Windows Server 2008, mobile devices, and more. *Hacking Exposed 6* applies the authors' internationally renowned computer security methodologies, technical rigor, and "from-the-trenches" experience to make computer technology usage and deployments safer and more secure for businesses and consumers. "A cross between a spy novel and a tech manual." --Mark A. Kellner, *Washington Times* "The seminal book on white-hat hacking and countermeasures . . . Should be required reading for anyone with a server or a network to secure." --Bill Machrone, *PC Magazine* "A must-read for anyone in security . . . One of the best security books available." --Tony Bradley, *CISSP, About.com*

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### **SERIOUS CRYPTOGRAPHY**

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### **A PRACTICAL INTRODUCTION TO MODERN ENCRYPTION**

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No Starch Press This practical guide to modern encryption breaks down the fundamental mathematical concepts at the heart of cryptography without shying away from meaty discussions of how they work. You'll learn about authenticated encryption, secure randomness, hash functions, block ciphers, and public-key techniques such as RSA and elliptic curve cryptography. You'll also learn:

- Key concepts in cryptography, such as computational security, attacker models, and forward secrecy
- The strengths and limitations of the TLS protocol behind HTTPS secure websites
- Quantum computation and post-quantum cryptography
- About various vulnerabilities by examining numerous code examples and use cases
- How to choose the best algorithm or protocol and ask vendors the right questions

Each chapter includes a discussion of common implementation mistakes using real-world

examples and details what could go wrong and how to avoid these pitfalls. Whether you're a seasoned practitioner or a beginner looking to dive into the field, *Serious Cryptography* will provide a complete survey of modern encryption and its applications.

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### **NETWORK SECURITY PORTABLE REFERENCE**

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McGraw Hill Professional Describes how hackers break into computer networks and provides information on such topics as ways to assess and strengthen computer networks, conduct security checks, and protect e-commerce.

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### **TRIBE OF HACKERS SECURITY LEADERS**

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### **TRIBAL KNOWLEDGE FROM THE BEST IN CYBERSECURITY LEADERSHIP**

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John Wiley & Sons 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.

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### **HACKING EXPOSED LINUX**

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### **LINUX SECURITY SECRETS AND SOLUTIONS**

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McGraw-Hill Education The Latest Linux Security Solutions This authoritative guide will help you secure your Linux network--whether you use Linux as a desktop OS, for Internet services, for telecommunications, or for wireless services. Completely rewritten the ISECOM way, *Hacking Exposed Linux, Third Edition* provides the most up-to-date coverage available from a large team of topic-focused experts. The book is based on the latest ISECOM security research and shows you, in full detail, how to lock out intruders and defend your Linux systems against catastrophic attacks. Secure Linux by using attacks and countermeasures from the latest OSSTMM research Follow attack techniques of PSTN, ISDN, and PSDN over Linux Harden VoIP, Bluetooth, RF, RFID, and IR devices on Linux Block Linux signal jamming, cloning, and eavesdropping attacks Apply Trusted Computing and cryptography tools for your best defense Fix vulnerabilities in DNS, SMTP, and Web 2.0 services Prevent SPAM, Trojan, phishing, DoS, and DDoS exploits Find and repair errors in C code with static analysis and Hoare Logic

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### **HACKING EXPOSED MALWARE & ROOTKITS SECURITY SECRETS & SOLUTIONS**

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### **HACKING EXPOSED: MALWARE AND ROOTKITS**

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### **MALWARE & ROOTKITS SECRETS & SOLUTIONS (EB)**

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McGraw Hill Professional Malware and rootkits are on the rise and becoming more complex, according to security company McAfee Author speaks at major security conferences worldwide Hands-on examples, attacks, and countermeasures are included in every chapter

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**HACKING EXPOSED WIRELESS, THIRD EDITION**

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**WIRELESS SECURITY SECRETS & SOLUTIONS**

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McGraw-Hill Education Exploit and defend against the latest wireless network attacks Learn to exploit weaknesses in wireless network environments using the innovative techniques in this thoroughly updated guide. Inside, you'll find concise technical overviews, the latest attack methods, and ready-to-deploy countermeasures. Find out how to leverage wireless eavesdropping, break encryption systems, deliver remote exploits, and manipulate 802.11 clients, and learn how attackers impersonate cellular networks. Hacking Exposed Wireless, Third Edition features expert coverage of ever-expanding threats that affect leading-edge technologies, including Bluetooth Low Energy, Software Defined Radio (SDR), ZigBee, and Z-Wave. Assemble a wireless attack toolkit and master the hacker's weapons Effectively scan and enumerate WiFi networks and client devices Leverage advanced wireless attack tools, including Wifite, Scapy, Pyrit, Metasploit, KillerBee, and the Aircrack-ng suite Develop and launch client-side attacks using Ettercap and the WiFi Pineapple Hack cellular networks with Airprobe, Kraken, Pytacle, and YateBTS Exploit holes in WPA and WPA2 personal and enterprise security schemes Leverage rogue hotspots to deliver remote access software through fraudulent software updates Eavesdrop on Bluetooth Classic and Bluetooth Low Energy traffic Capture and evaluate proprietary wireless technology with Software Defined Radio tools Explore vulnerabilities in ZigBee and Z-Wave-connected smart homes and offices Attack remote wireless networks using compromised Windows systems and built-in tools