Tor: How To Set Up Tor!

Practical Anonymity

For those with legitimate reason to use the Internet anonymously--diplomats, military and other government agencies, journalists, political activists, IT professionals, law enforcement personnel, political refugees and others--anonymous networking provides an invaluable tool, and many good reasons that anonymity can serve a very important purpose. Anonymous use of the Internet is made difficult by the many websites that know everything about us, by the cookies and ad networks, IP-logging ISPs, even nosy officials may get involved. It is no longer possible to turn off browser cookies to be left alone in your online life. Practical Anonymity: Hiding in Plain Sight Online shows you how to use the most effective and widely-used anonymity tools--the ones that protect diplomats, military and other government agencies to become invisible online. This practical guide skips the theoretical and technical details and focuses on getting from zero to anonymous as fast as possible. For many, using any of the open-source, peer-reviewed tools for connecting to the Internet via an anonymous network may be (or seem to be) too difficult because most of the information about these tools is burdened with discussions of how they work and how to maximize security. Even tech-savvy users may find the burden too great--but actually using the tools can be pretty simple. The primary market for this book consists of IT professionals who need/want tools for anonymity to test/work around corporate firewalls and router filtering as well as provide anonymity tools to their customers. Simple, step-by-step instructions for configuring and using anonymous networking software - Simple, step-by-step instructions for configuring and using anonymous networking software - Use of open source, time-proven and peer-reviewed tools for anonymity - Plain-language discussion of actual threats and concrete suggestions for appropriate responses - Easy-to-follow tips for safer computing - Simple, step-by-step instructions for configuring and using anonymous networking software - Use of open source, time-proven and peer-reviewed tools for anonymity - Plain-language discussion of actual threats, and concrete suggestions for appropriate responses - Easy to follow tips for safer computing

The Tor's Quest Saga

Twists, turns, death and betrayal, with a little bit of magic thrown in The King is dead, leaving no clear successor. Prince Tor and his brothers must take part in a quest, the winner of which will earn the right to take over the throne. Clues have been left to direct the competitors to each location, providing hints as to who or what they need to take with them on each stage of their journey. What started off as an adventure, a chance to make new friends and catch up with old acquaintances, has turned into a deadly nightmare. Had Tor realised how dangerous it would be, he would not have agreed to participate. Had he known how deadly it would become, he would never have allowed his companions to join him. Now he is caught in a lethal game where the only way to survive is to win. As his journey continues, Tor loses good friends, brother turns on brother and betrayal makes it hard to distinguish enemy from ally. Many weird and wonderful creatures help and hinder him along the way. When a discovery shows that nothing is as it seems, Tor is forced to wonder how many of his friends and family will live to see the end of the quest.

Modern Socio-Technical Perspectives on Privacy

This open access book provides researchers and professionals with a foundational understanding of online privacy as well as insight into the socio-technical privacy issues that are most pertinent to modern information systems, covering several modern topics (e.g., privacy in social media, IoT) and underexplored areas (e.g., privacy accessibility, privacy for vulnerable populations, cross-cultural privacy). The book is structured in four parts, which follow after an introduction to privacy on both a technical and social level:

Privacy Theory and Methods covers a range of theoretical lenses through which one can view the concept of privacy. The chapters in this part relate to modern privacy phenomena, thus emphasizing its relevance to our digital, networked lives. Next, Domains covers a number of areas in which privacy concerns and implications are particularly salient, including among others social media, healthcare, smart cities, wearable IT, and trackers. The Audiences section then highlights audiences that have traditionally been ignored when creating privacy-preserving experiences: people from other (non-Western) cultures, people with accessibility needs, adolescents, and people who are underrepresented in terms of their race, class, gender or sexual identity, religion or some combination. Finally, the chapters in Moving Forward outline approaches to privacy that move beyond one-size-fits-all solutions, explore ethical considerations, and describe the regulatory landscape that governs privacy through laws and policies. Perhaps even more so than the other chapters in this book, these chapters are forward-looking by using current personalized, ethical and legal approaches as a starting point for re-conceptualizations of privacy to serve the modern technological landscape. The book’s primary goal is to inform IT students, researchers, and professionals about both the fundamentals of online privacy and the issues that are most pertinent to modern information systems. Lecturers or teachers can assign (parts of) the book for a “professional issues” course. IT professionals may select chapters covering domains and audiences relevant to their field of work, as well as the Moving Forward chapters that cover ethical and legal aspects. Academics who are interested in studying privacy or privacy-related topics will find a broad introduction in both technical and social aspects.

Privacy-enhancing Technologies for Private Services

Curious about surveillance? Wondering about the security of your computer or phone? These are just a couple of starting points. The author, with decades of experience in the field, takes us on a journey through the digital landscape. Exhaustively researched, with hundreds of links, it's nevertheless written in an informal and entertaining style. Do you know the difference between \"a web browser\" and \"the internet\"? That's about all you'll need, to start. When you're done with this book, you'll know more than most IT (information technology) professionals do about digital security. You'll be able to analyze the claims made by tech bloggers and those who flog their own products. You'll know much, much more about the risks to your privacy and anonymity--and why they're both so important--in today's fast-moving world. Then, at the end, the author tells how he once went to jail for trying to help protect thousands of college students (including himself). It's a chilling reminder of just how easily \"spin\" can replace substance. And yet, it's a funny story. Come on in and give this book a try. You'll be glad you did. The Table of Contents: Dedication Who needs this book? What's a Barefoot Anarchist? Chapter 1: Why Privacy? Why Encrypt? The Free Speech Argument Dangers of Self-Incrimination Chapter 2: Threat Modeling Sounds Ominous! You Can't Be Totally Anonymous You Must Decide What You Can Live With Attack Surfaces Your IT department Software: Open-Source vs. Closed Companies & Policies Advertising Government & Privacy Chapter 3: Connections Internet Service Providers (ISPs) Virtual Private Networks (VPNs) The Onion Router (Tor) Wi-Fi Networks Chapter 4: Downloading Files Download Sites Use BitTorrent? How About Usenet? Chapter 5: Digital Purchases Credit Card Options A Note on Card/Banking Security A Note on Credit Itself PayPal & Similar Services Bitcoin and Friends Chapter 6: General Computing Virtual Machines Physical Security Disk Encryption Passwords & Logins Smart Cards & Biometrics Sending Anonymous Data Automatic Software Updates Anti-Virus Software Chapter 7: Operating Systems Windows? Instead of Windows? Other Linux Distros Chapter 8: Telephony Location Tracking Cellular Eavesdropping Text Messaging Baseband Hacking...and Beyond? The Metadata is the Message Phones and Wi-Fi Near-Field Communication (NFC) Android vs iOS vs Others Voice over IP (VoIP) Texting Alternatives All-in-one? Silent Circle vs. Signal Chapter 9: Web Browsing Search Engines Which Browser? \"Secure\" Connections Fingerprinting Advertising Other Plugins Chapter 10: \"Cloud\" Backups Dropbox and Friends SpiderOak & Its Pals Curmudgeonly Advice Make a Decision Chapter 11: Email Who's giving it to you? How to encrypt it? Chapter 12: Putting It All Together What's Your Threat Model? How Do We Fix Privacy? Appendix A: Encryption Primer Just the Basics Appendix B: Jail! Thanks for Reading! Excerpt from Shiver on the Sky

Take Back Your Privacy

If you are looking for a low budget, small form-factor remotely accessible hacking tool, then the concepts in this book are ideal for you. If you are a penetration tester who wants to save on travel costs by placing a low-cost node on a target network, you will save thousands by using the methods covered in this book. You do not have to be a skilled hacker or programmer to use this book. It will be beneficial to have some networking experience; however, it is not required to follow the concepts covered in this book.

Penetration Testing with Raspberry Pi

? Unleash Your Inner Hacker with “Cracking: Red Team Hacking”! ??? Are you ready to dive deep into the world of offensive security? Cracking: Red Team Hacking is your ultimate guide to mastering the four powerhouse pentesting distributions: ? Kali Linux – The industry standard for penetration testing, loaded with Metasploit, Nmap, Burp Suite, and hundreds more tools. Learn how to configure, customize, and conquer every engagement. ? Parrot OS – A nimble, privacy-first alternative that balances performance with stealth. Discover built-in sandboxing, AnonSurf integration, and lightweight workflows for covert ops. ?? BackBox – Ubuntu-based stability meets pentest prowess. Seamlessly install meta-packages for web, wireless, and reverse-engineering testing, all wrapped in a polished XFCE desktop. ?? BlackArch – Arch Linux’s rolling-release power with 2,500+ specialized tools at your fingertips. From RFID to malware analysis, build bespoke toolchains and automate complex workflows. Why You Need This Book ? Hands-On Tutorials: Step-by-step guides—from initial OS install to advanced exploit chaining—that you can follow in real time. Custom Toolchains: Learn to curate and automate your perfect toolkit with Docker, Ansible, and Packer recipes. Real-World Scenarios: Walk through cloud attacks, wireless exploits, and container escapes to sharpen your red team skills. OSINT & Social Engineering: Integrate reconnaissance tools and phishing frameworks for full-spectrum assessments. Persistence & Post-Exploitation: Master C2 frameworks (Empire, Cobalt Strike, Sliver) and implant stealthy backdoors. What You’ll Walk Away With ? Confidence to choose the right distro for every engagement Velocity to spin up environments in minutes Precision in tool selection and workflow automation Stealth for covert operations and anti-forensics Expertise to beat blue team defenses and secure real-world networks Perfect For ? Aspiring pentesters & seasoned red team operators Security consultants & in-house defenders sharpening their offense DevOps & SREs wanting to “think like an attacker” Hobbyists craving a structured, professional roadmap ? Limited-Time Offer ? Get your copy of Cracking: Red Team Hacking NOW and transform your penetration testing game. Equip yourself with the knowledge, scripts, and configurations that top red teams rely on—no fluff, pure action. ? Order Today and start cracking the code of modern security! ??

Cracking: Red team Hacking

Learn the art of building a low-cost, portable hacking arsenal using Raspberry Pi 3 and Kali Linux 2 About This Book Quickly turn your Raspberry Pi 3 into a low-cost hacking tool using Kali Linux 2 Protect your confidential data by deftly preventing various network security attacks Use Raspberry Pi 3 as honeypots to warn you that hackers are on your wire Who This Book Is For If you are a computer enthusiast who wants to learn advanced hacking techniques using the Raspberry Pi 3 as your pentesting toolbox, then this book is for you. Prior knowledge of networking and Linux would be an advantage. What You Will Learn Install and tune Kali Linux 2 on a Raspberry Pi 3 for hacking Learn how to store and offload pentest data from the Raspberry Pi 3 Plan and perform man-in-the-middle attacks and bypass advanced encryption techniques Compromise systems using various exploits and tools using Kali Linux 2 Bypass security defenses and remove data off a target network Develop a command and control system to manage remotely placed Raspberry Pis Turn a Raspberry Pi 3 into a honeypot to capture sensitive information In Detail This book will show you how to utilize the latest credit card sized Raspberry Pi 3 and create a portable, low-cost hacking tool using Kali Linux 2. You'll begin by installing and tuning Kali Linux 2 on Raspberry Pi 3 and then get started with penetration testing. You will be exposed to various network security scenarios such as wireless security, scanning network packets in order to detect any issues in the network, and capturing sensitive data. You will also learn how to plan and perform various attacks such as man-in-the-middle,

password cracking, bypassing SSL encryption, compromising systems using various toolkits, and many more. Finally, you'll see how to bypass security defenses and avoid detection, turn your Pi 3 into a honeypot, and develop a command and control system to manage a remotely-placed Raspberry Pi 3. By the end of this book you will be able to turn Raspberry Pi 3 into a hacking arsenal to leverage the most popular open source toolkit, Kali Linux 2.0. Style and approach This concise and fast-paced guide will ensure you get hands-on with penetration testing right from the start. You will quickly install the powerful Kali Linux 2 on your Raspberry Pi 3 and then learn how to use and conduct fundamental penetration techniques and attacks.

Penetration Testing with Raspberry Pi

Over 100 recipes for penetration testing using Metasploit and virtual machines Key Features Special focus on the latest operating systems, exploits, and penetration testing techniques Learn new anti-virus evasion techniques and use Metasploit to evade countermeasures Automate post exploitation with AutoRunScript Exploit Android devices, record audio and video, send and read SMS, read call logs, and much more Build and analyze Metasploit modules in Ruby Integrate Metasploit with other penetration testing tools Book Description Metasploit is the world's leading penetration testing tool and helps security and IT professionals find, exploit, and validate vulnerabilities. Metasploit allows penetration testing automation, password auditing, web application scanning, social engineering, post exploitation, evidence collection, and reporting. Metasploit's integration with InsightVM (or Nexpose), Nessus, OpenVas, and other vulnerability scanners provides a validation solution that simplifies vulnerability prioritization and remediation reporting. Teams can collaborate in Metasploit and present their findings in consolidated reports. In this book, you will go through great recipes that will allow you to start using Metasploit effectively. With an ever increasing level of complexity, and covering everything from the fundamentals to more advanced features in Metasploit, this book is not just for beginners but also for professionals keen to master this awesome tool. You will begin by building your lab environment, setting up Metasploit, and learning how to perform intelligence gathering, threat modeling, vulnerability analysis, exploitation, and post exploitation—all inside Metasploit. You will learn how to create and customize payloads to evade anti-virus software and bypass an organization's defenses, exploit server vulnerabilities, attack client systems, compromise mobile phones, automate post exploitation, install backdoors, run keyloggers, highjack webcams, port public exploits to the framework, create your own modules, and much more. What you will learn Set up a complete penetration testing environment using Metasploit and virtual machines Master the world's leading penetration testing tool and use it in professional penetration testing Make the most of Metasploit with PostgreSQL, importing scan results, using workspaces, hosts, loot, notes, services, vulnerabilities, and exploit results Use Metasploit with the Penetration Testing Execution Standard methodology Use MSFvenom efficiently to generate payloads and backdoor files, and create shellcode Leverage Metasploit's advanced options, upgrade sessions, use proxies, use Meterpreter sleep control, and change timeouts to be stealthy Who this book is for If you are a Security professional or pentester and want to get into vulnerability exploitation and make the most of the Metasploit framework, then this book is for you. Some prior understanding of penetration testing and Metasploit is required.

Metasploit Penetration Testing Cookbook

Learn Raspberry Pi 2 with Linux and Windows 10 will tell you everything you need to know about working with Raspberry Pi 2 so you can get started doing amazing things. You'll learn how to set up your new Raspberry Pi 2 with a monitor, keyboard and mouse, and how to install both Linux and Windows on your new Pi 2. Linux has always been a great fit for the Pi, but it can be a steep learning curve if you've never used it before. With this book, you'll see how easy it is to install Linux and learn how to work with it, including how to become a Linux command line pro. You'll learn that what might seem unfamiliar in Linux is actually very familiar. And now that Raspberry Pi also supports Windows 10, a chapter is devoted to setting up Windows 10 for the Internet of Things on a Raspberry Pi. Finally, you'll learn how to create these Raspberry Pi projects with Linux: Making a Pi web server: run LAMP on your own network Making your Pi wireless: remove all the cables and retain all the functionality Making a Raspber ry Pi-based security cam and

messenger service Making a Pi media center: stream videos and music from your Pi

Learn Raspberry Pi 2 with Linux and Windows 10

If programming is magic then web scraping is surely a form of wizardry. By writing a simple automated program, you can query web servers, request data, and parse it to extract the information you need. The expanded edition of this practical book not only introduces you web scraping, but also serves as a comprehensive guide to scraping almost every type of data from the modern web. Part I focuses on web scraping mechanics: using Python to request information from a web server, performing basic handling of the server's response, and interacting with sites in an automated fashion. Part II explores a variety of more specific tools and applications to fit any web scraping scenario you're likely to encounter. Parse complicated HTML pages Develop crawlers with the Scrapy framework Learn methods to store data you scrape Read and extract data from documents Clean and normalize badly formatted data Read and write natural languages Crawl through forms and logins Scrape JavaScript and crawl through APIs Use and write image-to-text software Avoid scraping traps and bot blockers Use scrapers to test your website

Web Scraping with Python

Have you wondered how hackers and nation-states gain access to confidential information on some of the most protected systems and networks in the world? Where did they learn these techniques and how do they refine them to achieve their objectives? How do I get started in a career in cyber and get hired? We will discuss and provide examples of some of the nefarious techniques used by hackers and cover how attackers apply these methods in a practical manner. The Hack Is Back is tailored for both beginners and aspiring cybersecurity professionals to learn these techniques to evaluate and find risks in computer systems and within networks. This book will benefit the offensive-minded hacker (red-teamers) as well as those who focus on defense (blue-teamers). This book provides real-world examples, hands-on exercises, and insider insights into the world of hacking, including: Hacking our own systems to learn security tools Evaluating web applications for weaknesses Identifying vulnerabilities and earning CVEs Escalating privileges on Linux, Windows, and within an Active Directory environment Deception by routing across the TOR network How to set up a realistic hacking lab Show how to find indicators of compromise Getting hired in cyber! This book will give readers the tools they need to become effective hackers while also providing information on how to detect hackers by examining system behavior and artifacts. By following the detailed and practical steps within these chapters, readers can gain invaluable experience that will make them better attackers and defenders. The authors, who have worked in the field, competed with and coached cyber teams, acted as mentors, have a number of certifications, and have tremendous passions for the field of cyber, will demonstrate various offensive and defensive techniques throughout the book.

The Hack Is Back

Cyber Security: Masters Guide 2025 is a comprehensive and practical resource for mastering the art of digital defense. Covering everything from fundamental cybersecurity concepts to advanced threat detection, ethical hacking, penetration testing, and network security, this guide is ideal for students, IT professionals, and anyone looking to build a strong foundation in cyber defense. With real-world case studies, hands-on strategies, and up-to-date techniques, this book prepares you to combat modern cyber threats, secure networks, and understand the evolving landscape of digital security.

Cyber Security: Masters Guide 2025 | Learn Cyber Defense, Threat Analysis & Network Security from Scratch

Contains instructions for timesaving techniques when using Microsoft Windows Vista, covering such topics as customizing the desktop, managing passwords, setting security, streamlining maintenance, working with

multimedia, and setting up a home network.

Windows Vista Timesaving Techniques For Dummies

Provides information to quickly improve and customize a Mac computer, enable undocumented Mac OS X features, automate tedious tasks, handle media, and troubleshoot disk issues.

Master Your Mac

This book constitutes the proceedings of the Third International Workshop on Traffic Monitoring and Analysis, TMA 2011, held in Vienna, Austria, on April 27, 2011 - co-located with EW 2011, the 17th European Wireless Conference. The workshop is an initiative from the COST Action IC0703 \"Data Traffic Monitoring and Analysis: Theory, Techniques, Tools and Applications for the Future Networks\". The 10 revised full papers and 6 poster papers presented together with 4 short papers were carefully reviewed and selected from 29 submissions. The papers are organized in topical sections on traffic analysis, applications and privacy, traffic classification, and a poster session.

Traffic Monitoring and Analysis

Your pen testing career begins here, with a solid foundation in essential skills and concepts Penetration Testing Essentials provides a starting place for professionals and beginners looking to learn more about penetration testing for cybersecurity. Certification eligibility requires work experience—but before you get that experience, you need a basic understanding of the technical and behavioral ways attackers compromise security, and the tools and techniques you'll use to discover the weak spots before others do. You'll learn information gathering techniques, scanning and enumeration, how to target wireless networks, and much more as you build your pen tester skill set. You'll learn how to break in, look around, get out, and cover your tracks, all without ever being noticed. Pen testers are tremendously important to data security, so they need to be sharp and well-versed in technique, but they also need to work smarter than the average hacker. This book set you on the right path, with expert instruction from a veteran IT security expert with multiple security certifications. IT Security certifications have stringent requirements and demand a complex body of knowledge. This book lays the groundwork for any IT professional hoping to move into a cybersecurity career by developing a robust pen tester skill set. Learn the fundamentals of security and cryptography Master breaking, entering, and maintaining access to a system Escape and evade detection while covering your tracks Build your pen testing lab and the essential toolbox Start developing the tools and mindset you need to become experienced in pen testing today.

Penetration Testing Essentials

Use real-world reconnaissance techniques to efficiently gather sensitive information on systems and networks Purchase of the print or Kindle book includes a free PDF eBook Key Features Learn how adversaries use reconnaissance techniques to discover security vulnerabilities on systems Develop advanced open source intelligence capabilities to find sensitive information Explore automated reconnaissance and vulnerability assessment tools to profile systems and networks Book DescriptionThis book explores reconnaissance techniques – the first step in discovering security vulnerabilities and exposed network infrastructure. It aids ethical hackers in understanding adversaries' methods of identifying and mapping attack surfaces, such as network entry points, which enables them to exploit the target and steal confidential information. Reconnaissance for Ethical Hackers helps you get a comprehensive understanding of how threat actors are able to successfully leverage the information collected during the reconnaissance phase to scan and enumerate the network, collect information, and pose various security threats. This book helps you stay one step ahead in knowing how adversaries use tactics, techniques, and procedures (TTPs) to successfully gain information about their targets, while you develop a solid foundation on information gathering strategies as a cybersecurity professional. The concluding chapters will assist you in developing the skills and techniques

used by real adversaries to identify vulnerable points of entry into an organization and mitigate reconnaissance-based attacks. By the end of this book, you'll have gained a solid understanding of reconnaissance, as well as learned how to secure yourself and your organization without causing significant disruption.What you will learn Understand the tactics, techniques, and procedures of reconnaissance Grasp the importance of attack surface management for organizations Find out how to conceal your identity online as an ethical hacker Explore advanced open source intelligence (OSINT) techniques Perform active reconnaissance to discover live hosts and exposed ports Use automated tools to perform vulnerability assessments on systems Discover how to efficiently perform reconnaissance on web applications Implement open source threat detection and monitoring tools Who this book is forIf you are an ethical hacker, a penetration tester, red teamer, or any cybersecurity professional looking to understand the impact of reconnaissance-based attacks, how they take place, and what organizations can do to protect against them, then this book is for you. Cybersecurity professionals will find this book useful in determining the attack surface of their organizations and assets on their network, while understanding the behavior of adversaries.

Reconnaissance for Ethical Hackers

Written by experts on the frontlines, Investigating Internet Crimes provides seasoned and new investigators with the background and tools they need to investigate crime occurring in the online world. This invaluable guide provides step-by-step instructions for investigating Internet crimes, including locating, interpreting, understanding, collecting, and documenting online electronic evidence to benefit investigations. Cybercrime is the fastest growing area of crime as more criminals seek to exploit the speed, convenience and anonymity that the Internet provides to commit a diverse range of criminal activities. Today's online crime includes attacks against computer data and systems, identity theft, distribution of child pornography, penetration of online financial services, using social networks to commit crimes, and the deployment of viruses, botnets, and email scams such as phishing. Symantec's 2012 Norton Cybercrime Report stated that the world spent an estimated $110 billion to combat cybercrime, an average of nearly $200 per victim. Law enforcement agencies and corporate security officers around the world with the responsibility for enforcing, investigating and prosecuting cybercrime are overwhelmed, not only by the sheer number of crimes being committed but by a lack of adequate training material. This book provides that fundamental knowledge, including how to properly collect and document online evidence, trace IP addresses, and work undercover. - Provides step-by-step instructions on how to investigate crimes online - Covers how new software tools can assist in online investigations - Discusses how to track down, interpret, and understand online electronic evidence to benefit investigations - Details guidelines for collecting and documenting online evidence that can be presented in court

Investigating Internet Crimes

Dark Web Demystified offers a comprehensive exploration of the dark web, venturing into the hidden corners of the internet inaccessible to standard search engines. The book argues that understanding this enigmatic realm is crucial in today's interconnected world, moving beyond sensationalism to provide a fact-based analysis of its technological and social complexities. One intriguing fact is that while the dark web is known for illicit activities like black markets for drugs and weapons, it also serves as a platform for whistleblowers and activists seeking anonymity. The book emphasizes the importance of cybersecurity and online anonymity when navigating this digital space. The book begins by defining the dark web and differentiating it from the deep and surface web, explaining technologies like Tor and I2P. It progresses by analyzing various activities, from legal to illegal, presenting case studies and examining legal and ethical challenges. Dark Web Demystified provides a balanced perspective on the dark web's threats and opportunities, making it valuable for IT professionals, cybersecurity specialists, law enforcement, and anyone interested in understanding this complex aspect of the internet. The book draws from academic research, government reports, and interviews to present a nuanced view.

Dark Web Demystified

In the mid-1970s, Whitfield Diffie and Martin Hellman invented public key cryptography, an innovation that ultimately changed the world. Today public key cryptography provides the primary basis for secure communication over the internet, enabling online work, socializing, shopping, government services, and much more. While other books have documented the development of public key cryptography, this is the first to provide a comprehensive insiders' perspective on the full impacts of public key cryptography, including six original chapters by nine distinguished scholars. The book begins with an original joint biography of the lives and careers of Diffie and Hellman, highlighting parallels and intersections, and contextualizing their work. Subsequent chapters show how public key cryptography helped establish an open cryptography community and made lasting impacts on computer and network security, theoretical computer science, mathematics, public policy, and society. The volume includes particularly influential articles by Diffie and Hellman, as well as newly transcribed interviews and Turing Award Lectures by both Diffie and Hellman. The contributed chapters provide new insights that are accessible to a wide range of readers, from computer science students and computer security professionals, to historians of technology and members of the general public. The chapters can be readily integrated into undergraduate and graduate courses on a range of topics, including computer security, theoretical computer science and mathematics, the history of computing, and science and technology policy.

Democratizing Cryptography

Thor's OS Xodus: Securely Migrating from Microsoft Windows to Mac OS X provides readers with everything they need to securely and successfully migrate from Microsoft to Mac. It includes information that can be found nowhere else, enabling users to execute a MSFT to OS X migration seamlessly and with minimal downtime. The text is the most complete roadmap for entities that want to move away from Microsoft and decouple their dependency on Microsoft products. It is a perfect choice for enterprise computing, providing the ease and simplicity of a UI that can also be incredibly customized via configuration files because of its BSD core. The text, authored by Thor Mullen, the founder of the \"Hammer of God\" security co-op group and Principal Security Architect for a worldwide, multi-billion dollar commerce platform, provides the perfect combination of Windows and Unix. - Provides the best way to migrate from Microsoft products to OSX with information found in no other text - The most complete roadmap for entities who want to move away from Microsoft and decouple their dependency on Microsoft products - Authored by Thor Mullen, Principal Security Architect for a multi-billion dollar commerce platform, who teaches users how to create a secure OSX installation - Unique resource that provides valuable information on moving from IIS to Apache, from MS SQL Server to MySQL, from .NET to PHP

Thor's OS Xodus

This book constitutes the refereed proceedings of the 13th International Symposium on Privacy Enhancing Technologies, PET 2013, held in Bloomington, IN, USA, in July 2013. The 13 full papers presented were carefully selected from 69 submissions. Topics addressed include data privacy, privacy-oriented cryptography, location privacy, performance of the Tor network, censorship evasion, traffc analysis, and user-related privacy perspectives.

Privacy Enhancing Technologies

** Featured as a Guardian Long Read ** '[A] fast-paced, myth busting exposé' Max Blumenthal, author of The Management of Savagery 'Contentious... forceful... salutary' The New Yorker EVERYTHING WE HAVE BEEN TOLD ABOUT THE DEMOCRATIC NATURE OF THE INTERNET IS A MARKETING PLOY. As the Cambridge Analytica scandal has shown, private corporations consider it their right to use our data (and by extension, us) which ever way they see fit. Tempted by their appealing organisational and diagnostic tools, we have allowed private internet corporations access to the most intimate corners of our

lives. But the internet was developed, from the outset, as a weapon. Looking at the hidden origins of many internet corporations and platforms, Levine shows that this is a function, not a bug of the online experience. Conceived as a surveillance tool by ARPA to control insurgents in the Vietnam War, the internet is now essential to our lives. This book investigates the troubling and unavoidable truth of its history and the unfathomable power of the corporations who now more or less own it. Without this book, your picture of contemporary society will be missing an essential piece of the puzzle. 'A masterful job of research and reporting about the military origins of the 'world wide web' and how its essential nature has not changed in the years since its creation during the Cold War.' - Tim Shorrock, author of Spies For Hire

Surveillance Valley

An expert on computer privacy and security shows how we can build privacy into the design of systems from the start. We are tethered to our devices all day, every day, leaving data trails of our searches, posts, clicks, and communications. Meanwhile, governments and businesses collect our data and use it to monitor us without our knowledge. So we have resigned ourselves to the belief that privacy is hard--choosing to believe that websites do not share our information, for example, and declaring that we have nothing to hide anyway. In this informative and illuminating book, a computer privacy and security expert argues that privacy is not that hard if we build it into the design of systems from the start. Along the way, Jaap-Henk Hoepman debunks eight persistent myths surrounding computer privacy. The website that claims it doesn't collect personal data, for example; Hoepman explains that most data is personal, capturing location, preferences, and other information. You don't have anything to hide? There's nothing wrong with wanting to keep personal information--even if it's not incriminating or embarrassing--private. Hoepman shows that just as technology can be used to invade our privacy, it can be used to protect it, when we apply privacy by design. Hoepman suggests technical fixes, discussing pseudonyms, leaky design, encryption, metadata, and the benefits of keeping your data local (on your own device only), and outlines privacy design strategies that system designers can apply now.

Privacy Is Hard and Seven Other Myths

The book is designed for a practical approach to learning, with examples based on scenarios. It covers possible OSINT blueprints from the beginning to an advanced level KEY FEATURES ? Learn about OSINT and how to set up an OSINT environment for investigations. ? Master techniques for tracking fraud SMS and investigating emails. ? Explore reverse image searching and geolocation strategies. DESCRIPTION OSINT is a powerful technology used to gather and analyze information from publicly available sources. It empowers cybersecurity professionals to proactively detect and mitigate threats. This book serves as a comprehensive guide offering strategic approaches and practical insights into leveraging OSINT for cybersecurity defense. This book is an all-encompassing guide to open-source intelligence (OSINT). It meticulously details tools, techniques, and applications across a multitude of domains. The book explores OSINT’s use in social media, email domains, IP addresses, images, videos, documents, mobile numbers, companies, job postings, and the dark web. It probes OSINT’s application for threat intelligence, data leak detection, understanding encryption, and digital certificates, assessing fake news, reverse image search, geolocation workarounds, real image identification, finding banned organizations, handling sensitive information like Aadhar and Social Security Numbers, while also tracking fraudulent SMS. By the end of this book, readers will emerge as competent cybersecurity professionals equipped with the skills and expertise to navigate the ever-evolving landscape of cyber threats with confidence and proficiency. WHAT YOU WILL LEARN ? Understand the fundamentals of OSINT in cybersecurity. ? Securing web browsers and ensuring online privacy. ? Investigating emails and tracking cyber threats. ? Gain insights into tracking mobile identities and domain or IP investigations. ? Enhance cybersecurity defenses with practical case studies. WHO THIS BOOK IS FOR This book is essential for cybersecurity professionals, investigators, law enforcement, and digital forensics analysts seeking advanced OSINT strategies. TABLE OF CONTENTS 1. Setting up OSINT Environment 2. Secure Browsers 3. Exploring OS Security 4. Online Privacy and Security 5. Tail OS in Use 6. Using Tor Browser 7. Advanced Search Tools 8. Sock Puppet Accounts 9. Exploring

Footprinting 10. Investigating E-mails 11. Utilizing Social Media 12. Tracking Family and Friends 13. Mobile Identity Search 14. Mining Online Communities 15. Investigating Domain and IP 16. Detection of Data Leaks 17. Understanding Encryption and Digital Certificates 18. Access Fake News 19. Reverse Image Search 20. Geo-location 21. Identify Real Images 22. Use of Aadhaar and Social Security Number 23. Tracking Fraud SMS

Mastering Open Source Threat Analysis Strategies

Tired of being spied on? Defeated by an IRS that rivales the Mob? Turn the tables on Big Brother and become a spy yourself in this 4-part super pack that shows you easy, step-by-step guides on how to be James Bond, Ethan Hunt or Jason Bourne. Learn how the NSA's superhackers, the CIA top agents and special forces deflect surveillance and, let's face it, how to Be The Man Who Wasn't There when you really need it (true invisibility!). You need to learn survival and encryption to stay off the radar of enemies foreign and domestic...especially Big Brother! Digital doctor and encryption expert Lance Henderson takes you on a wild ride into a cyberspace underworld at the far reaches of the Deep Web and beyond. Venture into the darkest places of the web wearing the best encryption armor in existence, all for free. See places you cannot access on the open web. Grab free intel you can't anywhere else. Master the dark art of anonymity today. Because now is the time. But don't go without reading this book first. It would be like taking a submarine into the Laurentian Abyss in the Atlantic Ocean looking for the Titanic. You won't find it without a guide, course correction and an expert who has seen it first hand and lived to tell about it. Dead men tell no tales. Explore the most dangerous places on the internet while encrypting yourself - Places where the NSAs superhackers tread and cybercrime kingpins like Silk Road founder Ross Ulbrecht thrived--where anonymity reigns and censorship does not exist. Reject ISP spying and surveillance today as I show you how to master the dark art of anonymity. You will be invisible online, anywhere, for free, instantly. Thousands of free hidden sites, files, intel and products you cannot get on the open web are now yours for the taking. Inside: Browse anonymously. Hidden files. Hidden wikis. Kill spying by Big Brother, Big Data, Big Media Dead. Anti-hacking guides: Tor. Freenet (Super Darknets). Vpns you can trust. Prevent a security breach with the best online privacy for FREE Buy incognito off the Deep Web: Burners. Black Markets. Exotic items. Anonymously and Off Grid. Opsec & the Phones Special Forces & the CIA use for best security practices Cryptocurrency (Digital Currency) for beginners Anti-hacking the Snowden Way, the art of exploitation... and preventing it! Mobile Security for Android, Windows, Linux, Kindle Fire & iPhone Opsec and Lethal Defense in Survival Scenarios (Enemy of the State) Spy vs. Spy! If ever a book bundle laid out the blueprint for living like James Bond or Ethan Hunt, this is it. Four books that will change your life. Because now is the time, brother. Topics: hacking, blackhat, app security, burner phones, law enforcement, FBI profiles and how to, police raid tactics, pc computer security, network security, cold war, spy books, cyber warfare, cloud security, norton antivirus, mcafee, kali linux, encryption, digital forensics, operational security, vpn, python programming, red hat linux, cryptography, wifi security, Cyberwar, raspberry pi, cybercrime, cybersecurity book, cryptocurrency, bitcoin, dark web, burn notice, csi cyber, mr. robot, Silicon Valley, IT Crowd, opsec, person of interest, breaking bad opsec, navy seal, special forces, marines, special warfare infosec, dark web guide, tor browser app, art of invisibility, the matrix, personal cybersecurity manual, ethical hacking, Computer genius, former military, Delta Force, cia operative, nsa, google privacy, android security, Macintosh, Iphone security, Windows security, Blackberry phones. Other readers of Henderson’s books enjoyed books by: Peter Kim, Kevin Mitnick, Edward Snowden, Ben Clark, Michael Sikorski, Shon Harris, David Kennedy, Bruce Schneier, Peter Yaworski, Joseph Menn, Christopher Hadnagy, Michael Sikorski, Mary Aiken, Adam Shostack, Michael Bazzell, Nicole Perlroth, Andy Greenberg, Kim Zetter, Cliff Stoll, Merlin Sheldrake

Espionage & Encryption Super Pack

In the space of a few years, Bitcoin has gone from an idea ignored or maligned by almost everyone to an asset with a market cap of more than $12 billion. Venture capital firms, Goldman Sachs, the New York Stock Exchange, and billionaires such as Richard Branson and Peter Thiel have invested more than $1 billion in

companies built on this groundbreaking technology. Bill Gates has even declared it ‘better than currency’. The pioneers of Bitcoin were twenty-first-century outlaws – cryptographers, hackers, Free Staters, ex-cons and drug dealers, teenage futurists and self-taught entrepreneurs – armed with a renegade ideology and a grudge against big government and big banks. Now those same institutions are threatening to co-opt or curtail the impact of digital currency. But the pioneers, some of whom have become millionaires themselves, aren’t going down without a fight. Sweeping and provocative, How Money Got Free reveals how this disruptive technology is shaping the debate around competing ideas of money and liberty, and what that means for our future.

How Money Got Free

Build your defense against web attacks with Kali Linux 2.0 About This Book Gain a deep understanding of the flaws in web applications and exploit them in a practical manner Get hands-on web application hacking experience with a range of tools in Kali Linux 2.0 Develop the practical skills required to master multiple tools in the Kali Linux 2.0 toolkit Who This Book Is For If you are already working as a network penetration tester and want to expand your knowledge of web application hacking, then this book tailored for you. Those who are interested in learning more about the Kali Sana tools that are used to test web applications will find this book a thoroughly useful and interesting guide. What You Will Learn Set up your lab with Kali Linux 2.0 Identify the difference between hacking a web application and network hacking Understand the different techniques used to identify the flavor of web applications 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 Find out about the mitigation techniques used to negate the effects of the Injection and Blind SQL attacks In Detail Kali Linux 2.0 is the new generation of the industry-leading BackTrack Linux penetration testing and security auditing Linux distribution. It contains several hundred tools aimed at various information security tasks such as penetration testing, forensics, and reverse engineering. At the beginning of the book, you will be introduced to the concepts of hacking and penetration testing and will get to know about the tools used in Kali Linux 2.0 that relate to web application hacking. Then, you will gain a deep understanding of SQL and command injection flaws and ways to exploit the flaws. Moving on, you will get to know more about scripting and input validation flaws, AJAX, and the security issues related to AJAX. At the end of the book, you will use an automated technique called fuzzing to be able to identify flaws in a web application. Finally, you will understand the web application vulnerabilities and the ways in which they can be exploited using the tools in Kali Linux 2.0. Style and approach This step-by-step guide covers each topic with detailed practical examples. Every concept is explained with the help of illustrations using the tools available in Kali Linux 2.0.

Web Penetration Testing with Kali Linux

The digital age has brought immense opportunities and conveniences, but with it comes a growing wave of cyber threats. Cybercriminals are constantly evolving, exploiting vulnerabilities in systems, networks, and applications. The only way to counter these threats is by staying one step ahead — understanding how attackers think, operate, and exploit weaknesses. This is the essence of ethical hacking. Ethical hacking, also known as penetration testing, involves legally and systematically testing systems to identify vulnerabilities before malicious hackers can exploit them. It’s a proactive approach to cybersecurity, and at its core is the commitment to making the digital world safer for everyone. This book, Mastering Kali Linux: A Comprehensive Guide to Ethical Hacking Techniques, is your gateway to the exciting and challenging field of ethical hacking. It’s not just about learning how to use hacking tools; it’s about adopting a mindset of curiosity, persistence, and ethical responsibility. Kali Linux, the tool of choice for ethical hackers worldwide, will be our foundation for exploring the tools, techniques, and methodologies that make ethical hacking possible. Who This Book Is For This book is designed for a diverse audience: Beginners: Those who are new to ethical hacking and cybersecurity, looking for a structured introduction to the field. IT Professionals: Network administrators, system engineers, and IT specialists who want to enhance their skills in penetration testing and vulnerability assessment. Advanced Users: Experienced ethical hackers seeking to deepen their

knowledge of advanced tools and techniques in Kali Linux. What You'll Learn This book covers a wide range of topics, including: Installing and configuring Kali Linux on various platforms. Mastering essential Linux and networking concepts. Understanding the ethical and legal aspects of hacking. Using Kali Linux tools for reconnaissance, scanning, exploitation, and reporting. Exploring specialized areas like web application security, wireless network hacking, and social engineering. Developing the skills needed to plan and execute professional penetration tests. Why Kali Linux? Kali Linux is more than just an operating system; it's a comprehensive platform designed for cybersecurity professionals. It comes preloaded with hundreds of tools for ethical hacking, penetration testing, and digital forensics, making it the perfect choice for both learning and professional work. Its flexibility, open-source nature, and active community support have made it the go-to tool for ethical hackers around the globe. A Word on Ethics With great power comes great responsibility. The techniques and tools discussed in this book are powerful and can cause harm if misused. Always remember that ethical hacking is about protecting, not exploiting. This book emphasizes the importance of obtaining proper authorization before testing any system and adhering to legal and ethical standards. How to Use This Book The book is structured to take you on a journey from foundational concepts to advanced techniques: Part I introduces Kali Linux and its setup. Part II explores ethical hacking fundamentals. Part III dives into using Kali Linux for reconnaissance and vulnerability analysis. Part IV covers exploitation, post-exploitation, and advanced techniques. Part V focuses on practical penetration testing workflows and career development. Appendices provide additional resources and tools to enhance your learning. Feel free to follow the chapters sequentially or skip to specific sections based on your interests or experience level. Hands-on practice is essential, so make use of the exercises and lab setups provided throughout the book. The Road Ahead Ethical hacking is a rewarding but ever-evolving field. By mastering Kali Linux and the techniques outlined in this book, you'll gain a strong foundation to build your skills further. More importantly, you'll join a community of professionals dedicated to making the digital world a safer place. Welcome to the world of ethical hacking. Let's begin.

Dictionary of Occupational Titles: Occupational classification and industry index

Facing destruction by a neutron star, Earth sends out seed ships into the cosmos to perpetuate the human race. Ship 94 arrives at its destination, an earth-like planet, where it completes its mission to produce at least three hundred human breeding pairs, along with animals that would be of use to them, and training resources to give the new colony a jump-start into the Iron Age. Five-hundred ninety-seven years later, Tor, a young man, and his mastiff dog, Benjy, returns from hunting to find his entire village massacred by invading soldiers of the Nurtiska Empire. With no other choice, he must flee. Thus begins an odyssey of revenge that turns into a search for a place of refuge for himself and the survivors of the Delta Clans. In his travels, he meets and takes as mate Koreen, a young woman of his own age. Will they find a refuge for themselves and the survivors of the Delta Clans where the Nurtiska Empire can never find them?

Mastering Kali Linux

This book constitutes the thoroughly refereed post-workshop proceedings of the 18th International Workshop on Security Protocols, held in Cambridge, UK, in March 2010. After an introduction the volume presents 16 revised papers and one abstract, each followed by a revised transcript of the discussion ensuing the presentation at the event. The theme of this year's workshop was \"Virtually Perfect Security\".

Tor's Odyssey

This book covers topics needed to be considered in research around usable privacy. The book starts from a psychological perspective and introduces readers to basic behavioral theories and models that can explain end-user privacy behavior (including the "privacy paradox") on a theoretical level. Subsequently, an introduction to different study methods (e.g., experiment, survey, interviews, co-creation) used in usable privacy research is given. Based on this, different methodological aspects, such as identifying appropriate questionnaires, and applying User-Centered Design, will be discussed. Finally, the book describes

application areas for privacy research such as dark patterns and presents solutions for privacy protection, e.g., regarding consent-giving and PETs. The book aims to bring together the different research approaches to the topic of usable privacy, which often originate from computer science, psychology, and law, and provide a methodologically sound basis for researchers who want to delve deeper into this topic. This is an open access book.

Security Protocols XVIII

This volume contains the workshopproceedings of the accompanying workshops of the 14th Financial Cryptograpy and Data Security International Conference 2010, held on Tenerife, Canary Islands, Spain, January 25-28, 2010. FinancialCryptographyandData Securityis a majorinternationalforumfor research, advanced development, education, exploration, and debate regarding information assurance, with a speci?c focus on commercial contexts. The c- ference covers all aspects of securing transactions and systems and especially encourages original work focusing on both fundamental and applied real-world deployments on all aspects surrounding commerce security. Three workshops were co-located with FC 2010: the Workshop on Real-Life CryptographicProtocolsandStandardization(RLCPS),theWorkshoponEthics in Computer Security Research (WECSR), and the Workshop on Lightweight Cryptography for Resource-Constrained Devices (WLC). Intimate and colorful by tradition, the high-quality program was not the only attraction of FC. In the past, FC conferences have been held in highly research-synergistic locations such as Tobago, Anguilla, Dominica, Key West, Guadelupe, Bermuda, the Grand Cayman, and Cozumel Mexico. 2010 was the ?rst year that the conference was held on European soil, in the Spanish Canary Islands, in Atlantic waters, a few miles across Morocco. Over 100 researchers from more than 20 countries were in attendance.

Human Factors in Privacy Research

- \"This unique book delves down into the capabilities of hiding and obscuring data object within the Windows Operating System. However, one of the most noticeable and credible features of this publication is, it takes the reader from the very basics and background of data hiding techniques, and run's on the reading-road to arrive at some of the more complex methodologies employed for concealing data object from the human eye and/or the investigation. As a practitioner in the Digital Age, I can see this book siting on the shelves of Cyber Security Professionals, and those working in the world of Digital Forensics – it is a recommended read, and is in my opinion a very valuable asset to those who are interested in the landscape of unknown unknowns. This is a book which may well help to discover more about that which is not in immediate view of the onlooker, and open up the mind to expand its imagination beyond its accepted limitations of known knowns.\" - John Walker, CSIRT/SOC/Cyber Threat Intelligence Specialist - Featured in Digital Forensics Magazine, February 2017 In the digital world, the need to protect online communications increase as the technology behind it evolves. There are many techniques currently available to encrypt and secure our communication channels. Data hiding techniques can take data confidentiality to a new level as we can hide our secret messages in ordinary, honest-looking data files. Steganography is the science of hiding data. It has several categorizations, and each type has its own techniques in hiding. Steganography has played a vital role in secret communication during wars since the dawn of history. In recent days, few computer users successfully manage to exploit their Windows® machine to conceal their private data. Businesses also have deep concerns about misusing data hiding techniques. Many employers are amazed at how easily their valuable information can get out of their company walls. In many legal cases a disgruntled employee would successfully steal company private data despite all security measures implemented using simple digital hiding techniques. Human right activists who live in countries controlled by oppressive regimes need ways to smuggle their online communications without attracting surveillance monitoring systems, continuously scan in/out internet traffic for interesting keywords and other artifacts. The same applies to journalists and whistleblowers all over the world. Computer forensic investigators, law enforcements officers, intelligence services and IT security professionals need a guide to tell them where criminals can conceal their data in Windows® OS & multimedia files and how they can discover concealed data quickly and retrieve it in a forensic way. Data Hiding Techniques in Windows OS is a response to all

these concerns. Data hiding topics are usually approached in most books using an academic method, with long math equations about how each hiding technique algorithm works behind the scene, and are usually targeted at people who work in the academic arenas. This book teaches professionals and end users alike how they can hide their data and discover the hidden ones using a variety of ways under the most commonly used operating system on earth, Windows®.

Financial Cryptography and Data Security

Discover the most prevalent cyber threats against individual users of all kinds of computing devices. This book teaches you the defensive best practices and state-of-the-art tools available to you to repel each kind of threat. Personal Cybersecurity addresses the needs of individual users at work and at home. This book covers personal cybersecurity for all modes of personal computing whether on consumer-acquired or company-issued devices: desktop PCs, laptops, mobile devices, smart TVs, WiFi and Bluetooth peripherals, and IoT objects embedded with network-connected sensors. In all these modes, the frequency, intensity, and sophistication of cyberattacks that put individual users at risk are increasing in step with accelerating mutation rates of malware and cybercriminal delivery systems. Traditional anti-virus software and personal firewalls no longer suffice to guarantee personal security. Users who neglect to learn and adopt the new ways of protecting themselves in their work and private environments put themselves, their associates, and their companies at risk of inconvenience, violation, reputational damage, data corruption, data theft, system degradation, system destruction, financial harm, and criminal disaster. This book shows what actions to take to limit the harm and recover from the damage. Instead of laying down a code of \"thou shalt not\" rules that admit of too many exceptions and contingencies to be of much practical use, cloud expert Marvin Waschke equips you with the battlefield intelligence, strategic understanding, survival training, and proven tools you need to intelligently assess the security threats in your environment and most effectively secure yourself from attacks. Through instructive examples and scenarios, the author shows you how to adapt and apply best practices to your own particular circumstances, how to automate and routinize your personal cybersecurity, how to recognize security breaches and act swiftly to seal them, and how to recover losses and restore functionality when attacks succeed. What You'll Learn Discover how computer security works and what it can protect us from See how a typical hacker attack works Evaluate computer security threats to the individual user and corporate systems Identify the critical vulnerabilities of a computer connected to the Internet Manage your computer to reduce vulnerabilities to yourself and your employer Discover how the adoption of newer forms of biometric authentication affects you Stop your router and other online devices from being co-opted into disruptive denial of service attacks Who This Book Is For Proficient and technically knowledgeable computer users who are anxious about cybercrime and want to understand the technology behind both attack anddefense but do not want to go so far as to become security experts. Some of this audience will be purely home users, but many will be executives, technical managers, developers, and members of IT departments who need to adopt personal practices for their own safety and the protection of corporate systems. Many will want to impart good cybersecurity practices to their colleagues. IT departments tasked with indoctrinating their users with good safety practices may use the book as training material.

Data Hiding Techniques in Windows OS

A Guide to Using the Anonymous Web in Libraries and Information Organizations provides practical guidance to those who are interested in integrating the anonymous web into their services. It will be particularly useful to those seeking to promote enhanced privacy for their patrons. The book begins by explaining, in simple terms, what the anonymous web is, how it works, and its benefits for users. Lund and Beckstrom also explain why they believe access to the anonymous web should be provided in library and information organizations around the world. They describe how to provide access, as well as educate library users on how to utilize the anonymous web and navigate any challenges that might arise during implementation. The authors also encourage the development of library policies that guide appropriate conduct and filter content, where appropriate, in order to deter illegal activity. A Guide to Using the Anonymous Web in Libraries and Information Organizations reminds us that libraries and other information

providers have a duty to educate and support their communities, while also preserving privacy. Demonstrating that the anonymous web can help them to fulfil these obligations, this book will be essential reading for library and information professionals working around the world.

Personal Cybersecurity

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.

A Guide to Using the Anonymous Web in Libraries and Information Organizations

Dictionary of Occupational Titles

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