The Hacker Playbook Practical Guide To Penetration Testing Kindle Edition Peter Kim

ATDD by ExampleLearning Kali LinuxAbove Ground Storage TanksEthical Hacking and Penetration Testing GuideThe Basics of Hacking and Penetration TestingMetasploitThe Art of IntrusionThe Web Application Hacker's HandbookReal-World Bug HuntingRed Team Development and OperationsPenetration TestingHacking Wireless NetworksThe Hacker Playbook 2Practical Web Penetration TestingHackingThe Hacker Playbook 3Hacking with Kali LinuxPractical Guide for Clinical Neurophysiologic Testing: EEGCybersecurity Blue Team ToolkitPractical Lock PickingBecoming the HackerWeb Security, Privacy & CommerceFunctional Python ProgrammingThe IoT Hacker's HandbookMastering Modern Web Penetration TestingCUCKOO'S EGGThe Social Engineer's PlaybookBlack Hat PythonBlue Team Field ManualPython for Offensive PenTestGetting Started Becoming a Master HackerRed TeamRtfmHacking- The art Of ExploitationThe Car Hacker's HandbookSocial EngineeringThe Second American RevolutionAdvanced Penetration TestingLinux Basics for HackersThe Art of Deception

ATDD by Example

Your one-stop guide to using Python, creating your own hacking tools, and making the most out of resources available for this programming language Key Features Comprehensive information on building a web application penetration testing framework using Python Master web application penetration testing using the multi-paradigm programming language Python Detect vulnerabilities in a system or application by writing your own Python scripts Book Description Python is an easy-to-learn and cross-platform programming language that has unlimited third-party libraries. Plenty of open source hacking tools are written in Python, which can be easily integrated within your script. This book is packed with step-by-step instructions and working examples to make you a skilled penetration tester. It is divided into clear bite-sized chunks, so you can learn at your own pace and focus on the areas of most interest to you. This book will teach you how to code a reverse shell and build an anonymous shell. You will also learn how to hack passwords and perform a privilege escalation on Windows with practical examples. You will set up your own virtual hacking environment in VirtualBox, which will help you run multiple operating systems for your testing environment. By the end of this book, you will have learned how to code your own scripts and mastered ethical hacking from scratch. What you will learn Code your own reverse shell (TCP and HTTP) Create your own anonymous shell by interacting with Twitter, Google Forms, and SourceForge Replicate Metasploit features and build an advanced shell Hack passwords using multiple techniques (API hooking, keyloggers, and clipboard hijacking) Exfiltrate data from your target Add encryption (AES, RSA, and XOR) to your shell to learn how cryptography is being abused by malware Discover privilege escalation on Windows with practical examples Countermeasures against most

attacks Who this book is for This book is for ethical hackers; penetration testers; students preparing for OSCP, OSCE, GPEN, GXPN, and CEH; information security professionals; cybersecurity consultants; system and network security administrators; and programmers who are keen on learning all about penetration testing.

Learning Kali Linux

Essential reading for business leaders and policymakers, an in-depth investigation of red teaming, the practice of inhabiting the perspective of potential competitors to gain a strategic advantage Red teaming. The concept is as old as the Devil's Advocate, the eleventh-century Vatican official charged with discrediting candidates for sainthood. Today, red teams are used widely in both the public and the private sector by those seeking to better understand the interests, intentions, and capabilities of institutional rivals. In the right circumstances, red teams can yield impressive results, giving businesses an edge over their competition, poking holes in vital intelligence estimates, and troubleshooting dangerous military missions long before boots are on the ground. But not all red teams are created equal; indeed, some cause more damage than they prevent. Drawing on a fascinating range of case studies, Red Team shows not only how to create and empower red teams, but also what to do with the information they produce. In this vivid, deeply-informed account, national security expert Micah Zenko provides the definitive book on this important strategy -- full of vital insights for decision makers of all kinds.

Above Ground Storage Tanks

Requiring no prior hacking experience, Ethical Hacking and Penetration Testing Guide supplies a complete introduction to the steps required to complete a penetration test, or ethical hack, from beginning to end. You will learn how to properly utilize and interpret the results of modern-day hacking tools, which are required to complete a penetration test. The book covers a wide range of tools, including Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender rootkit. Supplying a simple and clean explanation of how to effectively utilize these tools, it details a four-step methodology for conducting an effective penetration test or hack.Providing an accessible introduction to penetration testing and hacking, the book supplies you with a fundamental understanding of offensive security. After completing the book you will be prepared to take on in-depth and advanced topics in hacking and penetration testing. The book walks you through each of the steps and tools in a structured, orderly manner allowing you to understand how the output from each tool can be fully utilized in the subsequent phases of the penetration test. This process will allow you to clearly see how the various tools and phases relate to each other. An ideal resource for those who want to learn about ethical hacking but dont know where to start, this book will help take your hacking skills to the next level. The topics described in this book comply with international standards and with what is being taught in international certifications.

Ethical Hacking and Penetration Testing Guide

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

The Basics of Hacking and Penetration Testing

This tutorial-style book follows upon Occupytheweb's Best Selling "Linux Basics for Hackers" and takes the reader along the next step to becoming a Master Hacker. Occupytheweb offers his unique style to guide the reader through the various professions where hackers are in high demand (cyber intelligence, pentesting, bug bounty, cyber warfare, and many others) and offers the perspective of the history of hacking and the legal framework. This book then guides the reader through the essential skills and tools before offering step-by-step tutorials of the essential tools and techniques of the hacker including reconnaissance, password cracking, vulnerability scanning, Metasploit 5, antivirus evasion, covering your tracks, Python, and social engineering. Where the reader may want a deeper understanding of a particular subject, there are links to more complete articles on a particular subject.Master OTW provides a fresh and unique approach of using the NSA's EternalBlue malware as a case study. The reader is given a glimpse into one of history's most devasting pieces of malware from the vulnerability, exploitation, packet-level analysis and reverse-engineering Python. This section of the book should be enlightening for both the novice and the advanced practioner.Master OTW doesn't just provide tools and techniques, but rather he provides the unique insights into the mindset and strategic thinking of the hacker.This is a must read for anyone considering a career into cyber security!

Metasploit

The Red Team Field Manual (RTFM) is a no fluff, but thorough reference guide for serious Red Team members who routinely

find themselves on a mission without Google or the time to scan through a man page. The RTFM contains the basic syntax for commonly used Linux and Windows command line tools, but it also encapsulates unique use cases for powerful tools such as Python and Windows PowerShell. The RTFM will repeatedly save you time looking up the hard to remember Windows nuances such as Windows wmic and dsquery command line tools, key registry values, scheduled tasks syntax, startup locations and Windows scripting. More importantly, it should teach you some new red team techniques.

The Art of Intrusion

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.

The Web Application Hacker's Handbook

The Social Engineer's Playbook is a practical guide to pretexting and a collection of social engineering pretexts for Hackers, Social Engineers and Security Analysts. Build effective social engineering plans using the techniques, tools and expert guidance in this book. Learn valuable elicitation techniques, such as: Bracketing, Artificial Ignorance, Flattery, Sounding Board and others. This book covers an introduction to tools, such as: Maltego, Social Engineer Toolkit, Dradis, Metasploit and Kali Linux among others. Crucial to any social engineering test is the information used to build it. Discover the most valuable sources of intel and how to put them to use.

Real-World Bug Hunting

This book is the culmination of years of experience in the information technology and cybersecurity field. Components of this book have existed as rough notes, ideas, informal and formal processes developed and adopted by the authors as they led and executed red team engagements over many years. The concepts described in this book have been used to successfully plan, deliver, and perform professional red team engagements of all sizes and complexities. Some of these concepts were loosely documented and integrated into red team management processes, and much was kept as tribal knowledge. One of the first formal attempts to capture this information was the SANS SEC564 Red Team Operation and Threat Emulation course. This first effort was an attempt to document these ideas in a format usable by others. The authors have moved beyond SANS training and use this book to detail red team operations in a practical guide. The authors' goal is to provide practical guidance to aid in the management and execution of professional red teams. The term 'Red Team' is often confused in the cybersecurity space. The terms roots are based on military concepts that have slowly made their way into the commercial space. Numerous interpretations directly affect the scope and quality of today's security engagements. This confusion has created unnecessary difficulty as organizations attempt to measure threats from the results of quality security assessments. You quickly understand the complexity of red teaming by performing a quick google search for the definition, or better yet, search through the numerous interpretations and opinions posted by security professionals on Twitter. This book was written to provide a practical solution to address this confusion. The Red Team concept requires a unique approach different from other security tests. It relies heavily on well-defined TTPs critical to the successful simulation of realistic threat and adversary techniques. Proper Red Team results are much more than just a list of flaws identified during other security tests. They provide a deeper understanding of how an organization would perform against an actual threat and determine where a security operation's strengths and weaknesses exist.Whether you support a defensive or offensive role in security, understanding how Red Teams can be used to improve defenses is extremely valuable. Organizations spend a great deal of time and money on the security of their systems. It is critical to have professionals who understand the threat and can effectively and efficiently operate their tools and techniques safely and professionally. This book will provide you with the real-world guidance needed to manage and operate a professional Red Team, conduct quality engagements, understand the role a Red Team plays in security operations. You will explore Red Team concepts in-depth, gain an understanding of the fundamentals of threat emulation, and understand tools needed you reinforce your organization's security posture.

Red Team Development and Operations

Back for the third season, The Hacker Playbook 3 (THP3) takes your offensive game to the pro tier. With a combination of new strategies, attacks, exploits, tips and tricks, you will be able to put yourself in the center of the action toward victory. The main purpose of this book is to answer questions as to why things are still broken. For instance, with all the different security products, secure code reviews, defense in depth, and penetration testing requirements, how are we still seeing

massive security breaches happening to major corporations and governments? The real question we need to ask ourselves is, are all the safeguards we are putting in place working? This is what The Hacker Playbook 3 - Red Team Edition is all about. By now, we are all familiar with penetration testing, but what exactly is a Red Team? Red Teams simulate real-world, advanced attacks to test how well your organization's defensive teams respond if you were breached. They find the answers to questions like: Do your incident response teams have the right tools, skill sets, and people to detect and mitigate these attacks? How long would it take them to perform these tasks and is it adequate? This is where you, as a Red Teamer, come in to accurately test and validate the overall security program. THP3 will take your offensive hacking skills, thought processes, and attack paths to the next level. This book focuses on real-world campaigns and attacks, exposing you to different initial entry points, exploitation, custom malware, persistence, and lateral movement--all without getting caught! This heavily lab-based book will include multiple Virtual Machines, testing environments, and custom THP tools. So grab your helmet and let's go break things! For more information, visit http: //thehackerplaybook.com/about/.

Penetration Testing

The Basics of Hacking and Penetration Testing, Second Edition, serves as an introduction to the steps required to complete a penetration test or perform an ethical hack from beginning to end. The book teaches students how to properly utilize and interpret the results of the modern-day hacking tools required to complete a penetration test. It provides a simple and clean explanation of how to effectively utilize these tools, along with a four-step methodology for conducting a penetration test or hack, thus equipping students with the know-how required to jump start their careers and gain a better understanding of offensive security. Each chapter contains hands-on examples and exercises that are designed to teach learners how to interpret results and utilize those results in later phases. Tool coverage includes: Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender rootkit. This is complemented by PowerPoint slides for use in class. This book is an ideal resource for security consultants, beginning InfoSec professionals, and students. Each chapter contains hands-on examples and exercises that are designed to teach you how to interpret the results and utilize those results in later phases. Written by an author who works in the field as a Penetration Tester and who teaches Offensive Security, Penetration Testing, and Ethical Hacking, and Exploitation classes at Dakota State University. Utilizes the Kali Linux distribution and focuses on the seminal tools required to complete a penetration test.

Hacking Wireless Networks

Just as a professional athlete doesn't show up without a solid game plan, ethical hackers, IT professionals, and security researchers should not be unprepared, either. The Hacker Playbook provides them their own game plans. Written by a

longtime security professional and CEO of Secure Planet, LLC, this step-by-step guide to the "game" of penetration hacking features hands-on examples and helpful advice from the top of the field. Through a series of football-style "plays," this straightforward guide gets to the root of many of the roadblocks people may face while penetration testing-including attacking different types of networks, pivoting through security controls, privilege escalation, and evading antivirus software. From "Pregame" research to "The Drive" and "The Lateral Pass," the practical plays listed can be read in order or referenced as needed. Either way, the valuable advice within will put you in the mindset of a penetration tester of a Fortune 500 company, regardless of your career or level of experience. This second version of The Hacker Playbook takes all the best "plays" from the original book and incorporates the latest attacks, tools, and lessons learned. Double the content compared to its predecessor, this guide further outlines building a lab, walks through test cases for attacks, and provides more customized code. Whether you're downing energy drinks while desperately looking for an exploit, or preparing for an exciting new job in IT security, this guide is an essential part of any ethical hacker's library-so there's no reason not to get in the game.

The Hacker Playbook 2

Create succinct and expressive implementations with functional programming in Python Key Features Learn how to choose between imperative and functional approaches based on expressiveness, clarity, and performance Get familiar with complex concepts such as monads, concurrency, and immutability Apply functional Python to common Exploratory Data Analysis (EDA) programming problems Book Description If you're a Python developer who wants to discover how to take the power of functional programming (FP) and bring it into your own programs, then this book is essential for you, even if you know next to nothing about the paradigm. Starting with a general overview of functional concepts, you'll explore common functional features such as first-class and higher-order functions, pure functions, and more. You'll see how these are accomplished in Python 3.6 to give you the core foundations you'll build upon. After that, you'll discover common functional optimizations for Python to help your apps reach even higher speeds. You'll learn FP concepts such as lazy evaluation using Python's generator functions and expressions. Moving forward, you'll learn to design and implement decorators to create composite functions. You'll also explore data preparation techniques and data exploration in depth, and see how the Python standard library fits the functional programming model. Finally, to top off your journey into the world of functional Python, you'll at look at the PyMonad project and some larger examples to put everything into perspective. What you will learn Use Python's generator functions and generator expressions to work with collections in a non-strict (or lazy) manner Utilize Python library modules including itertools, functools, multiprocessing, and concurrent features to ensure efficient functional programs Use Python strings with object-oriented suffix notation and prefix notation Avoid stateful classes with families of tuples Design and implement decorators to create composite functions Use functions such as max(), min(), map(), filter(), and sorted() Write higher-order functions Who this book is for This book is for Python developers who would like to perform

Functional programming with Python. Python Programming knowledge is assumed.

Practical Web Penetration Testing

"Web Security, Privacy & Commerce" cuts through the hype and the front page stories. It tells readers what the real risks are and explains how to minimize them. Whether a casual (but concerned) Web surfer or a system administrator responsible for the security of a critical Web server, this book will tells users what they need to know.

Hacking

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-andthen 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.

The Hacker Playbook 3

The authors show how public solutions to current issues differ from political practices

Hacking with Kali Linux

Learn how to execute web application penetration testing end-to-end Key Features Build an end-to-end threat model landscape for web application security Learn both web application vulnerabilities and web intrusion testing Associate

network vulnerabilities with a web application infrastructure Book Description Companies all over the world want to hire professionals dedicated to application security. Practical Web Penetration Testing focuses on this very trend, teaching you how to conduct application security testing using real-life scenarios. To start with, you'll set up an environment to perform web application penetration testing. You will then explore different penetration testing concepts such as threat modeling, intrusion test, infrastructure security threat, and more, in combination with advanced concepts such as Python scripting for automation. Once you are done learning the basics, you will discover end-to-end implementation of tools such as Metasploit, Burp Suite, and Kali Linux. Many companies deliver projects into production by using either Agile or Waterfall methodology. This book shows you how to assist any company with their SDLC approach and helps you on your journey to becoming an application security specialist. By the end of this book, you will have hands-on knowledge of using different tools for penetration testing. What you will learn Learn how to use Burp Suite effectively Use Nmap, Metasploit, and more tools for network infrastructure tests Practice using all web application hacking tools for intrusion tests using Kali Linux Learn how to analyze a web application using application threat modeling Know how to conduct web intrusion tests Understand how to execute network infrastructure tests Master automation of penetration testing functions for maximum efficiency using Python Who this book is for Practical Web Penetration Testing is for you if you are a security professional, penetration tester, or stakeholder who wants to execute penetration testing using the latest and most popular tools. Basic knowledge of ethical hacking would be an added advantage.

Practical Guide for Clinical Neurophysiologic Testing: EEG

Practical Lock Picking, 2nd Edition is presented with rich, detailed full-color diagrams and includes easy-to-follow lessons that allow even beginners to acquire the knowledge they need quickly. Everything from straightforward lock picking to quick-entry techniques like shimming, bumping, and bypassing are explained and illustrated. Whether you're being hired to penetrate security or simply trying to harden your own defenses, this book is essential. This edition has been updated to reflect the changing landscape of tools and tactics which have emerged in recent years Detailed full-color photos make learning as easy as picking a lock Companion website is filled with indispensible lock picking videos Extensive appendix details tools and toolkits currently available for all your lock picking needs

Cybersecurity Blue Team Toolkit

Are you tired of buying security books and at the end discover that they contain only theory and no practical examples at all? Do you want to setup your own hacking lab and learn through practice? If yes, then this is the book for you! Hacking Wireless Networks - The ultimate hands-on guide, is a book written for people who seek to practice the techniques of assessing the security of wireless infrastructures.Through 30 real life scenarios and more than 300 figures the book

examines in details the following areas: - Discovery and Profiling of wireless networks - Denial of Service attacks - Attacks against WEP secured wireless networks - Attacks against WPA/WPA2 secured wireless networks - Bypass techniques for popular Authentication mechanisms - Encryption keys cracking using special techniques - Attacks against the Access Point's management interface - Attacks against special security features like WPS - Stealthy techniques to avoid getting caught by wireless IDS Now that the world agrees that wireless security is central to computer security, it is time to put theory into practice.

Practical Lock Picking

THIS BOOK INCLUDES 6 MANUSCRIPTSBOOK 1 - Hacking with Kali Linux: Penetration Testing Hacking BibleBOOK 2 - Social Engineering Attacks, Techniques & PreventionBOOK 3 - Hacking Firewalls & Bypassing HoneypotsBOOK 4 - Denial of Service AttacksBOOK 5 - How to Hack Web AppsBOOK 6 - Rooting & JailbreakingIn order to understand hackers and protect the network infrastructure you must think like a hacker in today's expansive and eclectic internet and you must understand that nothing is fully secured.This book will focus on some of the most dangerous hacker tools that are favourite of both, White Hat and Black Hat hackers.If you attempt to use any of the tools discussed in this book on a network without being authorized and you disturb or damage any systems, that would be considered illegal black hat hacking. So, I would like to encourage all readers to deploy any tool described in this book for WHITE HAT USE ONLY.The focus of this book will be to introduce some of the best well known software that you can use for free of charge, furthermore where to find them, how to access them, and finally in every chapter you will find demonstrated examples step-by-step.There are many step by step deployment guides on how to plan a successful penetration test and examples on how to manipulate or misdirect trusted employees using social engineering.BUY THIS BOOK NOW AND GET STARTED TODAY!IN THIS BOOK YOU WILL LEARN: -How to Install Kali Linux & TOR-How to use BurpSuite for various attacks-SSL & CMS Scanning Techniques-Port Scanning & Network Sniffing-How to Configure SPAN-How to implement SYN Scan Attack-How to Brute Force with Hydra-How to use Low Orbit ion Cannon-How to use Netcat, Meterpreter, Armitage, SET-How to deploy Spear Phishing & PowerShell Attack-How to deploy various Wireless Hacking_Attacks-How to use Deep Magic, Recon-ng, HTTrack, Weevely, H-ping_3, EtterCAP, Xplico, Scapy, Parasite6, The Metasploit Framework, Credential Harvester and MANY MORE KALI LINUX HACKING TOOLS-Phishing, Vishing, Smishing, Spear Phishing and Whaling-The history of social engineering-Psychological manipulation-Human Weaknesses-Social Engineering Categories-Cold Call Virus Scams-Authority & Fear Establishment-Executing the Social Engineering Attack-Signifying Legitimacy by Providing Value-Open-Source Intelligence-Organizational Reconnaissance-Identifying Targets Within an Organization-In-person social engineering techniques-Dumpster Diving & Data Breaches-Phishing Page Types-Filter Evasion Techniques-How to use PhishTank and Phish5-Identity Theft and Impersonation-Social Engineering Countermeasures-Paper & Digital Record Destruction-Physical Security Measures-Principle of Least Privilege-2FA & Side Channel ID Verification-Logging & Monitoring-How to respond to an Attack-Tips to Avoid Being a Victim-

What is The OSI Model-What are Zone Based Firewalls-Firewall Behavior and TCP State Table-Network Address Translation-Port Address Translation-Demilitarized Zone-TCP & UDP Traffic on Firewalls-Client Connection Process-System Intrusion Indicators-Indicators of Network Intrusion-Anomalous Behaviour-Firewall Implementations & Architectures-Packet Filtering Firewalls-Circuit-level Gateway-Application Firewalls-Stateful Firewalls-Next-Gen Firewalls-Detecting Firewalls-IP address spoofing-Source Routing-Tiny fragment attack-Tunneling-Evasion Tools-Intrusion Detection Systems-Signature-based IDS-Statistical Anomaly-based IDS-Network-Based IDS-Host Intrusion Detection System-Evasion by Confusion-Fragmentation attack-Overlapping Fragments Attack-Time-to-Live attack-DoS Attack & Flooding Attack-IDS weakness Detection-Honeypot Types & Honeypot Detection and much moreBUY THIS BOOK NOW AND GET STARTED TODAY!

Becoming the Hacker

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

Web Security, Privacy & Commerce

The world's most infamous hacker offers an insider's view of the low-tech threats to high-tech security Kevin Mitnick's exploits as a cyber-desperado and fugitive form one of the most exhaustive FBI manhunts in history and have spawned dozens of articles, books, films, and documentaries. Since his release from federal prison, in 1998, Mitnick has turned his life around and established himself as one of the most sought-after computer security experts worldwide. Now, in The Art of Deception, the world's most notorious hacker gives new meaning to the old adage, "It takes a thief to catch a thief." Focusing on the human factors involved with information security, Mitnick explains why all the firewalls and encryption protocols in the world will never be enough to stop a savvy grifter intent on rifling a corporate database or an irate

employee determined to crash a system. With the help of many fascinating true stories of successful attacks on business and government, he illustrates just how susceptible even the most locked-down information systems are to a slick con artist impersonating an IRS agent. Narrating from the points of view of both the attacker and the victims, he explains why each attack was so successful and how it could have been prevented in an engaging and highly readable style reminiscent of a true-crime novel. And, perhaps most importantly, Mitnick offers advice for preventing these types of social engineering hacks through security protocols, training programs, and manuals that address the human element of security.

Functional Python Programming

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

The IoT Hacker's Handbook

Take a practioner's approach in analyzing the Internet of Things (IoT) devices and the security issues facing an IoT architecture. You'll review the architecture's central components, from hardware communication interfaces, such as UARTand SPI, to radio protocols, such as BLE or ZigBee. You'll also learn to assess a device physically by opening it, looking at the PCB, and identifying the chipsets and interfaces. You'll then use that information to gain entry to the device or to perform other actions, such as dumping encryption keys and firmware. As the IoT rises to one of the most popular tech trends, manufactures need to take necessary steps to secure devices and protect them from attackers. The IoT Hacker's Handbook breaks down the Internet of Things, exploits it, and reveals how these devices can be built securely. What You'll Learn Perform a threat model of a real-world IoT device and locate all possible attacker entry points Use reverse

engineering of firmware binaries to identify security issues Analyze,assess, and identify security issues in exploited ARM and MIPS based binaries Sniff, capture, and exploit radio communication protocols, such as Bluetooth Low Energy (BLE), and ZigBee Who This Book is For Those interested in learning about IoT security, such as pentesters working in different domains, embedded device developers, or IT people wanting to move to an Internet of Things security role.

Mastering Modern Web Penetration Testing

In Black Hat Python, the latest from Justin Seitz (author of the best-selling Gray Hat Python), you'll explore the darker side of Python's capabilities—writing network sniffers, manipulating packets, infecting virtual machines, creating stealthy trojans, and more. You'll learn how to: Create a trojan command-and-control using GitHubDetect sandboxing and automate common malware tasks, like keylogging and screenshottingEscalate Windows privileges with creative process controlUse offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machineExtend the popular Burp Suite web-hacking toolAbuse Windows COM automation to perform a man-in-the-browser attackExfiltrate data from a network most sneakily Insider techniques and creative challenges throughout show you how to extend the hacks and how to write your own exploits. When it comes to offensive security, your ability to create powerful tools on the fly is indispensable. Learn how in Black Hat Python.

CUCKOO'S EGG

Covers All Site Activities after Design Above Ground Storage Tanks: Practical Guide to Construction, Inspection, and Testing is an ideal guide for engineers involved in the mechanical construction of above ground storage tanks. This text details the construction of storage tanks in accordance with the American Petroleum Institute requirements for API 650, and is the first book to cover every stage subsequent to the design of storage tanks. The author focuses on the mechanical construction, inspection, and testing of storage tanks and all aspects on-site after design, and explains the relevance of code requirements. In addition, he incorporates real-world applications based on his own experience, and provides a host of practical tips, useful in avoiding repair and reworks during construction of storage tanks. Presents material compiled according to the requirements of API 650 for the construction of storage tanks Includes coverage of the practical aspects of tank farm layout, design, foundation, erection, welding, inspection and testing Explains the details of construction /welding sequences and NDT with simple sketches and tables Spells out applicable codes and specifications, and provides logical explanations of various code requirements A reference for beginners and practitioners in the construction industry, Above Ground Storage Tanks: Practical Guide to Construction, Inspection, and Testing contains valuable information on API 650 code requirements and specifications, and the construction of above ground storage tanks.

The Social Engineer's Playbook

Before the Internet became widely known as a global tool for terrorists, one perceptive U.S. citizen recognized its ominous potential. Armed with clear evidence of computer espionage, he began a highly personal quest to expose a hidden network of spies that threatened national security. But would the authorities back him up? Cliff Stoll's dramatic firsthand account is "a computer-age detective story, instantly fascinating [and] astonishingly gripping" (Smithsonian). Cliff Stoll was an astronomer turned systems manager at Lawrence Berkeley Lab when a 75-cent accounting error alerted him to the presence of an unauthorized user on his system. The hacker's code name was "Hunter"—a mysterious invader who managed to break into U.S. computer systems and steal sensitive military and security information. Stoll began a one-man hunt of his own: spying on the spy. It was a dangerous game of deception, broken codes, satellites, and missile bases—a one-man sting operation that finally gained the attention of the CIA . . . and ultimately trapped an international spy ring fueled by cash, cocaine, and the KGB.

Black Hat Python

"The Metasploit Framework makes discovering, exploiting, and sharing vulnerabilities quick and relatively painless. But while Metasploit is used by security professionals everywhere, documentation is lacking and the tool can be hard to grasp for first-time users. Metasploit: A Penetration Tester's Guide fills this gap by teaching you how to harness the Framework, use its many features, and interact with the vibrant community of Metasploit contributors. The authors begin by building a foundation for penetration testing and establishing a fundamental methodology. From there, they explain the Framework's conventions, interfaces, and module system, as they show you how to assess networks with Metasploit by launching simulated attacks. Having mastered the essentials, you'll move on to advanced penetration testing techniques, including network reconnaissance and enumeration, client-side attacks, devastating wireless attacks, and targeted social engineering attacks. Metasploit: A Penetration Tester's Guide willteach you how to: Find and exploit unmaintained, misconfigured, and unpatched systems Perform reconnaissance and find valuable information about your target Bypass anti-virus technologies and circumvent security controls Integrate Nmap, NeXpose, and Nessus with Metasploit to automate discovery Use the Meterpreter shell to launch further attacks from inside the network Harness standalone Metasploit utilities, third-party tools, and plug-ins Learn how to write your own Meterpreter post exploitation modules and scripts You'll even touch on exploit discovery for zero-day research, write a fuzzer, port existing exploits into the Framework, and learn how to cover your tracks. Whether your goal is to make your own networks more secure or to put someone else's to the test, Metasploit: A Penetration Tester's Guide will take you there and beyond"--

Blue Team Field Manual

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

Python for Offensive PenTest

Blue Team Field Manual (BTFM) is a Cyber Security Incident Response Guide that aligns with the NIST Cybersecurity Framework consisting of the five core functions of Identify, Protect, Detect, Respond, and Recover by providing the tactical steps to follow and commands to use when preparing for, working through and recovering from a Cyber Security Incident.

Getting Started Becoming a Master Hacker

A practical handbook to cybersecurity for both tech and non-tech professionals As reports of major data breaches fill the headlines, it has become impossible for any business, large or small, to ignore the importance of cybersecurity. Most books on the subject, however, are either too specialized for the non-technical professional or too general for positions in the IT trenches. Thanks to author Nadean Tanner's wide array of experience from teaching at a University to working for the Department of Defense, the Cybersecurity Blue Team Toolkit strikes the perfect balance of substantive and accessible, making it equally useful to those in IT or management positions across a variety of industries. This handy guide takes a simple and strategic look at best practices and tools available to both cybersecurity management and hands-on professionals, whether they be new to the field or looking to expand their expertise. Tanner gives comprehensive coverage to such crucial topics as security assessment and configuration, strategies for protection and defense, offensive measures,

and remediation while aligning the concept with the right tool using the CIS Controls version 7 as a guide. Readers will learn why and how to use fundamental open source and free tools such as ping, tracert, PuTTY, pathping, sysinternals, NMAP, OpenVAS, Nexpose Community, OSSEC, Hamachi, InSSIDer, Nexpose Community, Wireshark, Solarwinds Kiwi Syslog Server, Metasploit, Burp, Clonezilla and many more. Up-to-date and practical cybersecurity instruction, applicable to both management and technical positions • Straightforward explanations of the theory behind cybersecurity best practices • Designed to be an easily navigated tool for daily use • Includes training appendix on Linux, how to build a virtual lab and glossary of key terms The Cybersecurity Blue Team Toolkit is an excellent resource for anyone working in digital policy as well as IT security professionals, technical analysts, program managers, and Chief Information and Technology Officers. This is one handbook that won't gather dust on the shelf, but remain a valuable reference at any career level, from student to executive.

Red Team

Harden the human firewall against the most current threats Social Engineering: The Science of Human Hacking reveals the craftier side of the hacker's repertoire—why hack into something when you could just ask for access? Undetectable by firewalls and antivirus software, social engineering relies on human fault to gain access to sensitive spaces; in this book, renowned expert Christopher Hadnagy explains the most commonly-used techniques that fool even the most robust security personnel, and shows you how these techniques have been used in the past. The way that we make decisions as humans affects everything from our emotions to our security. Hackers, since the beginning of time, have figured out ways to exploit that decision making process and get you to take an action not in your best interest. This new Second Edition has been updated with the most current methods used by sharing stories, examples, and scientific study behind how those decisions are exploited. Networks and systems can be hacked, but they can also be protected; when the "system" in question is a human being, there is no software to fall back on, no hardware upgrade, no code that can lock information down indefinitely. Human nature and emotion is the secret weapon of the malicious social engineering, and this book shows you how to recognize, predict, and prevent this type of manipulation by taking you inside the social engineer's bag of tricks. Examine the most common social engineering tricks used to gain access Discover which popular techniques generally don't work in the real world Examine how our understanding of the science behind emotions and decisions can be used by social engineers Learn how social engineering factors into some of the biggest recent headlines Learn how to use these skills as a professional social engineer and secure your company Adopt effective counter-measures to keep hackers at bay By working from the social engineer's playbook, you gain the advantage of foresight that can help you protect yourself and others from even their best efforts. Social Engineering gives you the inside information you need to mount an unshakeable defense.

Rtfm

With Acceptance Test-Driven Development (ATDD), business customers, testers, and developers can collaborate to produce testable requirements that help them build higher quality software more rapidly. However, ATDD is still widely misunderstood by many practitioners. ATDD by Example is the first practical, entry-level, hands-on guide to implementing and successfully applying it. ATDD pioneer Markus Gärtner walks readers step by step through deriving the right systems from business users, and then implementing fully automated, functional tests that accurately reflect business requirements, are intelligible to stakeholders, and promote more effective development. Through two end-to-end case studies, Gärtner demonstrates how ATDD can be applied using diverse frameworks and languages. Each case study is accompanied by an extensive set of artifacts, including test automation classes, step definitions, and full sample implementations. These realistic examples illuminate ATDD's fundamental principles, show how ATDD fits into the broader development process, highlight tips from Gärtner's extensive experience, and identify crucial pitfalls to avoid. Readers will learn to Master the thought processes associated with successful ATDD implementation Use ATDD with Cucumber to describe software in ways businesspeople can understand Test web pages using ATDD tools Bring ATDD to Java with the FitNesse wiki-based acceptance test framework Use examples more effectively in Behavior-Driven Development (BDD) Specify software collaboratively through innovative workshops Implement more user-friendly and collaborative test automation Test more cleanly, listen to test results, and refactor tests for greater value If you're a tester, analyst, developer, or project manager, this book offers a concrete foundation for achieving real benefits with ATDD now–and it will help you reap even more value as you gain experience.

Hacking- The art Of Exploitation

Ideal for technologists, neurology residents, and clinical neurophysiology fellows, Practical Guide for Clinical Neurophysiologic Testing: EEG, 2nd Edition, provides comprehensive, up-to-date guidance on electroencephalography technology and interpretation. From key foundational knowledge such as basic electronics and recording techniques, to new videos and new ACNS guidelines, this reference is a highly regarded go-to guide for using this essential neurodiagnostic tool to its fullest potential.

The Car Hacker's Handbook

Web penetration testing by becoming an ethical hacker. Protect the web by learning the tools, and the tricks of the web application attacker. Key Features Builds on books and courses on penetration testing for beginners Covers both attack and defense perspectives Examines which tool to deploy to suit different applications and situations Book Description Becoming the Hacker will teach you how to approach web penetration testing with an attacker's mindset. While testing web applications for performance is common, the ever-changing threat landscape makes security testing much more difficult for

the defender. There are many web application tools that claim to provide a complete survey and defense against potential threats, but they must be analyzed in line with the security needs of each web application or service. We must understand how an attacker approaches a web application and the implications of breaching its defenses. Through the first part of the book, Adrian Pruteanu walks you through commonly encountered vulnerabilities and how to take advantage of them to achieve your goal. The latter part of the book shifts gears and puts the newly learned techniques into practice, going over scenarios where the target may be a popular content management system or a containerized application and its network. Becoming the Hacker is a clear guide to web application security from an attacker's point of view, from which both sides can benefit. What you will learn Study the mindset of an attacker Adopt defensive strategies Classify and plan for standard web application security threats Prepare to combat standard system security problems Defend WordPress and mobile applications Use security tools and plan for defense against remote execution Who this book is for The reader should have basic security experience, for example, through running a network or encountering security issues during application development. Formal education in security is useful, but not required. This title is suitable for people with at least two years of experience in development, network management, or DevOps, or with an established interest in security.

Social Engineering

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

Advanced Penetration Testing goes beyond Kali linux and Metasploit and to provide you advanced pen testing for high security networks.

The Second American Revolution

Master the art of conducting modern pen testing attacks and techniques on your web application before the hacker does! About This Book This book covers the latest technologies such as Advance XSS, XSRF, SQL Injection, Web API testing, XML attack vectors, OAuth 2.0 Security, and more involved in today's web applications Penetrate and secure your web application using various techniques Get this comprehensive reference guide that provides advanced tricks and tools of the trade for seasoned penetration testers Who This Book Is For This book is for security professionals and penetration testers who want to speed up their modern web application penetrating testing. It will also benefit those at an intermediate level and web developers who need to be aware of the latest application hacking techniques. What You Will Learn Get to know the new and less-publicized techniques such PHP Object Injection and XML-based vectors Work with different security tools to automate most of the redundant tasks See different kinds of newly-designed security headers and how they help to provide security Exploit and detect different kinds of XSS vulnerabilities Protect your web application using filtering mechanisms Understand old school and classic web hacking in depth using SQL Injection, XSS, and CSRF Grasp XML-related vulnerabilities and attack vectors such as XXE and DoS techniques Get to know how to test REST APIs to discover security issues in them In Detail Web penetration testing is a growing, fast-moving, and absolutely critical field in information security. This book executes modern web application attacks and utilises cutting-edge hacking techniques with an enhanced knowledge of web application security. We will cover web hacking techniques so you can explore the attack vectors during penetration tests. The book encompasses the latest technologies such as OAuth 2.0, Web API testing methodologies and XML vectors used by hackers. Some lesser discussed attack vectors such as RPO (relative path overwrite), DOM clobbering, PHP Object Injection and etc. has been covered in this book. We'll explain various old school techniques in depth such as XSS, CSRF, SQL Injection through the ever-dependable SQLMap and reconnaissance. Websites nowadays provide APIs to allow integration with third party applications, thereby exposing a lot of attack surface, we cover testing of these APIs using real-life examples. This pragmatic guide will be a great benefit and will help you prepare fully secure applications. Style and approach This master-level guide covers various techniques serially. It is power-packed with real-world examples that focus more on the practical aspects of implementing the techniques rather going into detailed theory.

Advanced Penetration Testing

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.

Linux Basics for Hackers

With more than 600 security tools in its arsenal, the Kali Linux distribution can be overwhelming. Experienced and aspiring security professionals alike may find it challenging to select the most appropriate tool for conducting a given test. This practical book covers Kali's expansive security capabilities and helps you identify the tools you need to conduct a wide range of security tests and penetration tests. You'll also explore the vulnerabilities that make those tests necessary. Author Ric Messier takes you through the foundations of Kali Linux and explains methods for conducting tests on networks, web applications, wireless security, password vulnerability, and more. You'll discover different techniques for extending Kali tools and creating your own toolset. Learn tools for stress testing network stacks and applications Perform network reconnaissance to determine what's available to attackers Execute penetration tests using automated exploit tools such as Metasploit Use cracking tools to see if passwords meet complexity requirements Test wireless capabilities by injecting frames and cracking passwords Assess web application vulnerabilities with automated or proxy-based tools Create advanced attack techniques by extending Kali tools or developing your own Use Kali Linux to generate reports once testing is complete

The Art of Deception

Are you interested to learn the art of hacking? If your answer is yes, then look no further. This book will take you down that road. This book explains Hacking using an operating system that is created for this sole purpose. As a hacker one needs to understand basic Linux commands along with bash and python scripting. This book has provided a lot of bash and python examples that will make you start with the hacking scripting. Do you will learn, also, to safeguard your systems, equipment, and network against hacking attacks. Keen readers will, by the end of this book, understand how their systems work, how to scan, and how to gain access to your computer. Find out what are the gems you can find in this book below. - Hacking process along with clear instructions. This is more like a starting tip for the beginner hackers. - Installation of virtual machine VM ware and Installation of kali Linux in detail. - Bash scripting with a lot of examples. We will explain variables, conditionals, and looping in Bash scripting. - Python scripting with a lot of examples. We will explain variables, classes, objects in python scripting. - Network management and a lot of methods to spoof addresses. - Process management, along with examples. We give so many methodologies to kill a process and prioritizing processes. - Description of the Logging system and its uses. - Automating tasks. - About TOR bundle, Vpn and Proxy chains. - Web hacking using the Burp Suite. You will also find out how you can protect your computer from all the hacker's attacks! Even if you've never used Linux, you can learn it quickly.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION