Giac Network Penetration Testing And Ethical Hacking

Security Essentials Toolkit (GSEC)
Cyber Warfare
Kali Linux Network Scanning Cookbook
The Art of Network Penetration Testing
Hands-On Ethical Hacking and Network Defense
GPEN GIAC Certified Penetration Tester All-in-One Exam Guide
Principles of Information Security
Fundamentals of Information Systems Security
The Pentester BluePrint
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How to take over any company in the world
A Cookbook for Hackers, Forensic Analysts, Penetration Testers and Security Engineers
Creating and Learning in a Hacking Lab
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The Extraordinary Story of a Hacker Called "Alien"
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Network Security Bible
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Starting a Career as an Ethical Hacker
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Hands-On Ethical Hacking and Network Defense

SANS GIAC Certification
Hands-On Ethical Hacking and Network Defense
Breaking and Entering
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Security Testing, Penetration Testing, and Ethical Hacking
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Hackers Beware
Professional Penetration Testing
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Hands-On Penetration Testing with Kali NetHunter
Kali Linux Network Scanning Cookbook
Explore the methods and tools of ethical hacking with Kali Linux, 3rd Edition
CISSP Study Guide
Getting an Information Security Job For Dummies

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Security Essentials Toolkit (GSEC) McGraw Hill Professional Incident response is critical for the active defense of any network, and incident responders need up-to-date, immediately applicable techniques with which to engage the adversary. Applied Incident Response details effective ways to respond to advanced attacks against local and remote network resources, providing proven response techniques and a framework through which to apply them. As a starting point for new incident handlers, or as a technical reference for hardened IR veterans, this book details the latest techniques for responding to threats against your network, including: Preparing your environment for effective incident response Leveraging MITRE ATT&CK and threat intelligence for active network defense Local and remote triage of systems using PowerShell, WMIC, and open-source tools Acquiring RAM and disk images locally and remotely Analyzing RAM with Volatility and Rekall Deep-dive forensic analysis of system drives using open-source or commercial tools Leveraging Security Onion and Elastic Stack for network security monitoring Techniques for log analysis and aggregating high-value logs Static and dynamic analysis of malware with YARA rules, FLARE VM, and Cuckoo Sandbox Detecting and responding to lateral movement techniques, including pass-the-hash, pass-the-ticket, Kerberoasting, malicious use of PowerShell, and many more Effective threat hunting techniques Adversary emulation with

Atomic Red Team Improving preventive and detective controls
Cyber Warfare Simon and Schuster
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Kali Linux Network Scanning Cookbook McGraw Hill Professional
Over 100 practical recipes that leverage custom scripts and integrated tools in Kali Linux to help you effectively master network scanning About This Book Learn the fundamentals behind commonly used scanning techniques Deploy powerful scanning tools that are integrated into the Kali Linux testing platform The practical recipes will help you automate menial tasks and build your own script library Who This Book Is For This book is for information security professionals and casual security enthusiasts alike. It provides foundational principles if you're a novice, but will also introduce scripting techniques and in-depth analysis if you're more advanced. Whether you are brand new to Kali Linux or a seasoned veteran, this book will help you both understand and ultimately master many of the most powerful and useful scanning techniques in the industry. It is assumed that you have some basic security testing experience. What You Will Learn Develop a network-testing environment to test scanning tools and techniques Understand the principles of network-scanning tools by building scripts and tools Identify distinct vulnerabilities in web apps and remote services and learn how they are exploited Perform comprehensive scans to identify listening on TCP and UDP sockets Get started with different Kali desktop environments--KDE, MATE, LXDE, and Xfce Use Sparta for information gathering, port scanning, fingerprinting, vulnerability scanning, and more Evaluate DoS threats and learn how common DoS attacks are performed Learn how to use Burp Suite to evaluate web applications In Detail With the ever-increasing amount of data flowing in today's world, information security has become vital to any application. This is where Kali Linux comes in. Kali Linux focuses mainly on security auditing and penetration testing. This step-by-step cookbook on network scanning trains you in important scanning concepts based on version 2016.2. It will enable you to conquer any network environment through a range of network scanning techniques and will also equip you to script your very own tools. Starting with the fundamentals of installing and managing Kali Linux, this book will help you map your target with a wide range of network scanning tasks, including discovery, port scanning, fingerprinting, and more. You will learn how to utilize the arsenal of tools available in Kali Linux to conquer any network environment. The book offers expanded coverage of the popular Burp Suite and has new and updated scripts for automating scanning and target exploitation. You will also be shown how to identify remote services, how to assess security risks, and how various attacks are performed. You will cover the latest features of Kali Linux 2016.2, which includes the enhanced Sparta tool and many other exciting updates. This immersive guide will also encourage the creation of personally scripted tools and the skills required to create them. Style and approach This step-by-step guide is full of recipes that will help you use integrated scanning tools in Kali Linux and develop custom scripts to make new and unique tools of your own.
The Art of Network Penetration Testing Cengage Learning
This comprehensive exam guide offers 100% coverage of every topic on the CompTIA PenTest+ exam Get complete coverage of

all the objectives included on the CompTIA PenTest+ certification exam PT0-001 from this comprehensive resource. Written by an expert penetration tester, the book provides learning objectives at the beginning of each chapter, hands-on exercises, exam tips, and practice questions with in-depth answer explanations. Designed to help you pass the exam with ease, this definitive volume also serves as an essential on-the-job reference. Covers all exam topics, including: •Pre-engagement activities •Getting to know your targets •Network scanning and enumeration •Vulnerability scanning and analysis •Mobile device and application testing •Social engineering •Network-based attacks •Wireless and RF attacks •Web and database attacks •Attacking local operating systems •Physical penetration testing •Writing the pen test report •And more Online content includes: •Interactive performance-based questions •Test engine that provides full-length practice exams or customized quizzes by chapter or by exam domain

Hands-On Ethical Hacking and Network Defense Pearson Education

Explains how and why hackers break into computers, steal information, and deny services to machines' legitimate users, and discusses strategies and tools used by hackers and how to defend against them.

GPEN GIAC Certified Penetration Tester All-in-One Exam Guide John Wiley & Sons

Cyber Warfare, Second Edition, takes a comprehensive look at how and why digital warfare is waged. The book explores the participants, battlefields, and the tools and techniques used in today's digital conflicts. The concepts discussed gives students of information security a better idea of how cyber conflicts are carried out now, how they will change in the future, and how to detect and defend against espionage, hacktivism, insider threats and non-state actors such as organized criminals and terrorists. This book provides concrete examples and real-world guidance on how to identify and defend a network against malicious attacks. It probes relevant technical and factual information from an insider's point of view, as well as the ethics, laws and consequences of cyber war and how computer criminal law may change as a result. Logical, physical, and psychological weapons used in cyber warfare are discussed. This text will appeal to information security practitioners, network security administrators, computer system administrators, and security analysts. Provides concrete examples and real-world guidance on how to identify and defend your network against malicious attacks Dives deeply into relevant technical and factual information from an insider's point of view Details the ethics, laws and consequences of cyber war and how computer criminal law may change as a result

Principles of Information Security John Wiley & Sons

Build your defense against web attacks with Kali Linux, including command injection flaws, crypto implementation layers, and web application security holes Key Features Know how to set up your lab with Kali Linux Discover the core concepts of web penetration testing Get the tools and techniques you need with Kali Linux Book Description Web Penetration Testing with Kali Linux - Third Edition shows you how to set up a lab, helps you understand the nature and mechanics of attacking websites, and explains classical attacks in great depth. This edition is heavily updated

for the latest Kali Linux changes and the most recent attacks. Kali Linux shines when it comes to client-side attacks and fuzzing in particular. From the start of the book, you'll be given a thorough grounding in the concepts of hacking and penetration testing, and you'll see the tools used in Kali Linux that relate to web application hacking. You'll gain a deep understanding of classicalSQL, command-injection flaws, and the many ways to exploit these flaws. Web penetration testing also needs a general overview of client-side attacks, which is rounded out by a long discussion of scripting and input validation flaws. There is also an important chapter on cryptographic implementation flaws, where we discuss the most recent problems with cryptographic layers in the networking stack. The importance of these attacks cannot be overstated, and defending against them is relevant to most internet users and, of course, penetration testers. At the end of the book, you'll use an automated technique called fuzzing to identify flaws in a web application. Finally, you'll gain an understanding of web application vulnerabilities and the ways they can be exploited using the tools in Kali Linux. What you will learn Learn how to set up your lab with Kali Linux Understand the core concepts of web penetration testing Get to know the tools and techniques you need to use with Kali Linux Identify the difference between hacking a web application and network hacking Expose vulnerabilities present in web servers and their applications using server-side attacks Understand the different techniques used to identify the flavor of web applications See standard attacks such as exploiting cross-site request forgery and cross-site scripting flaws Get an overview of the art of client-side attacks Explore automated attacks such as fuzzing web applications Who this book is for Since this book sets out to cover a large number of tools and security fields, it can work as an introduction to practical security skills for beginners in security. In addition, web programmers and also system administrators would benefit from this rigorous introduction to web penetration testing. Basic system administration skills are necessary, and the ability to read code is a must.

Fundamentals of Information Systems Security GPEN GIAC Certified Penetration Tester All-in-One Exam Guide

The practical guide to simulating, detecting, and responding to network attacks Create step-by-step testing plans Learn to perform social engineering and host reconnaissance Evaluate session hijacking methods Exploit web server vulnerabilities Detect attempts to breach database security Use password crackers to obtain access information Circumvent Intrusion Prevention Systems (IPS) and firewall protections and disrupt the service of routers and switches Scan and penetrate wireless networks Understand the inner workings of Trojan Horses, viruses, and other backdoor applications Test UNIX, Microsoft, and Novell servers for vulnerabilities Learn the root cause of buffer overflows and how to prevent them Perform and prevent Denial of Service attacks Penetration testing is a growing field but there has yet to be a definitive resource that instructs ethical hackers on how to perform a penetration test with the ethics and responsibilities of testing in mind. Penetration Testing and Network Defense offers detailed steps on how to emulate an outside attacker in order to assess the security of a network. Unlike other books on hacking, this book is specifically geared towards penetration testing. It includes important information

about liability issues and ethics as well as procedures and documentation. Using popular open-source and commercial applications, the book shows you how to perform a penetration test on an organization's network, from creating a test plan to performing social engineering and host reconnaissance to performing simulated attacks on both wired and wireless networks. Penetration Testing and Network Defense also goes a step further than other books on hacking, as it demonstrates how to detect an attack on a live network. By detailing the method of an attack and how to spot an attack on your network, this book better prepares you to guard against hackers. You will learn how to configure, record, and thwart these attacks and how to harden a system to protect it against future internal and external attacks. Full of real-world examples and step-by-step procedures, this book is both an enjoyable read and full of practical advice that will help you assess network security and develop a plan for locking down sensitive data and company resources. "This book goes to great lengths to explain the various testing approaches that are used today and gives excellent insight into how a responsible penetration testing specialist executes his trade." - Bruce Murphy, Vice President, World Wide Security Services, Cisco Systems®

The Pentester BluePrint Pearson It Certification

Professional Penetration Testing walks you through the entire process of setting up and running a pen test lab. Penetration testing—the act of testing a computer network to find security vulnerabilities before they are maliciously exploited—is a crucial component of information security in any organization. With this book, you will find out how to turn hacking skills into a professional career. Chapters cover planning, metrics, and methodologies; the details of running a pen test, including identifying and verifying vulnerabilities; and archiving, reporting and management practices. Author Thomas Wilhelm has delivered penetration testing training to countless security professionals, and now through the pages of this book you can benefit from his years of experience as a professional penetration tester and educator. After reading this book, you will be able to create a personal penetration test lab that can deal with real-world vulnerability scenarios. All disc-based content for this title is now available on the Web. Find out how to turn hacking and pen testing skills into a professional career Understand how to conduct controlled attacks on a network through real-world examples of vulnerable and exploitable servers Master project management skills necessary for running a formal penetration test and setting up a professional ethical hacking business Discover metrics and reporting methodologies that provide experience crucial to a professional penetration tester

The Official CompTIA Security+ Self-Paced Study Guide (Exam SY0-601) Sams Publishing

Over 100 practical recipes that leverage custom scripts and integrated tools in Kali Linux to help you effectively master network scanningAbout This Book* Learn the fundamentals behind commonly used scanning techniques* Deploy powerful scanning tools that are integrated into the Kali Linux testing platform* The practical recipes will help you automate menial tasks and build your own script libraryWho This Book Is ForThis book is for information security professionals and casual security enthusiasts alike. It provides foundational principles if you"re a

novice, but will also introduce scripting techniques and in-depth analysis if you"re more advanced. Whether you are brand new to Kali Linux or a seasoned veteran, this book will help you both understand and ultimately master many of the most powerful and useful scanning techniques in the industry. It is assumed that you have some basic security testing experience.What You Will Learn* Develop a network-testing environment to test scanning tools and techniques* Understand the principles of network-scanning tools by building scripts and tools* Identify distinct vulnerabilities in web apps and remote services and learn how they are exploited* Perform comprehensive scans to identify listening on TCP and UDP sockets* Get started with different Kali desktop environments--KDE, MATE, LXDE, and Xfce* Use Sparta for information gathering, port scanning, fingerprinting, vulnerability scanning, and more* Evaluate DoS threats and learn how common DoS attacks are performed* Learn how to use Burp Suite to evaluate web applicationsIn DetailWith the ever-increasing amount of data flowing in today"s world, information security has become vital to any application. This is where Kali Linux comes in. Kali Linux focuses mainly on security auditing and penetration testing. This step-by-step cookbook on network scanning trains you in important scanning concepts based on version 2016.2. It will enable you to conquer any network environment through a range of network scanning techniques and will also equip you to script your very own tools.Starting with the fundamentals of installing and managing Kali Linux, this book will help you map your target with a wide range of network scanning tasks, including discovery, port scanning, fingerprinting, and more. You will learn how to utilize the arsenal of tools available in Kali Linux to conquer any network environment. The book offers expanded coverage of the popular Burp Suite and has new and updated scripts for automating scanning and target exploitation. You will also be shown how to identify remote services, how to assess security risks, and how various attacks are performed. You will cover the latest features of Kali Linux 2016.2, which includes the enhanced Sparta tool and many other exciting updates.This immersive guide will also encourage the creation of personally scripted tools and the skills required to create them.Style and approachThis step-by-step guide is full of recipes that will help you use integrated scanning tools in Kali Linux and develop custom scripts to make new and unique tools of your own.

How to take over any company in the world Syngress Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 13 new chapters, Gray Hat Hacking, The Ethical Hacker’s Handbook, Fifth Edition explains the enemy’s current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-try testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. And the new topic of exploiting the Internet of things is introduced in this edition. •Build and launch spoofing exploits with Ettercap •Induce error conditions and crash software using fuzzers •Use advanced reverse engineering to

exploit Windows and Linux software •Bypass Windows Access Control and memory protection schemes •Exploit web applications with Padding Oracle Attacks •Learn the use-after-free technique used in recent zero days •Hijack web browsers with advanced XSS attacks •Understand ransomware and how it takes control of your desktop •Dissect Android malware with JEB and DAD decompilers •Find one-day vulnerabilities with binary diffing •Exploit wireless systems with Software Defined Radios (SDR) •Exploit Internet of things devices •Dissect and exploit embedded devices •Understand bug bounty programs •Deploy next-generation honeypots •Dissect ATM malware and analyze common ATM attacks •Learn the business side of ethical hacking

A Cookbook for Hackers, Forensic Analysts, Penetration Testers and Security Engineers Newnes

This taut, true thriller dives into a dark world that touches us all, as seen through the brilliant, breakneck career of an extraordinary hacker--a woman known only as Alien. When she arrived at MIT in the 1990s, Alien was quickly drawn to the school's tradition of high-risk physical trespassing: the original "hacking." Within a year, one of her hallmates was dead and two others were arraigned. Alien's adventures were only just beginning. After a stint at the storied, secretive Los Alamos National Laboratory, Alien was recruited by a top cybersecurity firm where she deployed her cache of virtual weapons--and the trespassing and social engineering talents she had developed while "hacking" at MIT. The company tested its clients' security by every means possible--not just coding, but donning disguises and sneaking past guards and secretaries into the C-suite. Alien now runs a boutique hacking outfit that caters to some of the world's biggest and most vulnerable institutions--banks, retailers, government agencies. Her work combines devilish charm, old-school deception, and next generation spycraft. In Breaking and Entering, cybersecurity finally gets the rich, character-driven, fast-paced treatment it deserves.

Creating and Learning in a Hacking Lab Packt Publishing Ltd

"All-in-One Is All You Need." Get complete coverage of all the objectives on Global Information Assurance Certification's Security Essentials (GSEC) exam inside this comprehensive resource. GSEC GIAC Security Essentials Certification All-in-One Exam Guide provides learning objectives at the beginning of each chapter, exam tips, practice exam questions, and in-depth explanations. Designed to help you pass the exam with ease, this authoritative resource also serves as an essential on-the-job reference. COVERS ALL EXAM TOPICS, INCLUDING: Networking fundamentals Network design Authentication and access control Network security Linux and Windows Encryption Risk management Virtual machines Vulnerability control Malware Physical security Wireless technologies VoIP ELECTRONIC CONTENT FEATURES: TWO PRACTICE EXAMS AUTHOR VIDEOS PDF eBOOK

GCIH GIAC Certified Incident Handler All-in-One Exam Guide Cengage Learning

GPEN GIAC Certified Penetration Tester All-in-One Exam GuideMcGraw Hill Professional

Study Guide Jones & Bartlett Learning

Cyber-terrorism and corporate espionage are increasingly common and devastating threats, making trained network security professionals more important than ever. This timely text

helps you gain the knowledge and skills to protect networks using the tools and techniques of an ethical hacker. The authors begin by exploring the concept of ethical hacking and its practitioners, explaining their importance in protecting corporate and government data from cyber attacks. The text then provides an in-depth guide to performing security testing against computer networks, covering current tools and penetration testing methodologies. Updated for today’s cyber security environment, the Third Edition of this trusted text features new computer security resources, coverage of emerging vulnerabilities and innovative methods to protect networks, a new discussion of mobile security, and information on current federal and state computer crime laws, including penalties for illegal computer hacking. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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

Get prepared for your Information Security job search! Do you want to equip yourself with the knowledge necessary to succeed in the Information Security job market? If so, you've come to the right place. Packed with the latest and most effective strategies for landing a lucrative job in this popular and quickly-growing field, Getting an Information Security Job For Dummies provides no-nonsense guidance on everything you need to get ahead of the competition and launch yourself into your dream job as an Information Security (IS) guru. Inside, you'll discover the fascinating history, projected future, and current applications/issues in the IS field. Next, you'll get up to speed on the general educational concepts you'll be exposed to while earning your analyst certification and the technical requirements for obtaining an IS position. Finally, learn how to set yourself up for job hunting success with trusted and supportive guidance on creating a winning resume, gaining attention with your cover letter, following up after an initial interview, and much more. Covers the certifications needed for various jobs in the Information Security field Offers guidance on writing an attention-getting resume Provides access to helpful videos, along with other online bonus materials Offers advice on branding yourself and securing your future in Information Security If you're a student, recent graduate, or professional looking to break into the field of Information Security, this hands-on, friendly guide has you covered.

Starting a Career as an Ethical Hacker Elsevier

JUMPSTART YOUR NEW AND EXCITING CAREER AS A PENETRATION TESTER The Pentester BluePrint: Your Guide to Being a Pentester offers readers a chance to delve deeply into the world of the ethical, or "white-hat" hacker. Accomplished pentester and author Phillip L. Wylie and cybersecurity researcher Kim Crawley walk you through the basic and advanced topics necessary to understand how to make a career out of finding vulnerabilities in systems, networks, and applications. You'll learn about the role of a penetration tester, what a pentest involves, and the prerequisite knowledge you'll need to start the educational journey of becoming a pentester. Discover how to develop a plan by assessing your current skillset and finding a starting place to begin growing your knowledge and skills. Finally, find out how to become employed as a pentester by

using social media, networking strategies, and community involvement. Perfect for IT workers and entry-level information security professionals, The Pentester BluePrint also belongs on the bookshelves of anyone seeking to transition to the exciting and in-demand field of penetration testing. Written in a highly approachable and accessible style, The Pentester BluePrint avoids unnecessarily technical lingo in favor of concrete advice and practical strategies to help you get your start in pentesting. This book will teach you: The foundations of pentesting, including basic IT skills like operating systems, networking, and security systems The development of hacking skills and a hacker mindset Where to find educational options, including college and university classes, security training providers, volunteer work, and self-study Which certifications and degrees are most useful for gaining employment as a pentester How to get experience in the pentesting field, including labs, CTFs, and bug bounties

Implementing Homeland Security for Enterprise IT Cengage Learning

Hands-On Ethical Hacking and Network Defense, Second Edition provides an in-depth understanding of how to effectively protect computer networks. This book describes the tools and penetration testing methodologies used by ethical hackers and provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber attacks. Readers are provided with updated computer security resources that describe new vulnerabilities and innovative methods to protect networks. Also included is a thorough update of federal and state computer crime laws, as well as changes in penalties for illegal computer hacking. With cyber-terrorism and corporate espionage threatening the fiber of our world, the need for trained network security professionals continues to grow. Hands-On Ethical Hacking and Network Defense, Second Edition provides a structured knowledge base to prepare readers to be security professionals who understand how to protect a network by using the skills and tools of an ethical hacker. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Extraordinary Story of a Hacker Called "Alien" Eamon Dolan Books

This book shows what IT in organizations need to accomplish to implement The National Strategy for the Physical Protection of Critical Infrastructures and Key Assets and The National Strategy to Secure Cyberspace which were developed by the Department of Homeland Security after the terrorist attacks of September 2001. The September 11, 2001, attacks illustrated the immense vulnerability to terrorist threats. Since then there have been considerable efforts to develop plans and methods to protect critical infrastructures and key assets. The government at all levels, private sector organizations, as well as concerned citizens have begun to establish partnerships and to develop action plans. But there are many questions yet to be answered about what organizations should actual do to protect their assets and their people while participating in national efforts to improve security. This book provides practical steps that IT managers in all organizations and sectors can take to move security from the planning process into practice. *A one-minute manager approach to issuesp provides background and explanations in all areas

*Step-by-step instructions on how to accomplish objectives guide readers through processes *Easy to implement advice allows readers to take quick action
Applied Incident Response Newnes

Fundamentals of Information Systems Security, Fourth Edition provides a comprehensive overview of the essential concepts readers must know as they pursue careers in information systems security.

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