Ethical Hacking Lab

Hacking Lab with Kali Jeremy Martin.2018-10-13 Do you want to learn how to conduct vulnerability assessments or penetration tests but don't know where to start? Are you getting into computer forensics and want some more hands on practice with more tools and environments? Well, we have something that might just save you some time and money.Information Warfare Center not only offers ethical hacking, penetration testing, and digital forensics training, we now have a standalone lab environment prebuilt for both training and operational use. This mobile lab has been designed to boot off of a USB drive and works with almost any PC. This e-book walks you though how to build one yourself. It is a step by step guide to building your own Portable, encrypted, Kali based lab.With a number of vulnerable virtual servers and forensic labs already installed, you can sharpen your skills with no Internet or network setup required. That's right, your own testing lab right in the palm of your hand without the cost of expensive hardware or tedious troubleshooting. This custom environment is an optimized and more secure build of the well-known Kali Linux with a few extras. Yes, you will have all the tools of Kali at your fingertips. This has been set up with an encrypted persistent drive to protect all of your sensitive data. The drive also has a second password to destroy the data instantly if ever needed. Focusing on training and testing systems, the vulnerable virtual machines and evidence files are perfect for ethical hacking and computer forensics practice. Many of the exercises have walkthroughs so you can test your skills and learn at the same time.This bootable USB has also been enhanced for a penetration tester or forensic analyst to do their job more effectively and efficiently. When time is money, having the tools you need makes a world of difference.

So, don't waste your time reinventing the wheel. Build your own lab today!Message from the author: At this point, you now have a fully portable, scalable lab to practice your tradecraft. Whether it be cyber warfare operations, ethical hacking, penetration testing, reverse engineering, or incident response, you can train in the safety of your standalone cyber live range. Thank you for your support. Stay safe and have a blast!

Hacking for Kids Bryson Payne.2020-02-11 A hands-on introduction to ethical hacking for a younger audience. The purpose of ethical hacking is to evaluate the security of computer systems, networks, or system infrastructure and to determine whether unauthorized access or other malicious activities are possible. Hacking for Kids is for the beginner who wants to start exploring ethical hacking in this virtual hacking laboratory. Ethical hacking is the art of evaluating the security of computer systems, networks, or system infrastructure to find holes or vulnerabilities and to determine whether unauthorized access or other malicious activities are possible. The book begins with an introduction to ethical hacking concepts and then demonstrates hands-on the steps necessary to execute specific attacks. Early attacks covered in the book are simple and engaging; designed to give readers the skills necessary to tackle more advanced exploits. The book's emphasis on ethical or white hat hacking demonstrates the importance of balancing security against convenience; in other words, sometimes it can be hard to stay safe on a computer. Readers learn how to avoid phishing, viruses, and ransomware as well as how attackers steal passwords on saved websites or gain access to a computer and its files without a username or password.

The Complete Ethical Hacking Course Rob Percival.2019 Protect yourself from hackers and cyber attacks. Master penetration testing + build security and coding tools with Python. About This Video Kali Linux tools Basic Linux commands Fundamental ethical hacking attacks and protection methods Learn Metasploit

and Python In Detail This course is highly practical and is divided into several sections, each of which aims to achieve a specific goal; the goal is usually to hack into a specific system so that you can practice all the skills and techniques you learn in real-time. You'll start by setting up an ethical hacking lab on your computer. Here you can put the theory you learn to the test and have a safe space to practice using hacking tools and attacks. We'll experience real-time hacking examples and learn how to protect ourselves against these attacks at the same time! In this course, you'll learn: How hackers launch attacks on different systems, computers, users, websites, and wireless networks What tools hackers use, why, and how they work How to protect yourself (or your clients!) against these attacks How to build your security and hacking tools with Python-from scratch and with no programming experience necessary! How to create your own ethical hacking tool portfolio. In the relevant sections, you'll learn about subjects such as Kali Linux, Wireshark, Maltego, net discover, MSFC, Trojan, Backdoor, Veil, Metasploitable, SQLi, MITMf, Crunch, Meterpreter, Beef, Apache, Nmap, SQLMap, Python, Socket, Scapy, Pynput, Keylogger, and more. We start with practical information without excessive detail and progress accordingly without neglecting the theory at the end.

CEH Certified Ethical Hacker All-in-One Exam Guide Matt Walker,Angela Walker.2011-10-01 Get complete coverage of all the objectives included on the EC-Council's Certified Ethical Hacker exam inside this comprehensive resource. Written by an IT security expert, this authoritative guide covers the vendor-neutral CEH exam in full detail. You'll find 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 definitive volume also serves as an essential on-the-job reference. COVERS ALL EXAM TOPICS, INCLUDING: Introduction to ethical hacking Cryptography Reconnaissance and footprinting Network scanning Enumeration

System hacking Evasion techniques Social engineering and physical security Hacking web servers and applications SQL injection Viruses, trojans, and other attacks Wireless hacking Penetration testing Electronic content includes: Two practice exams Bonus appendix with author's recommended tools, sites, and references

The Pentester BluePrint Phillip L. Wylie,Kim Crawley.2020-11-24 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

Certified Ethical Hacker V11 I. P. Specialist.2021-05-10 About the Author: Nouman Ahmed Khan AWS/Azure/GCP-Architect, CCDE, CCIEx5 (R&S, SP, Security, DC, Wireless), CISSP, CISA, CISM, CRISC, ISO27K-LA is a Solution Architect working with a global telecommunication provider. He works with enterprises, mega-projects, and service providers to help them select the best-fit technology solutions. He also works as a consultant to understand customer business processes and helps select an appropriate technology strategy to support business goals. He has more than fifteen years of experience working with global clients. About this Workbook: TO BEAT A HACKER, YOU NEED TO THINK LIKE A HACKER Learn the fundamentals and become one of the most in-demand cyber security professional in 2021: an Ethical Hacker! Your only, most comprehensive and all-in-one resource written by cyber security experts to pass the EC-Council's Certified Ethical Hacker (CEH) v11 exam on the first attempt with the best scores. Our most popular title just got fully updated based on the cutting-edge technological innovations and latest developments in cybersecurity field. What's New in this study guide: Emerging attack vectors. Enumeration deep dive. Malware reverse engineering. Emerging Cloud Computing technologies. Advanced penetration tests for web applications. Operational technology (OT). WPA3 This is a highly practical, intensive, yet comprehensive study guide that will teach you to become a REAL White Hat HACKER!!! The book is for anyone who would like to master the art of ethical hacking. Learn the best ethical hacking practices and techniques to prepare for CEH certification with real-world examples. Along with the most current CEH content, the book also contains strong study aides to support your exam preparation Complete CEH blueprint coverage 150+ Real practice questions 15+ Detailed Mind-maps for easy

explanations & memorization 30+ Hands-on ethical hacking practice labs. Exam tips. Pass guarantee. Learn the best ethical hacking practices and techniques to prepare for CEHv11 certification with real-world examples, tools and techniques available in the market. Even after exam, this authoritative guide will serve as your go-to-reference during your professional career. With the help of this updated version of the book, you will learn about the most powerful and latest hacking techniques such as, Footprinting & Reconnaissance Scanning Networks Enumeration Vulnerability Analysis System Hacking Malware Threats Sniffing Social Engineering Denial-of-Service (DoS) Session Hijacking Evading IDS, Firewalls, and Honeypots Hacking Web Servers Hacking Web Applications SQL Injection Hacking Wireless Networks Hacking Mobile Applications IoT Hacking Cloud Computing Cryptography

Ethical Hacking Daniel G. Graham.2021-09-21 A hands-on guide to hacking computer systems from the ground up, from capturing traffic to crafting sneaky, successful trojans. A crash course in modern hacking techniques, Ethical Hacking is already being used to prepare the next generation of offensive security experts. In its many hands-on labs, you'll explore crucial skills for any aspiring penetration tester, security researcher, or malware analyst. You'll begin with the basics: capturing a victim's network traffic with an ARP spoofing attack and then viewing it in Wireshark. From there, you'll deploy reverse shells that let you remotely run commands on a victim's computer, encrypt files by writing your own ransomware in Python, and fake emails like the ones used in phishing attacks. In advanced chapters, you'll learn how to fuzz for new vulnerabilities, craft trojans and rootkits, exploit websites with SQL injection, and escalate your privileges to extract credentials, which you'll use to traverse a private network. You'll work with a wide range of professional penetration testing tools—and learn to write your own tools in Python—as you practice tasks like: • Deploying the Metasploit

framework's reverse shells and embedding them in innocent-seeming files • Capturing passwords in a corporate Windows network using Mimikatz • Scanning (almost) every device on the internet to find potential victims • Installing Linux rootkits that modify a victim's operating system • Performing advanced Cross-Site Scripting (XSS) attacks that execute sophisticated JavaScript payloads Along the way, you'll gain a foundation in the relevant computing technologies. Discover how advanced fuzzers work behind the scenes, learn how internet traffic gets encrypted, explore the inner mechanisms of nation-state malware like Drovorub, and much more. Developed with feedback from cybersecurity students, Ethical Hacking addresses contemporary issues in the field not often covered in other books and will prepare you for a career in penetration testing. Most importantly, you'll be able to think like an ethical hacker: someone who can carefully analyze systems and creatively gain access to them.

Ethical Hacker's Certification Guide (CEHv11) Mohd Sohaib.2021-10-27 Dive into the world of securing digital networks, cloud, IoT, mobile infrastructure, and much more. KEY FEATURES ● Courseware and practice papers with solutions for C.E.H. v11. ● Includes hacking tools, social engineering techniques, and live exercises. ● Add on coverage on Web apps, IoT, cloud, and mobile Penetration testing. DESCRIPTION The 'Certified Ethical Hacker's Guide' summarises all the ethical hacking and penetration testing fundamentals you'll need to get started professionally in the digital security landscape. The readers will be able to approach the objectives globally, and the knowledge will enable them to analyze and structure the hacks and their findings in a better way. The book begins by making you ready for the journey of a seasonal, ethical hacker. You will get introduced to very specific topics such as reconnaissance, social engineering, network intrusion, mobile and cloud hacking, and so on. Throughout the book, you will find many practical scenarios and get hands-on experience using tools such as Nmap,

BurpSuite, OWASP ZAP, etc. Methodologies like brute-forcing, wardriving, evil twining, etc. are explored in detail. You will also gain a stronghold on theoretical concepts such as hashing, network protocols, architecture, and data encryption in real-world environments. In the end, the evergreen bug bounty programs and traditional career paths for safety professionals will be discussed. The reader will also have practical tasks and self-assessment exercises to plan further paths of learning and certification. WHAT YOU WILL LEARN ● Learn methodologies, tools, and techniques of penetration testing and ethical hacking. ● Expert-led practical demonstration of tools and tricks like nmap, BurpSuite, and OWASP ZAP. ● Learn how to perform brute forcing, wardriving, and evil twinning. ● Learn to gain and maintain access to remote systems. ● Prepare detailed tests and execution plans for VAPT (vulnerability assessment and penetration testing) scenarios. WHO THIS BOOK IS FOR This book is intended for prospective and seasonal cybersecurity lovers who want to master cybersecurity and ethical hacking. It also assists software engineers, quality analysts, and penetration testing companies who want to keep up with changing cyber risks. TABLE OF CONTENTS 1. Cyber Security, Ethical Hacking, and Penetration Testing 2. CEH v11 Prerequisites and Syllabus 3. Self-Assessment 4. Reconnaissance 5. Social Engineering 6. Scanning Networks 7. Enumeration 8. Vulnerability Assessment 9. System Hacking 10. Session Hijacking 11. Web Server Hacking 12. Web Application Hacking 13. Hacking Wireless Networks 14. Hacking Mobile Platforms 15. Hacking Clout, IoT, and OT Platforms 16. Cryptography 17. Evading Security Measures 18. Practical Exercises on Penetration Testing and Malware Attacks 19. Roadmap for a Security Professional 20. Digital Compliances and Cyber Laws 21. Self-Assessment-1 22. Self-Assessment-2

CEH Certified Ethical Hacker All-in-One Exam Guide, Premium Third Edition with Online Practice Labs Matt Walker.2016-12-30 Fully up-to-date coverage of every topic on the CEH v9

certification exam, plus one year of access* to the complete Ethical Hacker online lab environment from Practice Labs Prepare for the EC Council's Certified Ethical Hacker v9 exam with complete confidence using this highly effective self-study system. CEH Certified Ethical Hacker All-in-One Exam Guide, Premium Third Edition with Online Practice Labs features the bestselling book by Matt Walker and one year of unlimited access to Practice Labs online lab environment—carry out real world, hands-on tasks using real hardware simply accessed from a web browser. The Practice Labs platform offers an opportunity to work with industry standard technologies to help you develop a deeper understanding of the topics covered in the certification exam. The one year of online access includes: Real hardware and software needed to develop your practical skills—this is not a simulation but access to the actual equipment you would expect to find in any work place Ethical Hacking labs and associated lab guide—realistic scenarios and clear step-by-step instructions Real world configurations that provide sufficient hardware not only to carry out tasks but also to test the impact of those changes Administrative access to the relevant devices, giving you complete control to carry out your own configurations or to follow the lab guide to configure specific technologies required for ethical hacking The ability to reset and start over with the click of a button—no fear of making mistakes! Inside the book, IT security expert Matt Walker discusses all of the tools, techniques, and exploits relevant to the CEH exam. Readers will find learning objectives at the beginning of each chapter, exam tips, end-of-chapter reviews, and practice exam questions with in-depth answer explanations. Topics include footprinting and reconnaissance, malware, hacking Web applications and mobile platforms, cloud computing vulnerabilities, and much more. Designed to help you pass the exam with ease, this authoritative resource will also serve as an essential on-the-job reference. The book also includes: Practice exam software with 300 practice

questions (Windows only) Secured book PDF *For complete one-year access, initial registration must occur within the first two years of the Premium Third Edition's date of publication.

Certified Ethical Hacker (CEH) Version 9 Cert Guide

Michael Gregg.2017-03-30 This is the eBook edition of the Certified Ethical Hacker (CEH) Version 9 Cert Guide. This eBook does not include the practice exam that comes with the print edition. In this best-of-breed study guide, Certified Ethical Hacker (CEH) Version 9 Cert Guide, leading expert Michael Gregg helps you master all the topics you need to know to succeed on your Certified Ethical Hacker Version 9 exam and advance your career in IT security. Michael's concise, focused approach explains every exam objective from a real-world perspective, helping you quickly identify weaknesses and retain everything you need to know. Every feature of this book is designed to support both efficient exam preparation and long-term mastery: · Opening Topics Lists identify the topics you need to learn in each chapter and list EC-Council's official exam objectives · Key Topics figures, tables, and lists call attention to the information that's most crucial for exam success · Exam Preparation Tasks enable you to review key topics, complete memory tables, define key terms, work through scenarios, and answer review questions...going beyond mere facts to master the concepts that are crucial to passing the exam and enhancing your career · Key Terms are listed in each chapter and defined in a complete glossary, explaining all the field's essential terminology This study guide helps you master all the topics on the latest CEH exam, including · Ethical hacking basics · Technical foundations of hacking · Footprinting and scanning · Enumeration and system hacking · Linux distro's, such as Kali and automated assessment tools · Trojans and backdoors · Sniffers, session hijacking, and denial of service · Web server hacking, web applications, and database attacks · Wireless technologies, mobile security, and mobile attacks · IDS, firewalls, and honeypots · Buffer overflows, viruses, and worms · Cryptographic attacks and

defenses · Cloud security and social engineering

Hands on Hacking Matthew Hickey,Jennifer Arcuri.2020-08-12 A fast, hands-on introduction to offensive hacking techniques Hands-On Hacking teaches readers to see through the eyes of their adversary and apply hacking techniques to better understand real-world risks to computer networks and data. Readers will benefit from the author's years of experience in the field hacking into computer networks and ultimately training others in the art of cyber-attacks. This book holds no punches and explains the tools, tactics and procedures used by ethical hackers and criminal crackers alike. We will take you on a journey through a hacker’s perspective when focused on the computer infrastructure of a target company, exploring how to access the servers and data. Once the information gathering stage is complete, you’ll look for flaws and their known exploits—including tools developed by real-world government financed state-actors. • An introduction to the same hacking techniques that malicious hackers will use against an organization • Written by infosec experts with proven history of publishing vulnerabilities and highlighting security flaws • Based on the tried and tested material used to train hackers all over the world in the art of breaching networks • Covers the fundamental basics of how computer networks are inherently vulnerable to attack, teaching the student how to apply hacking skills to uncover vulnerabilities We cover topics of breaching a company from the external network perimeter, hacking internal enterprise systems and web application vulnerabilities. Delving into the basics of exploitation with real-world practical examples, you won’t find any hypothetical academic only attacks here. From start to finish this book will take the student through the steps necessary to breach an organization to improve its security. Written by world-renowned cybersecurity experts and educators, Hands-On Hacking teaches entry-level professionals seeking to learn ethical hacking techniques. If you are looking to understand

penetration testing and ethical hacking, this book takes you from basic methods to advanced techniques in a structured learning format.

Building a Pentesting Lab for Wireless Networks Vyacheslav Fadyushin,Andrey Popov.2016-03-28 Build your own secure enterprise or home penetration testing lab to dig into the various hacking techniques About This Book Design and build an extendable penetration testing lab with wireless access suitable for home and enterprise use Fill the lab with various components and customize them according to your own needs and skill level Secure your lab from unauthorized access and external attacks Who This Book Is For If you are a beginner or a security professional who wishes to learn to build a home or enterprise lab environment where you can safely practice penetration testing techniques and improve your hacking skills, then this book is for you. No prior penetration testing experience is required, as the lab environment is suitable for various skill levels and is used for a wide range of techniques from basic to advance. Whether you are brand new to online learning or you are a seasoned expert, you will be able to set up your own hacking playground depending on your tasks. What You Will Learn Determine your needs and choose the appropriate lab components for them Build a virtual or hardware lab network Imitate an enterprise network and prepare intentionally vulnerable software and services Secure wired and wireless access to your lab Choose a penetration testing framework according to your needs Arm your own wireless hacking platform Get to know the methods to create a strong defense mechanism for your system In Detail Starting with the basics of wireless networking and its associated risks, we will guide you through the stages of creating a penetration testing lab with wireless access and preparing your wireless penetration testing machine. This book will guide you through configuring hardware and virtual network devices, filling the lab network with applications and security solutions, and making it

look and work like a real enterprise network. The resulting lab protected with WPA-Enterprise will let you practice most of the attack techniques used in penetration testing projects. Along with a review of penetration testing frameworks, this book is also a detailed manual on preparing a platform for wireless penetration testing. By the end of this book, you will be at the point when you can practice, and research without worrying about your lab environment for every task. Style and approach This is an easy-to-follow guide full of hands-on examples and recipes. Each topic is explained thoroughly and supplies you with the necessary configuration settings. You can pick the recipes you want to follow depending on the task you need to perform.

Certified Ethical Hacker (CEH) Cert Guide Michael Gregg.2013-08-30 Accompanying CD-ROM contains: Pearson IT Certification Practice Test Engine, with two practice exams and access to a large library of exam-realistic questions; memory tables, lists, and other resources, all in searchable PDF format.

Part 3: Scanning Methodology Dr. Hidaia Mahmood Alassouli.2020-04-13 This work includes only Part 3 of a complete book in Certified Ethical Hacking Part 3: Scanning Methodology Please, buy the other parts of the book if you are interested in the other parts The objective of the book is to summarize to the user with main issues in certified ethical hacker course. The complete book consists of many parts: 1. Part 1: Lab Setup 2. Part2: Foot printing and Reconnaissance 3. Part 3: Scanning Methodology 4. Part 4: Enumeration 5. Part 5:System Hacking 6. Part 6: Trojans and Backdoors and Viruses 7. Part 7: Sniffer and Phishing Hacking 8. Part 8: Hacking Web Servers 9. Part 9:Hacking Windows and Linux Systems 10. Part 10: Wireless Hacking 11. Part 11: Hacking Mobile Applications

Hacker Techniques, Tools, and Incident Handling Sean-Philip Oriyano,Michael G. Solomon.2018-09-04 Hacker Techniques, Tools, and Incident Handling, Third Edition begins with an examination of the landscape, key terms, and concepts

that a security professional needs to know about hackers and computer criminals who break into networks, steal information, and corrupt data. It goes on to review the technical overview of hacking: how attacks target networks and the methodology they follow. The final section studies those methods that are most effective when dealing with hacking attacks, especially in an age of increased reliance on the Web. Written by subject matter experts, with numerous real-world examples, Hacker Techniques, Tools, and Incident Handling, Third Edition provides readers with a clear, comprehensive introduction to the many threats on our Internet environment and security and what can be done to combat them.

Part1: Hacking Lab Setup & Part2: Foot printing and Reconnaissance Dr Hidaia Mahmood Alassouli.2020-04-13 This work includes only Part 1 and Part 2 of a complete book in Certified Ethical Hacking Part 1: Hacking Lab Setup Part 2 : Foot printing and Reconnaissance Please, buy the other parts of the book if you are interested in the other parts The objective of the book is to summarize to the user with main issues in certified ethical hacker course. The complete book consists of many parts: 1. Part 1: Lab Setup 2. Part2: Foot printing and Reconnaissance 3. Part 3: Scanning Methodology 4. Part 4: Enumeration 5. Part 5:System Hacking 6. Part 6: Trojans and Backdoors and Viruses 7. Part 7: Sniffer and Phishing Hacking 8. Part 8: Hacking Web Servers 9. Part 9:Hacking Windows and Linux Systems 10. Part 10: Wireless Hacking 11. Part 11: Hacking Mobile Applications

Mastering Bug Bounty Aaron Rodriguez.2023-07-10 Mastering Bug Bounty: A Comprehensive Handbook for Ethical Hackers, authored by Aaron Rodriguez, is an essential guide that empowers aspiring ethical hackers with the knowledge and skills to excel in the field of bug hunting. With a focus on practical techniques, real-world scenarios, and expert insights, this book serves as a comprehensive resource for anyone interested in mastering bug bounty programs. In this SEO-friendly description,

Aaron Rodriguez delves into the intricacies of bug bounty programs, providing readers with a step-by-step roadmap to navigate the world of ethical hacking. The book covers a wide range of topics, from foundational ethical hacking skills to advanced exploitation techniques, all presented in a clear and accessible manner. Readers will embark on a journey that begins with an introduction to bug bounty programs, understanding their evolution, and the rewards and incentives associated with ethical hacking. Each chapter offers in-depth coverage of a specific aspect of bug hunting, providing practical examples, case studies, and valuable insights from experienced bug hunters. Throughout the book, Aaron Rodriguez shares his expertise on web application attacks, mobile application security, network and infrastructure testing, and much more. The author guides readers through the process of setting up their ethical hacking lab, mastering networking fundamentals, and leveraging powerful tools for web application security testing. The book also explores advanced topics, including passive and active reconnaissance techniques, vulnerability analysis, and prioritization. Readers will gain insights into exploiting server-side and client-side vulnerabilities, as well as bypassing web application security controls. Additionally, the author delves into mobile application security, covering topics such as reverse engineering, API analysis, and data storage vulnerabilities. With an emphasis on ethical considerations, legal implications, and responsible disclosure practices, Aaron Rodriguez ensures that readers not only acquire technical skills but also develop a strong ethical framework. The book explores bug bounty program management, effective vulnerability reporting and documentation, and strategies for maximizing efficiency and success in bug hunting. Furthermore, Mastering Bug Bounty provides real-world case studies, inspiring success stories, and lessons learned from high-impact bug discoveries. The author highlights the importance of collaboration, knowledge sharing, and continuous learning within

the bug hunting community. Aspiring ethical hackers, security professionals, and individuals interested in cybersecurity will find Mastering Bug Bounty to be an invaluable resource. Aaron Rodriguez's expertise and comprehensive approach make this handbook a go-to guide for mastering the art of bug hunting. Packed with practical insights, actionable advice, and real-world examples, this book equips readers with the tools and knowledge needed to excel in bug bounty programs and make a meaningful impact in the realm of cybersecurity. Mastering Bug Bounty: A Comprehensive Handbook for Ethical Hackers is a must-read for anyone looking to dive into the exciting and ever-evolving world of ethical hacking.

The Hacking Starter Kit Code Addicts.2017-09-10 Take on Ethical Hacking at Your Own Pace Without Having to go Through Plain Impractical Textbooks. What if you had a Hacking course tailored to your needs as a beginner with walkthroughs and visual examples? Imagine how that would speed up your learning process and would decrease your learning curve. Would such a guide help you to accomplish your short term and long term goals when it comes to Hacking? Well it did for thousands of students already! Let me Introduce you to Code Addicts, a platform that thrives on the passion of creating courses and informational products to help beginners and intermediate programmers to get to their goals. Code Addicts is built on people with extensive experience in the Computer Science field that share a passion for giving back. This time they have taken the challenge to create a stunning course to help you from a script kiddy to a scripting Super Saiyan. In this course you'll learn: -How professional hackers set up their hacking lab -Learn how to leverage Kali Linux and Python -How the Pros hack into Local windows systems with Python Scripts -Learn how you can hack wireless networks And a lot more! Buy this book NOW and Take on Ethical Hacking at your own pace without having to go through plain impractical textbooks. Pick up your copy right now by clicking the BUY NOW

button at the top of this page!

Ethical Hacking Daniel G. Graham.2021-11-02 A hands-on guide to hacking computer systems from the ground up, from capturing traffic to crafting sneaky, successful trojans. A crash course in modern hacking techniques, Ethical Hacking is already being used to prepare the next generation of offensive security experts. In its many hands-on labs, you'll explore crucial skills for any aspiring penetration tester, security researcher, or malware analyst. You'll begin with the basics: capturing a victim's network traffic with an ARP spoofing attack and then viewing it in Wireshark. From there, you'll deploy reverse shells that let you remotely run commands on a victim's computer, encrypt files by writing your own ransomware in Python, and fake emails like the ones used in phishing attacks. In advanced chapters, you'll learn how to fuzz for new vulnerabilities, craft trojans and rootkits, exploit websites with SQL injection, and escalate your privileges to extract credentials, which you'll use to traverse a private network. You'll work with a wide range of professional penetration testing tools—and learn to write your own tools in Python—as you practice tasks like: Deploying the Metasploit framework's reverse shells and embedding them in innocent-seeming files Capturing passwords in a corporate Windows network using Mimikatz Scanning (almost) every device on the internet to find potential victims Installing Linux rootkits that modify a victim's operating system Performing advanced Cross-Site Scripting (XSS) attacks that execute sophisticated JavaScript payloads Along the way, you'll gain a foundation in the relevant computing technologies. Discover how advanced fuzzers work behind the scenes, learn how internet traffic gets encrypted, explore the inner mechanisms of nation-state malware like Drovorub, and much more. Developed with feedback from cybersecurity students, Ethical Hacking addresses contemporary issues in the field not often covered in other books and will prepare you for a career in penetration testing. Most importantly,

you'll be able to think like an ethical hacker: someone who can carefully analyze systems and creatively gain access to them.
Ethical Hacking Andrew D. Chapman.2023-12-06 In the rapidly evolving digital age, the line between the defenders and those they defend against is thinner than ever. Ethical Hacking is the essential guide for those who dare to challenge this line, ensuring it holds strong against those with malicious intent. This book is a clarion call to all aspiring cybersecurity enthusiasts to arm themselves with the tools and techniques necessary to safeguard the digital frontier. It is a carefully curated repository of knowledge that will take you from understanding the foundational ethics and legalities of hacking into the depths of penetrating and securing complex systems. Within these pages lies a comprehensive walkthrough of the ethical hacker's arsenal, a deep dive into the world of Kali Linux, and a journey through the stages of a penetration test. The content is rich with practical advice, hands-on exercises, and real-world scenarios that bring the arcane art of ethical hacking into sharp focus. Beyond the technical expertise, Ethical Hacking stands as a testament to the ethical core that is vital to this discipline. It is a beacon of responsibility, guiding you through the dark waters of cybersecurity threats with a steady, ethical hand. Whether you're starting your journey or looking to refine your hacking prowess, this book is an indispensable companion. As the digital landscape continues to shift, let Ethical Hacking be the compass that guides you to becoming a guardian of the cyber world. Your mission begins here.
Hacking and Penetration Testing Sibin Babu.2021-04-25 Became an Ethical Hacker that can hack computer systems like Black Hat Hackers and secure them like security expertsTopics CoveredSetting up a Hacking Lab-Lab overview and needed software-Install and configure VirtualBox-Installing Kali Linux as a Virtual Machine-Creating and Using SnapshotNetwork Hacking-Introduction to Network Penetration Testing / Hacking-

Connecting a Wireless Adapter to Kali-What is MAC address and How to change it?-Wireless Modes (Managed and Monitor)Network Hacking: Pre-Connection Attacks-Packet Sniffing Basics-Wi-Fi Bands - 2.4 Ghz & 5 Ghz Frequencies-Targeted Packet Sniffing -Deauthentication Attack (Disconnecting Any Device From The Network)Network Hacking: Gaining Access - WEP Cracking-Theory Behind Cracking WEP Encryption-WEP Cracking Basics-Fake Authentication Attack-ARP Request Reply AttackNetwork Hacking: Gaining Access - WPA/WPA2/ Cracking-Introduction to WPA and WPA2 Cracking-Hacking WPA & WPA2 Without a Wordlist-Capturing The Handshake-Creating a Wordlist-Cracking WPA & WPA2 Using a Wordlist AttackNetwork Hacking: Post Connection Attacks-Introduction to Post Connection Attacks-Discovering Devices Connected to the Same Network-Gathering Sensitive Info About Connected Devices-Gathering More Sensitive Info(Running Services, Operating System.... etc.)Network Hacking: Post Connection Attacks - MITM attacks-ARP (Address Resolution Protocol) Poisoning-Intercepting Network Traffic-Bettercap Basics-ARP Spoofing Using Bettercap-Spying on Network Devices (Capturing Passwords, Visited websites etc.)-Creating Custom Spoofing Script-Understanding HTTPS & How to Bypass it-Bypassing HTTPS-Bypass HSTS (HTTP Strict Transport Security)-DNS Spoofing - Controlling DNS Requests on the Network-Injecting JavaScript Code-Wireshark-Basic Overview & How to Use it with MITM attacks-Wireshark - Using Filters, Tracing & Dissecting Packets-Wireshark - Capturing Passwords & Anything Send by Any Device In the network.-Creating a Fake Access Point (Honeypot) - Theory-Creating a Fake Access Point (Honeypot) - PracticalGaining Access to Computers: Server-Side Attacks-Installing Metasploitable As a Virtual Machine-Basic Information Gathering & Exploitation-Hacking a Remote Server Using a Basic Metasploite Exploite-Exploiting a Code Execution Vulnerability to Hack into a Remote Server-Nexpose - Installing Nexpose-Nexpose

- Scanning a Target Server for Vulnerabilities-Nexpose - Analyzing Scan Results & Generating ReportsGaining Access: Client-Side Attacks-Installing Veil Framework-Veil Overview and Payloads Basics-Generating an Undetectable Backdoor-Listening for Incoming Connections-Using a Basic Delivery Method to Test the Backdoor & Hack Windows 10-Hacking Windows 10 Using Fake Update-Backdooring Downloads on the Fly to Hack windows 10Gaining Access: Client-Side Attacks-Backdooring Any File Types (Images, PDF's ...etc.)-Compiling and Changing Trojan's Icon-Spoofing .exe Extension to any Extension-Spoofing Emails - Setting Up an SMTP Server-Email Spoofing - Sending Emails as any Email Account-BeEF Overview & Basic Hook Method-BeEF - Running Basic Commands on Target-BeEF - Stealing Password Using a Fake Login Prompt-BeEF - Hacking Windows 10 Using a Fake Update PromptGaining Access: Using the Above Attacks Outside the Local Network-Overview of the Setup-Example 1 - Generating a Backdoor that Works Outside the Network-Configuring the Router to Forward Connections to Kali-Example 2 - Using BeEF Outside the NetworkPost Exploitation-Meterpreter Basics-File System Commands-Maintaining Access - Basic Method-Maintaining Access - Using a Reliable & Undetectable Method-Spying - Capturing Key Strikes & Taking Screenshots-Pivoting - Using a Hacked System to Hack into other SystemsWebsite Hacking

Learn Ethical Hacking from Scratch Zaid Sabih.2018-07-31 Learn how to hack systems like black hat hackers and secure them like security experts Key Features Understand how computer systems work and their vulnerabilities Exploit weaknesses and hack into machines to test their security Learn how to secure systems from hackers Book Description This book starts with the basics of ethical hacking, how to practice hacking safely and legally, and how to install and interact with Kali Linux and the Linux terminal. You will explore network hacking, where you will see how to test the security of wired and wireless networks. You'll also learn how

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

CompTIA PenTest+ Certification All-in-One Exam Guide (Exam PT0-001) Raymond Nutting.2018-12-14 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

Ethical Hacking 101 Karina Astudillo B..2015-11-11 Curious abot how to perform penetration testings? Have you always wanted to become an ethical hacker but haven't got the time or the money to take expensive workshops? Then this book is for you! With just 2 hours of daily dedication you could be able to start your practice as an ethical hacker, of course as long as you not only read the chapters but perform all the labs included with this book. Table of contents: - Chapter 1 - Introduction to Ethical Hacking - Chapter 2 - Reconnaissance or footprinting - Chapter 3 - Scanning - Chapter 4 - Enumeration - Chapter 5 - Exploitation or hacking - Chapter 6 - Writing the audit report without suffering a mental breakdown - Chapter 7 - Relevant international certifications - Final Recommendations - Please leave us a review - About the author - Glossary of technical terms - Apendix A: Tips for succesful labs - Notes and references Note: The labs are updated for Kali Linux 2!

Alexa Daniel French.2017-09-10 Take on Ethical Hacking at Your Own Pace Without Having to go Through Plain Impractical Textbooks. What if you had a Hacking course tailored to your needs as a beginner with walkthroughs and visual examples? Imagine how that would speed up your learning process and would decrease your learning curve. Would such a guide help you

to accomplish your short term and long term goals when it comes to Hacking? Well it did for thousands of students already! Let me Introduce you to Code Addicts, a platform that thrives on the passion of creating courses and informational products to help beginners and intermediate programmers to get to their goals. Code Addicts is built on people with extensive experience in the Computer Science field that share a passion for giving back. This time they have taken the challenge to create a stunning course to help you from a script kiddy to a scripting Super Saiyan. In this course you'll learn: -How professional hackers set up their hacking lab -Learn how to leverage Kali Linux and Python -How the Pros hack into Local windows systems with Python Scripts -Learn how you can hack wireless networks And a lot more! Buy this book NOW and Take on Ethical Hacking at your own pace without having to go through plain impractical textbooks. Pick up your copy right now by clicking the BUY NOW button at the top of this page!

Professional Penetration Testing Thomas Wilhelm.2010 With this text, readers can conduct controlled attacks on a network through real-world examples of vulnerable and exploitable servers. The DVD includes instructional videos that replicate classroom instruction and live, real-world vulnerability simulations of complete servers.

Learn to Hack from Scratch A Anon.2020-02-03 Welcome to this comprehensive course on Ethical Hacking. This course assumes you have NO prior knowledge in hacking and by the end of it, you should be able to hack systems like black-hat hackers and secure them like security experts. This course is highly practical, but it will not neglect the theory, so we will begin with ethical hacking basics and the different fields in penetration testing, installing the needed and then we will start hacking systems straight away. From here onwards you will learn everything by example, by analysing and exploiting computer systems such as networks, servers, clients, websites and

more.The course is divided into a number of sections, each section covers a penetration testing / hacking field, in each of these sections you'll first learn how the target system works, the weaknesses of this system, and how to practically exploit theses weaknesses and hack into it, not only that but you will also learn how to secure this system from the discussed attacks. This course will take you from a beginner to a more advanced level by the time you finish, you will have knowledge about most penetration testing fields. This book will ultimately enable you to become an Ethical Hacker that can Hack Computer Systems like Black Hat Hackers and Secure them like Security Experts.All the techniques in this course are practical and work against real systems, you will understand the whole mechanism of each technique first, then you will learn how to use it to hack into the target system, so by the end of the course you will be able to modify the these techniques to launch more powerful attacks, and adopt them to different situations and different scenarios.You will learn the following: -Start from scratch up to a high-intermediate level-Learn what is ethical hacking, its fields and the different types of hackers-Install hacking lab & needed software-Hack & secure both WiFi & wired networks-Discover vulnerabilities & exploit them hack into servers-Hack secure systems using client-side and social engineering attacks-Use 40+ hacking tools such as Metasploit, Aircrack-ng, SQLmap.....etc-Understand how websites work, how to discover & exploit web vulnerabilities to gain control over websites-Secure systems from all the attacks shown-Install Kali Linux - a penetration testing operating system-Install Windows & vulnerable operating systems as virtual machines for testing-Learn linux basics-Learn Learn linux commands and how to interact with the terminal-Learn Network Penetration Testing-Network basics & how devices interact inside a network-Perform several practical attacks that can be used without knowing the key to the target network-Control connections of clients around you without knowing the password.-Gather detailed information

about clients and networks like their OS, opened ports ...etc.-Crack WEP/WPA/WPA2 encryptions using several methods.-ARP Spoofing/ARP Poisoning-Launch Various Man In The Middle attacks.-Gain access to any account accessed by any client in your network.-Sniff packets from clients and analyse them to extract info such as: passwords, cookies, urls, videos, images.-Discover open ports, installed services and vulnerabilities on computer systems-Gain control over computer systems using server-side attacks-Exploit buffer overflows and code execution vulnerabilities to gain control over systems-Gain control over computer systems using client-side attacks-Gain control over computer systems using fake updates-Gain control over computer systems by backdooring downloads on the fly-Create undetectable backdoors-Backdoor normal programs-Backdoor any file type such as pictures, pdf's ...etc.-Gather information about people, such as emails, social media accounts, emails and friends-Use social engineering to gain full control over target systems

Penetration Testing for Jobseekers Debasish Mandal.2022-04-19 Understand and Conduct Ethical Hacking and Security Assessments KEY FEATURES ● Practical guidance on discovering, assessing, and mitigating web, network, mobile, and wireless vulnerabilities. ● Experimentation with Kali Linux, Burp Suite, MobSF, Metasploit and Aircrack-suite. ● In-depth explanation of topics focusing on how to crack ethical hacking interviews. DESCRIPTION Penetration Testing for Job Seekers is an attempt to discover the way to a spectacular career in cyber security, specifically penetration testing. This book offers a practical approach by discussing several computer and network fundamentals before delving into various penetration testing approaches, tools, and techniques. Written by a veteran security professional, this book provides a detailed look at the dynamics that form a person's career as a penetration tester. This book is divided into ten chapters and covers numerous facets of penetration testing, including web application, network, Android

application, wireless penetration testing, and creating excellent penetration test reports. This book also shows how to set up an in-house hacking lab from scratch to improve your skills. A penetration tester's professional path, possibilities, average day, and day-to-day obstacles are all outlined to help readers better grasp what they may anticipate from a cybersecurity career. Using this book, readers will be able to boost their employability and job market relevance, allowing them to sprint towards a lucrative career as a penetration tester. WHAT YOU WILL LEARN ●Perform penetration testing on web apps, networks, android apps, and wireless networks. ●Access to the most widely used penetration testing methodologies and standards in the industry. ●Use an artistic approach to find security holes in source code. ●Learn how to put together a high-quality penetration test report. ● Popular technical interview questions on ethical hacker and pen tester job roles. ● Exploration of different career options, paths, and possibilities in cyber security. WHO THIS BOOK IS FOR This book is for aspiring security analysts, pen testers, ethical hackers, anyone who wants to learn how to become a successful pen tester. A fundamental understanding of network principles and workings is helpful but not required. TABLE OF CONTENTS 1. Cybersecurity, Career Path, and Prospects 2. Introduction to Penetration Testing 3. Setting Up Your Lab for Penetration Testing 4. Web Application and API Penetration Testing 5. The Art of Secure Source Code Review 6. Penetration Testing Android Mobile Applications 7. Network Penetration Testing 8. Wireless Penetration Testing 9. Report Preparation and Documentation 10. A Day in the Life of a Pen Tester

Ethical Hacking: Techniques, Tools, and Countermeasures + Cloud Labs Robert Shimonski,Michael G Solomon.2023-10-20 Print Textbook & Cloud Lab Access: 180-day subscription. The cybersecurity Cloud Labs for Ethical Hacking: Techniques, Tools, and Countermeasures provide fully immersive mock IT infrastructures with live virtual machines and real software,

where students will learn and practice the foundational information security skills they will need to excel in their future careers. Unlike simulations, these hands-on virtual labs reproduce the complex challenges of the real world, without putting an institution's assets at risk. Available as a standalone lab solution or bundled with Jones & Bartlett Learning textbooks, these cybersecurity Cloud Labs are an essential tool for mastering key course concepts through hands-on training. Labs: Lab 1: Performing Passive Reconnaissance Lab 2: Performing Active Reconnaissance Lab 3: Exploiting Vulnerable Hosts Lab 4: Performing Malware-Based Attacks Lab 5: Performing Web Application and Database Attacks Lab 6: Performing Packet Capture and Session Hijacking Lab 7: Exploiting Wireless Vulnerabilities Lab 8: Performing Social Engineering Attacks Lab 9: Investigating and Responding to Security Incidents Lab 10: Applying Defense-in-Depth Strategies to Secure Network Assets

Ethical Hacking and Countermeasures - Lab Manual V4. 0 Element K Content LLC.2005-01-01

Ethical Hacking and Countermeasures - Lab Manual V4. 1 Element K Content LLC.2005-01-01

Professional Penetration Testing Thomas Wilhelm.2009 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

Ethical Hacking for Beginners Attila Kovacs.2019-07-21 Do you want learn how to build a PenTest Lab but you don't know where to start?Do you want a practical book that explains step-by-step how to get going?Do you want to become an Ethical Hacker or PenTester?If the answer is yes to the above questions, this book is for you!Frequently Asked Questions-Question: I am new to IT, and I don't have any experience in the field of Hacking, should I get this book?-Answer: This book is designed to those interested in Penetration Testing aka Ethical Hacking, and having limited, or no experience in the realm of Cybersecurity.-Question: I am not a hacker. Are there any technical prerequisites for reading this book?-Answer: No. This book is written in everyday English, and no technical experience required.-Question: I have been reading similar books before, but I am still not sure if I should buy this book. How do I know this book is any good?-Answer: This book is written by a Security Architect, having over a decade of experience on platforms such as: Cisco Systems, Checkpoint, Palo Alto, Brocade, Back Track / Kali Linux, RedHat Linux, CentOS, Orion, Prime, DLP, IPS, IDS, Nexus, and much more... Learning from someone with real life experience is extremely valuable. You will learn about real life technologies and methodologies used in today's IT Infrastructure, and Cybersecurity Division.BUY THIS BOOK NOW, AND GET STARTED TODAY!IN THIS BOOK YOU

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Penetration Testing Georgia Weidman.2014-06-14 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.

Professional Penetration Testing Thomas Wilhelm.2013-06-27 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

Learn Programming Gary Mitnick.2017-03-24 2 Amazon Best Sellers - Get Yours Now! Read This Computer Book for FREE on Kindle Unlimited ~ Download Now! *OFFER* Buy a paperback copy of this computer book and receive the Kindle version for $1.99! The Best Hacking Course for Beginners Available Are you ready to enhance your computer hacking experience? Learn how to hack into your windows computer and become the ultimate hacker. HACKING: Learn Hacking FAST! Ultimate Course Book for Beginners provides hacking tools, tutorials, resources, and brief in-depth hacking information that will take your computer hacking experience to the Next Level. HACKING: Learn Hacking FAST! Ultimate Course Book for Beginners is designed to start and guide you into the world of computer hacking and referred onto FREE interactive online courses. This book will prepare you to enter the world of kali Linux and penetration testing in an easy to understand fashion. You will learn... Running Heavy Applications Without Installing Auto Time-Bomb Shut Off Creating Invisible Folders Speeding Up Your System Speech with Your Computer Creating a REAL Key-Logger And More... FREE Bonus Offer Included Inside Create Your Own Penetration Testing Laboratory! Are you ready to enhance your computer hacking experience? Learn how to create your own hacking lab! HACKING: Create Your Own Penetration Testing Lab (Kali Linux Booklet) provides all the information you need and step-by-step process to create your very own hacking testing laboratory! Welcome to the Next Level of computer madness. Hacking: Create Your Own Penetration Testing Lab (Kali Linux Booklet) is

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Hands-On Ethical Hacking and Network Defense Nicholas Antill.2022-03-25

Ethical Hacking: The Most Comprehensive Guide to Learning Effective Ethical Hacking Strategies Hacker Basic Security, Networking Hackin Erick Myers.2021-01-31 Learn how to hack systems like black hat hackers and secure them like security experts Key Features: Understand how computer systems work and their vulnerabilities Exploit weaknesses and hack into machines to test their security Learn how to secure systems from hackers Book Description: This book starts with ethical hacking basics, how to practice hacking safely and legally, and how to install and interact with Kali Linux and the Linux terminal. You will explore network hacking, where you will see how to test wired and wireless networks' security. You'll also learn how to crack the password for any Wi-Fi network (whether it uses WEP, WPA, or WPA2) and spy on the connected devices. Moving on, you will discover how to gain access to remote computer systems using client-side and server-side attacks. You will also get the hang of post-exploitation techniques, including remotely controlling and interacting with the systems that you compromised. Towards the end of the book, you will be able to pick up web application hacking techniques. You'll see how to discover, exploit, and prevent several website vulnerabilities, such as XSS and SQL injections. The attacks covered are practical techniques that work against real systems and are purely for educational purposes. At the end of each section, you will learn how to detect, prevent, and secure systems from these attacks.

What you will learn Understand ethical hacking and the different fields and types of hackers Set up a penetration testing lab to practice safe and legal hacking Explore Linux basics, commands, and how to interact with the terminal Access password-protected networks and spy on connected clients Use server and client-side attacks to hack and control remote computers Control a hacked system remotely and use it to hack other systems Discover, exploit, and prevent some web application vulnerabilities such as XSS and SQL injections Who this book is for Learning Ethical Hacking from Scratch is for anyone interested in learning how to hack and test the security of systems like professional hackers and security experts.

The Basics of Hacking and Penetration Testing Patrick Engebretson.2013-06-24 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.

Building and Automating Penetration Testing Labs in the Cloud Joshua Arvin Lat.2023-10-13 Take your penetration testing career to the next level by discovering how to set up and exploit cost-effective hacking lab environments on AWS, Azure, and GCP Key Features Explore strategies for managing the complexity, cost, and security of running labs in the cloud Unlock the power of infrastructure as code and generative AI when building complex lab environments Learn how to build pentesting labs that mimic modern environments on AWS, Azure, and GCP Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionThe significant increase in the number of cloud-related threats and issues has led to a surge in the demand for cloud security professionals. This book will help you set up vulnerable-by-design environments in the cloud to minimize the risks involved while learning all about cloud penetration testing and ethical hacking. This step-by-step guide begins by helping you design and build penetration testing labs that mimic modern cloud environments running on AWS, Azure, and Google Cloud Platform (GCP). Next, you'll find out how to use infrastructure as code (IaC) solutions to manage a variety of lab environments in the cloud. As you advance, you'll discover how generative AI tools, such as ChatGPT, can be leveraged to accelerate the preparation of IaC templates and configurations. You'll also learn how to validate vulnerabilities by exploiting misconfigurations and vulnerabilities using various penetration testing tools and techniques. Finally, you'll explore several practical strategies for managing the complexity, cost, and risks involved when dealing with penetration testing lab environments in the cloud. By the end of this penetration testing book, you'll be able to design and

build cost-effective vulnerable cloud lab environments where you can experiment and practice different types of attacks and penetration testing techniques.What you will learn Build vulnerable-by-design labs that mimic modern cloud environments Find out how to manage the risks associated with cloud lab environments Use infrastructure as code to automate lab infrastructure deployments Validate vulnerabilities present in penetration testing labs Find out how to manage the costs of running labs on AWS, Azure, and GCP Set up IAM privilege escalation labs for advanced penetration testing Use generative AI tools to generate infrastructure as code templates Import the Kali Linux Generic Cloud Image to the cloud with ease Who this book is forThis book is for security engineers, cloud engineers, and aspiring security professionals who want to learn more about penetration testing and cloud security. Other tech professionals working on advancing their career in cloud security who want to learn how to manage the complexity, costs, and risks associated with building and managing hacking lab environments in the cloud will find this book useful.

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