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 Hands-on Ethical Hacking and Network Defense
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DARRYL DAVIES

Gray Hat Hacking, Second Edition Createspace Independent Publishing Platform
 The Basics of Hacking and Penetration Testing, Second Edition, serves as an introduction to the steps required to complete a penetration test or perform an ethical hack from beginning to end. The book teaches students how to properly utilize and interpret the results of the modern-day hacking tools required to complete a penetration test. It provides a simple and clean explanation of how to effectively utilize these tools, along with a four-step methodology for conducting a penetration test or hack, thus equipping students with the know-how required to jump start their careers and gain a better understanding of offensive security. Each chapter contains hands-on examples and exercises that are designed to teach learners how to interpret results and utilize those results in later phases. Tool coverage includes: Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender

rootkit. This is complemented by PowerPoint slides for use in class. This book is an ideal resource for security consultants, beginning InfoSec professionals, and students. Each chapter contains hands-on examples and exercises that are designed to teach you how to interpret the results and utilize those results in later phases Written by an author who works in the field as a Penetration Tester and who teaches Offensive Security, Penetration Testing, and Ethical Hacking, and Exploitation classes at Dakota State University Utilizes the Kali Linux distribution and focuses on the seminal tools required to complete a penetration test

Hacking Ujjwal Sahay

Over 80 recipes to master the most widely used penetration testing framework.

Ethical Hacking Createspace Independent Publishing Platform

The world's most infamous hacker offers an insider's view of the low-tech threats to high-tech security Kevin Mitnick's exploits as a cyber-desperado and fugitive form one of the most exhaustive FBI manhunts in history and have spawned dozens of articles, books, films, and documentaries. Since his release from federal prison, in 1998, Mitnick has turned his life around

and established himself as one of the most sought-after computer security experts worldwide. Now, in The Art of Deception, the world's most notorious hacker gives new meaning to the old adage, "It takes a thief to catch a thief." Focusing on the human factors involved with information security, Mitnick explains why all the firewalls and encryption protocols in the world will never be enough to stop a savvy grifter intent on rifling a corporate database or an irate employee determined to crash a system. With the help of many fascinating true stories of successful attacks on business and government, he illustrates just how susceptible even the most locked-down information systems are to a slick con artist impersonating an IRS agent. Narrating from the points of view of both the attacker and the victims, he explains why each attack was so successful and how it could have been prevented in an engaging and highly readable style reminiscent of a true-crime novel. And, perhaps most importantly, Mitnick offers advice for preventing these types of social engineering hacks through security protocols, training programs, and manuals that address the human element of security.

Python Ethical Hacking from Scratch Abhishek karmakar

“To catch a thief think like a thief” the book takes a simplified approached tour through all the cyberthreats faced by every individual and corporate, The book has addressed some of the horrific cybercrime cases to hit the corporate world as well as individuals, including Credit card hacks and social media hacks. Through this book, you would be able to learn about the modern Penetration Testing Framework, latest tools and techniques, discovering vulnerabilities, patching vulnerabilities. This book will help readers to undercover the approach and psychology of blackhat hackers. Who should read this book? College student. corporate guys. newbies looking for expanding knowledge. Ethical hackers. Though this book can be used by anyone, it is however advisable to exercise extreme caution in using it and be sure not to violate the laws existing in that country.

Hacking Cengage Learning

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

Hacking CRC Press

This Book is written by keeping one object in mind that a beginner, who is not much familiar regarding computer hacking, can easily, attempts these hacks and recognize what we are trying to demonstrate. After Reading this book you will come to recognize that how Hacking is affecting our everyday routine work and can be very hazardous in many fields.

Ethical Hacking McGraw Hill Professional

As information security become ubiquitous in our lives, Ethical hacking has become a key skill in the repertoire of the professional penetration tester. First Step To Ethical Hacking presents Penetration testing guide from the ground up, introducing all elements of penetration testing with new technology. Learn various Penetration testing methodologies by step by step example, from the basics to advance. There are many interesting and new things that you will learn in this book - Exploitation, Password Cracking, Side jacking, Acquiring an Image, Mobile Forensics, Android spyware, Wireless Cracking and a bunch of other att

Tribe of Hackers Red Team Addison Wesley Publishing Company

This text introduces the spirit and theory of hacking as well as the science behind it all; it also provides some core techniques and tricks of hacking so you can think like a hacker, write your own hacks or thwart potential system attacks.

Hacker, Hoaxer, Whistleblower, Spy John Wiley & Sons

These books are all about hacking - ethical hacking to be precise. Ethical hacking is the art of testing your own network and computers for security holes and learning how to close them up before an unethical hacker gets the chance to get in and do damage. With all the stories in the news on an almost daily basis about hacking, digital security has become one of the most crucial factors in our lives. Most people do their banking online, they use PayPal, they use email and these, plus any other service or website you use with personal information, are open to being hacked.

Ethical Hacking 101 Elsevier

-- 55% OFF for Bookstores! -- Hacking is a term most of us shudder away from; we assume that it is only for those who have lots of programming skills and loose morals and that it is too hard for us to learn how to use it. But what if you could work with hacking like a good thing, as a way to protect your own personal information and even the information of many customers for a large business? This guidebook is going to spend some time taking a look at the world of hacking and some of the great techniques that come with this type of process as well. Whether you are an unethical or ethical hacker, you will use a lot of the same techniques, and this guidebook is going to explore

them in more detail along the way, turning you from a novice to a professional in no time. Some of the different topics we will look at concerning hacking in this guidebook includes: The basics of hacking and some of the benefits of learning how to use this programming technique. The different types of hackers, why each one is important, and how they are different from one another. How to work with your own penetration test. The importance of strong passwords and how a professional hacker will attempt to break through these passwords. A look at how to hack through a website of any company that doesn't add in the right kind of security to the mix. A look at how to hack through the different wireless networks that are out there to start a man-in-the-middle attack or another attack. Some of the other common attacks that we need to work with including man-in-the-middle, denial-of-service attack malware, phishing, and so much more. Some of the steps that you can take in order to ensure that your network will stay safe and secure, despite all of the threats out there. Hacking is a term that most of us do not know that much about. We assume that only a select few can use hacking to gain their own personal advantage and that it is too immoral or too hard for most of us to learn. But learning a bit about hacking can actually be the best way to keep your own network safe. Are you ready to learn more about hacking and what it can do to the safety and security of your personal or business network?

Metasploit Penetration Testing Cookbook Packt Publishing Ltd

The EC-Council | Press Ethical Hacking and Countermeasures Series is comprised of five books covering a broad base of topics in offensive network security, ethical hacking, and network defense and countermeasures. The content of this series is designed to immerse the reader into an interactive environment where they will be shown how to scan, test, hack and secure information systems. With the full series of books, the reader will gain in-depth knowledge and practical experience with essential security systems, and become prepared to succeed on the Certified Ethical Hacker, or C|EH, certification from EC-Council. This certification covers a plethora of offensive security topics ranging from how perimeter defenses work, to scanning and attacking simulated networks. A wide variety of tools, viruses, and malware is presented in this and the other four books, providing a complete understanding of the tactics and tools used by hackers. By gaining a thorough understanding of how hackers operate, an Ethical Hacker will be able to set up strong countermeasures and defensive systems to protect an organization's critical infrastructure and information. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

HACK-X-CRYPT Jones & Bartlett Learning

This open access book provides the first comprehensive collection of papers that provide an integrative view on cybersecurity. It discusses theories, problems and solutions on the relevant ethical issues involved. This work is sorely needed in a world where cybersecurity has become indispensable to protect trust and confidence in the digital infrastructure whilst respecting fundamental values like equality, fairness, freedom, or privacy. The book has a strong practical focus as it includes case studies outlining ethical issues in cybersecurity and presenting guidelines and other measures to tackle those issues. It is thus not only relevant for academics but also for practitioners in cybersecurity such as providers of security software, governmental CERTs or Chief Security Officers in companies.

Hacking- The art Of Exploitation KHANNA PUBLISHING

Complex and controversial, hackers possess a wily, fascinating talent, the machinations of which are shrouded in secrecy. Providing in-depth exploration into this largely uncharted territory, Profiling Hackers: The Science of Criminal Profiling as Applied to the World of Hacking offers insight into the hacking realm by telling attention-grabbing ta

Hacking the Hacker Routledge

Cyber crime and the threat of computer-related attacks are crowing daily, and the need for security professionals who understand how attackers compromise networks is growing right along with the thread. If you have an understanding of computers and networking basics and are considering becoming a security tester, this book will show you how to get started in this field. It covers the legalities of ethical hacking, the details of malware, network attacks, cryptography, OS vulnerabilities, wireless network hacking, and more--

Certified Blackhat : Methodology to unethical hacking John Wiley & Sons

Ethical Hacking: A Comprehensive Beginner's Guide to Learn and Understand the Realms of Ethical Hacking is an introduction to performing a penetration test, or an ethical hack from beginning to end. Hacking can feel daunting at times and even intimidating to beginners because of the stigma it still carries in society, but this book teaches students how to use hacking tools and techniques

properly and ethically. It provides a clear explanation of every step of the way so that any aspiring hacker can understand all concepts and practice what they learn. Every chapter contains examples and definitions that are easy to follow and understand. The student will learn the basics of hacking, how to operate Linux and use terminal commands, followed by an extensive guide on how to perform all the steps of a penetration test. Here's what students will gain from reading this beginner-friendly book: The basics of hacking, terminology, cyberlaw, and what a penetration test actually is. The penetration test methodology. Each chapter will guide you through information gathering techniques, vulnerability scanning, exploitation, and access maintenance. Students will also learn the importance of writing a professional penetration test report. The game is not over when authentications are bypassed and systems controlled. Open your mind to an entire world of possibilities and learn how to become an ethical hacker!

First Step To Ethical Hacking John Wiley & Sons

This book explains the methodologies, framework, and "unwritten conventions" that ethical hacks should employ to provide the maximum value to organizations that want to harden their security. It goes beyond the technical aspects of penetration testing to address the processes and rules of engagement for successful tests. The text examines testing from a strategic perspective to show how testing ramifications affect an entire organization. Security practitioners can use this book to reduce their exposure and deliver better service, while organizations will learn how to align the information about tools, techniques, and vulnerabilities that they gather from testing with their business objectives.

Hactivism and Cyberwars John Wiley & Sons

How will governments and courts protect civil liberties in this new era of hacktivism? Ethical Hacking discusses the attendant moral and legal issues. The first part of the 21st century will likely go down in history as the era when ethical hackers opened governments and the line of transparency moved by force. One need only read the motto “we open governments” on the Twitter page for Wikileaks to gain a sense of the sea change that has occurred. Ethical hacking is the non-violent use of a technology in pursuit of a cause—political or otherwise—which is often legally and morally ambiguous. Hacktivists believe in two general but spirited principles: respect for human rights and fundamental freedoms, including freedom of expression and personal privacy; and the responsibility of government to be open, transparent and fully accountable to the public. How courts and governments will deal with hacking attempts which operate in a grey zone of the law and where different ethical views collide remains to be seen. What is undisputed is that Ethical Hacking presents a fundamental discussion of key societal questions. A fundamental discussion of key societal questions. This book is published in English. - La première moitié du XXI^e siècle sera sans doute reconnue comme l’époque où le piratage éthique a ouvert de force les gouvernements, déplaçant les limites de la transparence. La page twitter de Wikileaks enchâsse cet ethos à même sa devise, « we open governments », et sa volonté d’être omniprésent. En parallèle, les grandes sociétés de technologie comme Apple se font compétition pour produire des produits de plus en plus sécuritaires et à protéger les données de leurs clients, alors même que les gouvernements tentent de limiter et de décrypter ces nouvelles technologies d’encryption. Entre-temps, le marché des vulnérabilités en matière de sécurité augmente à mesure que les experts en sécurité informatique vendent des vulnérabilités de logiciels des grandes technologies, dont Apple et Google, contre des sommes allant de 10 000 à 1,5 million de dollars. L’activisme en sécurité est à la hausse. Le piratage éthique est l’utilisation non-violence d’une technologie quelconque en soutien d’une cause politique ou autre qui est souvent ambiguë d’un point de vue juridique et moral. Le hacking éthique peut désigner les actes de vérification de pénétration professionnelle ou d’experts en sécurité informatique, de même que d’autres formes d’actions émergentes, comme l’hactivisme et la désobéissance civile en ligne. L’hactivisme est une forme de piratage éthique, mais également une forme de militantisme des droits civils à l’ère numérique. En principe, les adeptes du hacktivism croient en deux grands principes : le respect des droits de la personne et les libertés fondamentales, y compris la liberté d’expression et à la vie privée, et la responsabilité des gouvernements d’être ouverts, transparents et pleinement redevables au public. En pratique, toutefois, les antécédents comme les agendas des hacktivistes sont fort diversifiés. Il n’est pas clair de quelle façon les tribunaux et les gouvernements traiteront des tentatives de piratage eu égard aux zones grises juridiques, aux approches éthiques conflictuelles, et compte tenu du fait qu’il n’existe actuellement, dans le monde, presque aucune exception aux provisions, en matière de cybercrime et de crime informatique, liées à la recherche sur la sécurité ou l’intérêt public. Il sera également difficile de déterminer le lien entre hacktivism et droits civils. Ce livre est publié

en anglais.

Learning Kali Linux John Wiley & Sons

Explore the world of practical ethical hacking by developing custom network scanning and remote access tools that will help you test the system security of your organization Key Features Get hands-on with ethical hacking and learn to think like a real-life hacker Build practical ethical hacking tools from scratch with the help of real-world examples Leverage Python 3 to develop malware and modify its complexities Book Description Penetration testing enables you to evaluate the security or strength of a computer system, network, or web application that an attacker can exploit. With this book, you'll understand why Python is one of the fastest-growing programming languages for penetration testing. You'll find out how to harness the power of Python and pentesting to enhance your system security. Developers working with Python will be able to put their knowledge and experience to work with this practical guide. Complete with step-by-step explanations of essential concepts and practical examples, this book takes a hands-on approach to help you build your own pentesting tools for testing the security level of systems and networks. You'll learn how to develop your own ethical hacking tools using Python and explore hacking techniques to exploit vulnerabilities in networks and systems. Finally, you'll be able to get remote access to target systems and networks using the tools you develop and modify as per your own requirements. By the end of this ethical hacking book, you'll have developed the skills needed for building cybersecurity tools and learned how to secure your systems by thinking like a hacker. What you will learn Understand the core concepts of ethical hacking Develop custom hacking tools from scratch to be used for ethical hacking purposes Discover ways to test the cybersecurity of an organization by bypassing protection schemes Develop attack vectors used in real cybersecurity tests Test the system security of an organization or subject by identifying and exploiting its weaknesses Gain and maintain remote access to target systems Find ways to stay undetected on target systems and local networks Who this book is for If you want to learn ethical hacking by developing your own tools instead of just using the prebuilt tools, this book is for you. A solid understanding of fundamental Python concepts is expected. Some complex Python concepts are explained in the book, but the goal is to teach ethical hacking, not Python.

[The Basics of Web Hacking](#) Cengage Learning

Master Wireshark to solve real-world security problems If you don't already use Wireshark for a

wide range of information security tasks, you will after this book. Mature and powerful, Wireshark is commonly used to find root cause of challenging network issues. This book extends that power to information security professionals, complete with a downloadable, virtual lab environment. Wireshark for Security Professionals covers both offensive and defensive concepts that can be applied to essentially any InfoSec role. Whether into network security, malware analysis, intrusion detection, or penetration testing, this book demonstrates Wireshark through relevant and useful examples. Master Wireshark through both lab scenarios and exercises. Early in the book, a virtual lab environment is provided for the purpose of getting hands-on experience with Wireshark. Wireshark is combined with two popular platforms: Kali, the security-focused Linux distribution, and the Metasploit Framework, the open-source framework for security testing. Lab-based virtual systems generate network traffic for analysis, investigation and demonstration. In addition to following along with the labs you will be challenged with end-of-chapter exercises to expand on covered material. Lastly, this book explores Wireshark with Lua, the light-weight programming language. Lua allows you to extend and customize Wireshark's features for your needs as a security professional. Lua source code is available both in the book and online. Lua code and lab source code are available online through GitHub, which the book also introduces. The book's final two chapters greatly draw on Lua and TShark, the command-line interface of Wireshark. By the end of the book you will gain the following: Master the basics of Wireshark Explore the virtual w4sp-lab environment that mimics a real-world network Gain experience using the Debian-based Kali OS among other systems Understand the technical details behind network attacks Execute exploitation and grasp offensive and defensive activities, exploring them through Wireshark Employ Lua to extend Wireshark features and create useful scripts To sum up, the book content, labs and online material, coupled with many referenced sources of PCAP traces, together present a dynamic and robust manual for information security professionals seeking to leverage Wireshark. *The Art of Deception* Springer Nature

Do you want to learn how to set up a new network for your home or business place and get the best performance of your network? Are you worried about the security structure of your network and want to prevent all forms of attacks on your system? If so then keep reading. The various forms of internet communication have changed the whole concept of communication across a long

distance. Networking has adapted the concepts of wireless functioning which have helped in wiping out various redundancies. The wired form of network is still in use owing to its special features and working capabilities. Networking is a complex concept and if done right it can do wonders. Having a brief overview of the networking concepts is very essential for setting up a new network or for improving the functionality of an existing network. It is not at all easy to constantly look out for the various forms of threats that are always ready to attack your system of network. It is your prime duty to analyze your network and check out for the various loopholes that are present within the system. Failing to do so might result in serious loss data and security breach. For having a proper idea about the security threats, it is crucial to learn about the process of hacking in the first place. When you have proper knowledge about the complete process of hacking, you can easily trace out the threats for your system and also improve the security measures for the same. You can perform various functions with the help of Kali Linux. It not only helps in hacking but also provides the users with various tools that can help in testing the networks for security vulnerabilities. It is a very process to set up the OS and can be installed on any form of system. There are various types of cyber-attacks and as the owner of an organization you are required to have proper knowledge about the same. This will help you in planning out preventive measures for the future attacks. As every disease comes with an antidote, cyber-attacks also come with antivirus software for preventing them from attacking the systems. You will learn: The basic format of networking The successful networking processes The master controller who holds all necessary information required by the recipient The necessary components of networking The types of networks Wireless Networking Peer to Peer Connection OSI Model Network Mode Security Circuit and Packet Switching FTP - File Transfer Protocol Network structure and management Concepts of cyber security How to implement security measures Bash and Python Scripting Wireless network security Types of attacks Firewall security Cryptography and Network security Penetration Testing ...and more! You need to start from the beginning in order to setup a proper security system or want to learn how to hack networks! The chapters of this book have been arranged in a unique way that will provide you with the answers to all your questions regarding hacking and security of network. So, if you are interested in the various aspects of Kali Linux along with network security, and want to feel like a Master of Hacking, Scroll up and click the Buy Now button!