

Hacking The Art Of Exploitation 2nd Edition

This much-anticipated revision, written by the ultimate group of top security experts in the world, features 40 percent new content on how to find security holes in any operating system or application. New material addresses the many new exploitation techniques that have been discovered since the first edition, including attacking "unbreakable" software packages such as McAfee's Enterscept, Mac OS X, XP, Office 2003, and Vista. Also features the first-ever published information on exploiting Cisco's IOS, with content that has never before been explored. The companion Web site features downloadable code files.

Describes how computer viruses are created and spread, and discusses computer harassment, online con artists, protecting data with encryption, and general computer security issues.

Do you wish to learn some tools of basic security? Do you want to find out how to protect yourself and your data from online attacks? Hacking has never been more important than now! Keep reading if you want to learn more... In our daily life we are constantly connected, using our computer or phones in order to access and share information online. While these various connections help improve our online life, they also pose a cause for concern on what they are sharing and that's why it's important to understand what cybersecurity mean. Knowledge is power! The book "Hacker Basic Security" contains various simple and straightforward strategies to protect your devices both at work and at home and to improve your understanding of security online and fundamental concepts of cybersecurity. The book extensively explores various topics including - The fundamentals and importance of cybersecurity - The various types of cybersecurity with threats and attacks - Cybersecurity basics: Protect your computer network against virus and malware - Breaches in cybersecurity - The types and ways of preventing data security breaches - Malware - Attacks, types, and analysis - Computer virus and prevention techniques - Basic concepts of cryptography - The assumptions of hackers/attackers - The benefits, drawbacks, and future of cryptography - An extensive topic on virtual private networks. And there's so much more to learn! "Hacker Basic Security" provides an insight into everything concerning cybersecurity even if you have no technical knowledge about it. Hacking is real, and what better way to protect yourself than being pro-active and arming yourself with the knowledge on how it works and what you can do against it. Get yourself furnish with the significance of having a cybersecurity plan with practical guidance to deal and manage threats such as insider threat, data breaches, malware, virus, ransomware, denial-of-service, and worms. You can change the narrative with this book and that begins with you downloading this book and opening yourself up to a whole new world of possibilities! Scroll to the top and select the "BUY" button to start enjoying this amazing deal instantly.

Our Internet-connected society increasingly relies on computers. As a result, attacks on computers from malicious software have never been a bigger concern. Computer Viruses and Malware draws together hundreds of sources to provide an unprecedented view of malicious software and its countermeasures. This book discusses both the technical and human factors involved in computer viruses, worms, and anti-virus software. It also looks at the application of malicious software to computer crime and information warfare. Computer Viruses and Malware is designed for a professional audience composed of researchers and practitioners in industry. This book is also suitable as a secondary text for advanced-level students in computer science.

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.

The first book to reveal and dissect the technical aspect of many social engineering maneuvers. From elicitation, pretexting, influence and manipulation all aspects of social engineering are picked apart, discussed and explained by using real world examples, personal experience and the science behind them to unraveled the mystery in social engineering. Kevin Mitnick—one of the most famous social engineers in the world—popularized the term "social engineering." He explained that it is much easier to trick someone into revealing a password for a system than to exert the effort of hacking into the system. Mitnick claims that this social engineering tactic was the single-most effective method in his arsenal. This indispensable book examines a variety of maneuvers that are aimed at deceiving unsuspecting victims, while it also addresses ways to prevent social engineering threats. Examines social engineering, the science of influencing a target to perform a desired task or divulge information. Arms you with invaluable information about the many methods of trickery that hackers use in order to gather information with the intent of executing identity theft, fraud, or gaining computer system access. Reveals vital steps for preventing social engineering threats. Social Engineering: The Art of Human Hacking does its part to prepare you against nefarious hackers—now you can do your part by putting to good use the critical information within its pages.

Penetration testers simulate cyber attacks to find security weaknesses in networks, operating systems, and applications. Information security experts worldwide use penetration techniques to evaluate enterprise defenses. In Penetration Testing, security expert, researcher, and trainer Georgia Weidman introduces you to the core skills and techniques that every pentester needs. Using a virtual machine-based lab that includes Kali Linux and vulnerable operating systems, you'll run through a series of practical lessons with tools like Wireshark, Nmap, and Burp Suite. As you follow along with the labs and launch attacks, you'll experience the key stages of an actual assessment—including information gathering, finding exploitable vulnerabilities, gaining

access to systems, post exploitation, and more. Learn how to: –Crack passwords and wireless network keys with brute-forcing and wordlists –Test web applications for vulnerabilities –Use the Metasploit Framework to launch exploits and write your own Metasploit modules –Automate social-engineering attacks –Bypass antivirus software –Turn access to one machine into total control of the enterprise in the post exploitation phase You'll even explore writing your own exploits. Then it's on to mobile hacking—Weidman's particular area of research—with her tool, the Smartphone Pentest Framework. With its collection of hands-on lessons that cover key tools and strategies, Penetration Testing is the introduction that every aspiring hacker needs.

The 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.

Hacker extraordinaire Kevin Mitnick delivers the explosive encore to his bestselling The Art of Deception Kevin Mitnick, the world's most celebrated hacker, now devotes his life to helping businesses and governments combat data thieves, cybervandals, and other malicious computer intruders. In his bestselling The Art of Deception, Mitnick presented fictionalized case studies that illustrated how savvy computer crackers use "social engineering" to compromise even the most technically secure computer systems. Now, in his new book, Mitnick goes one step further, offering hair-raising stories of real-life computer break-ins-and showing how the victims could have prevented them. Mitnick's reputation within the hacker community gave him unique credibility with the perpetrators of these crimes, who freely shared their stories with him-and whose exploits Mitnick now reveals in detail for the first time, including: A group of friends who won nearly a million dollars in Las Vegas by reverse-engineering slot machines Two teenagers who were persuaded by terrorists to hack into the Lockheed Martin computer systems Two convicts who joined forces to become hackers inside a Texas prison A "Robin Hood" hacker who penetrated the computer systems of many prominent companies-and then told them how he gained access With riveting "you are there" descriptions of real computer break-ins, indispensable tips on countermeasures security professionals need to implement now, and Mitnick's own acerbic commentary on the crimes he describes, this book is sure to reach a wide audience-and attract the attention of both law enforcement agencies and the media.

Back for the third season, The Hacker Playbook 3 (THP3) takes your offensive game to the pro tier. With a combination of new strategies, attacks, exploits, tips and tricks, you will be able to put yourself in the center of the action toward victory. The main purpose of this book is to answer questions as to why things are still broken. For instance, with all the different security products, secure code reviews, defense in depth, and penetration testing requirements, how are we still seeing massive security breaches happening to major corporations and governments? The real question we need to ask ourselves is, are all the safeguards we are putting in place working? This is what The Hacker Playbook 3 - Red Team Edition is all about. By now, we are all familiar with penetration testing, but what exactly is a Red Team? Red Teams simulate real-world, advanced attacks to test how well your organization's defensive teams respond if you were breached. They find the answers to questions like: Do your incident response teams have the right tools, skill sets, and people to detect and mitigate these attacks? How long would it take them to perform these tasks and is it adequate? This is where you, as a Red Teamer, come in to accurately test and validate the overall security program. THP3 will take your offensive hacking skills, thought processes, and attack paths to the next level. This book focuses on real-world campaigns and attacks, exposing you to different initial entry points, exploitation, custom malware, persistence, and lateral movement--all without getting caught! This heavily lab-based book will include multiple Virtual Machines, testing environments, and custom THP tools. So grab your helmet and let's go break things! For more information, visit <http://thehackerplaybook.com/about/>.

Fully-updated for Python 3, the second edition of this worldwide bestseller (over 100,000 copies sold) explores the stealthier side of programming and brings you all new strategies for your hacking projects. When it comes to creating powerful and effective hacking tools, Python is the language of choice for most security analysts. In Black Hat Python, 2nd Edition, you'll explore the darker side of Python's capabilities—writing network sniffers, stealing email credentials, brute forcing directories, crafting mutation fuzzers, infecting virtual machines, creating stealthy trojans, and more. The second edition of this bestselling hacking book contains code updated for the latest version of Python 3, as well as new techniques that reflect current industry best practices. You'll also find expanded explanations of Python libraries such as ctypes, struct, lxml, and BeautifulSoup, and dig deeper into strategies, from splitting bytes to leveraging computer-vision libraries, that you can apply to future hacking projects. You'll learn how to:

- Create a trojan command-and-control using GitHub
- Detect sandboxing and automate common malware tasks, like keylogging and screenshotting
- Escalate Windows privileges with creative process control
- Use offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machine
- Extend the popular Burp Suite web-hacking tool
- Abuse Windows COM automation to perform a man-in-the-browser attack
- Exfiltrate data from a network most sneakily

When it comes to offensive security, your ability to create powerful tools on the fly is indispensable. Learn how with the second edition of Black Hat Python. New to this edition: All Python code has been updated to cover Python 3 and includes updated libraries used in current Python applications. Additionally, there are more in-depth explanations of the code and the programming techniques have been updated to current, common tactics. Examples of new material that you'll learn include how to sniff network traffic, evade anti-virus software, brute-force web applications, and set up a command-and-control (C2) system using GitHub.

Meet the world's top ethical hackers and explore the tools of the trade Hacking the Hacker takes you inside the world of cybersecurity to show you what goes on behind the scenes, and introduces you to the men and women on the front lines of this technological arms race. Twenty-six of the world's top white hat hackers, security researchers, writers, and leaders, describe what

they do and why, with each profile preceded by a no-experience-necessary explanation of the relevant technology. Dorothy Denning discusses advanced persistent threats, Martin Hellman describes how he helped invent public key encryption, Bill Cheswick talks about firewalls, Dr. Charlie Miller talks about hacking cars, and other cybersecurity experts from around the world detail the threats, their defenses, and the tools and techniques they use to thwart the most advanced criminals history has ever seen. Light on jargon and heavy on intrigue, this book is designed to be an introduction to the field; final chapters include a guide for parents of young hackers, as well as the Code of Ethical Hacking to help you start your own journey to the top. Cybersecurity is becoming increasingly critical at all levels, from retail businesses all the way up to national security. This book drives to the heart of the field, introducing the people and practices that help keep our world secure. Go deep into the world of white hat hacking to grasp just how critical cybersecurity is Read the stories of some of the world's most renowned computer security experts Learn how hackers do what they do—no technical expertise necessary Delve into social engineering, cryptography, penetration testing, network attacks, and more As a field, cybersecurity is large and multi-faceted—yet not historically diverse. With a massive demand for qualified professional that is only going to grow, opportunities are endless. Hacking the Hacker shows you why you should give the field a closer look.

Ninja Hacking offers insight on how to conduct unorthodox attacks on computing networks, using disguise, espionage, stealth, and concealment. This book blends the ancient practices of Japanese ninjas, in particular the historical Ninjutsu techniques, with the present hacking methodologies. It looks at the methods used by malicious attackers in real-world situations and details unorthodox penetration testing techniques by getting inside the mind of a ninja. It also expands upon current penetration testing methodologies including new tactics for hardware and physical attacks. This book is organized into 17 chapters. The first two chapters incorporate the historical ninja into the modern hackers. The white-hat hackers are differentiated from the black-hat hackers. The function gaps between them are identified. The next chapters explore strategies and tactics using knowledge acquired from Sun Tzu's The Art of War applied to a ninja hacking project. The use of disguise, impersonation, and infiltration in hacking is then discussed. Other chapters cover stealth, entering methods, espionage using concealment devices, covert listening devices, intelligence gathering and interrogation, surveillance, and sabotage. The book concludes by presenting ways to hide the attack locations and activities. This book will be of great value not only to penetration testers and security professionals, but also to network and system administrators as well as hackers. Discusses techniques used by malicious attackers in real-world situations Details unorthodox penetration testing techniques by getting inside the mind of a ninja Expands upon current penetration testing methodologies including new tactics for hardware and physical attacks

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.

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

Describes the techniques of computer hacking, covering such topics as stack-based overflows, format string exploits, and shellcode.

Have You Ever Wanted To Be A Hacker? Do You Want To Take Your Hacking Skills To Next Level? Yes you can easily learn how to hack a computer, spoofing techniques, mobile & smartphone hacking, website penetration and tips for ethical hacking! With Hacking: Hacking for Beginners Guide on How to Hack, Computer Hacking, and the Basics of Ethical Hacking, you'll learn everything you need to know to enter the secretive world of computer hacking. It contains proven steps and strategies on how to start your education and practice in the field of hacking and provides demonstrations of hacking techniques and actual code. It not only will teach you some fundamental basic hacking techniques, it will also give you the knowledge of how to protect yourself and your information from the prying eyes of other malicious Internet users. This book dives deep into basic security procedures you should follow to avoid being exploited. You'll learn about identity theft, password security essentials, what to be aware of, and how malicious hackers are profiting from identity and personal data theft. Here Is A Preview Of What You'll Discover... A Brief Overview of Hacking Ethical Hacking Choosing a Programming Language Useful Tools for Hackers The Big Three Protocols Penetration Testing 10 Ways to Protect Your Own System By the time you finish this book, you will have strong knowledge of what a professional ethical hacker goes through. You will also be able to put these practices into action. Unlike other hacking books, the lessons start right from the beginning, covering the basics of hacking and building up from there. If you have been searching for reliable, legal and ethical information on how to become a hacker, then you are at the right place.

Just as a professional athlete doesn't show up without a solid game plan, ethical hackers, IT professionals, and security researchers should not be unprepared, either. The Hacker Playbook provides them their own game plans. Written by a longtime security professional and CEO of Secure Planet, LLC, this step-by-step guide to the "game" of penetration hacking features hands-on examples and helpful advice from the top of the field. Through a series of football-style "plays," this straightforward guide gets to the root of many of the roadblocks people may face while penetration testing—including attacking different types of networks, pivoting through security controls, privilege escalation, and evading antivirus software. From "Pregame" research to "The Drive" and "The Lateral Pass," the practical plays listed can be read in order or referenced as needed. Either way, the valuable advice within will put you in the mindset of a penetration tester of a Fortune 500 company, regardless of your career or level of experience. This second version of The Hacker Playbook takes all the best "plays" from the original book and incorporates the latest attacks, tools, and lessons learned. Double

the content compared to its predecessor, this guide further outlines building a lab, walks through test cases for attacks, and provides more customized code. Whether you're downing energy drinks while desperately looking for an exploit, or preparing for an exciting new job in IT security, this guide is an essential part of any ethical hacker's library—so there's no reason not to get in the game.

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.

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.

When it comes to creating powerful and effective hacking tools, Python is the language of choice for most security analysts. But just how does the magic happen? In Black Hat Python, the latest from Justin Seitz (author of the best-selling Gray Hat Python), you'll explore the darker side of Python's capabilities—writing network sniffers, manipulating packets, infecting virtual machines, creating stealthy trojans, and more. You'll learn how to:

- Create a trojan command-and-control using GitHub
- Detect sandboxing and automate common malware tasks, like keylogging and screenshotting
- Escalate Windows privileges with creative process control
- Use offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machine
- Extend the popular Burp Suite web-hacking tool
- Abuse Windows COM automation to perform a man-in-the-browser attack
- Exfiltrate data from a network most sneakily

Insider techniques and creative challenges throughout show you how to extend the hacks and how to write your own exploits. When it comes to offensive security, your ability to create powerful tools on the fly is indispensable. Learn how in Black Hat Python. Uses Python 2

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

tools.

4 Manuscripts in 1 Book! Have you always been interested and fascinated by the world of hacking? Do you wish to learn more about networking? Do you want to know how to protect your system from being compromised and learn about advanced security protocols? If you want to understand how to hack from basic level to advanced, keep reading... This book set includes: Book 1) Hacking for Beginners: Step by Step Guide to Cracking codes discipline, penetration testing and computer virus. Learning basic security tools on how to ethical hack and grow Book 2) Hacker Basic Security: Learning effective methods of security and how to manage the cyber risks. Awareness program with attack and defense strategy tools. Art of exploitation in hacking. Book 3) Networking Hacking: Complete guide tools for computer wireless network technology, connections and communications system. Practical penetration of a network via services and hardware. Book 4) Kali Linux for Hackers: Computer hacking guide. Learning the secrets of wireless penetration testing, security tools and techniques for hacking with Kali Linux. Network attacks and exploitation. The first book "Hacking for Beginners" will teach you the basics of hacking as well as the different types of hacking and how hackers think. By reading it, you will not only discover why they are attacking your computers, but you will also be able to understand how they can scan your system and gain access to your computer. The second book "Hacker Basic Security" contains various simple and straightforward strategies to protect your devices both at work and at home and to improve your understanding of security online and fundamental concepts of cybersecurity. The third book "Networking Hacking" will teach you the basics of a computer network, countermeasures that you can use to prevent a social engineering and physical attack and how to assess the physical vulnerabilities within your organization. The fourth book "Kali Linux for Hackers" will help you understand the better use of Kali Linux and it will teach you how you can protect yourself from most common hacking attacks. Kali-Linux is popular among security experts, it allows you to examine your own systems for vulnerabilities and to simulate attacks. Below we explain the most exciting parts of the book set. An introduction to hacking. Google hacking and Web hacking Fingerprinting Different types of attackers Defects in software The basics of a computer network How to select the suitable security assessment tools Social engineering. How to crack passwords. Network security Linux tools Exploitation of security holes The fundamentals and importance of cybersecurity Types of cybersecurity with threats and attacks How to prevent data security breaches Computer virus and prevention techniques Cryptography And there's so much more to learn! Follow me, and let's dive into the world of hacking! Don't keep waiting to start your new journey as a hacker; get started now and order your copy today!

Real-world advice on how to be invisible online from "the FBI's most-wanted hacker" (Wired) Your every step online is being tracked and stored, and your identity easily stolen. Big companies and big governments want to know and exploit what you do, and privacy is a luxury few can afford or understand. In this explosive yet practical book, computer-security expert Kevin Mitnick uses true-life stories to show exactly what is happening without your knowledge, and teaches you "the art of invisibility": online and everyday tactics to protect you and your family, using easy step-by-step instructions. Reading this book, you will learn everything from password protection and smart Wi-Fi usage to advanced techniques designed to maximize your anonymity. Invisibility isn't just for superheroes--privacy is a power you deserve and need in the age of Big Brother and Big Data.

Python is fast becoming the programming language of choice for hackers, reverse engineers, and software testers because it's easy to write quickly, and it has the low-level support and libraries that make hackers happy. But until now, there has been no real manual on how to use Python for a variety of hacking tasks. You had to dig through forum posts and man pages, endlessly tweaking your own code to get everything working. Not anymore. Gray Hat Python explains the concepts behind hacking tools and techniques like debuggers, trojans, fuzzers, and emulators. But author Justin Seitz goes beyond theory, showing you how to harness existing Python-based security tools—and how to build your own when the pre-built ones won't cut it. You'll learn how to: –Automate tedious reversing and security tasks –Design and program your own debugger –Learn how to fuzz Windows drivers and create powerful fuzzers from scratch –Have fun with code and library injection, soft and hard hooking techniques, and other software trickery –Sniff secure traffic out of an encrypted web browser session –Use PyDBG, Immunity Debugger, Sulley, IDAPython, PyEMU, and more The world's best hackers are using Python to do their handiwork. Shouldn't you?

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

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

The first comprehensive guide to discovering and preventing attacks on the Android OS As the Android operating system continues to increase its share of the smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed for various system components, preparing you to defend against them. If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox. A crack team of leading Android security researchers explain Android security risks, security design and architecture, rooting, fuzz testing, and vulnerability analysis Covers Android application building blocks and security as well as debugging and auditing Android apps Prepares mobile device administrators, security researchers, Android app developers, and security consultants to defend Android systems against attack Android Hacker's Handbook is the first comprehensive resource for IT professionals charged with smartphone security.

If you thought hacking was just about mischief-makers hunched over computers in the basement, think again. As seasoned author Wallace Wang explains, hacking can also mean questioning the status quo, looking for your own truths and never accepting at face value anything authorities say or do. The completely revised fourth edition of this offbeat, non-technical book examines what hackers do, how they do it, and how you can protect yourself. Written in the same informative, irreverent, and entertaining style that made the first three editions hugely successful, Steal This Computer Book 4.0 will expand your mind and raise your eyebrows. New chapters discuss the hacker mentality, social engineering and lock picking, exploiting P2P file-sharing networks, and how people manipulate search engines and pop-up ads to obtain and use personal information. Wang also takes issue with the media for "hacking" the news and presenting the public with self-serving stories of questionable accuracy. Inside, you'll discover: –How to manage and fight spam and spyware –How Trojan horse programs and rootkits work and how to defend against them –How hackers steal software and defeat copy-protection mechanisms –How to tell if your machine is being attacked and what you can do to protect it –Where the hackers are, how they probe a target and sneak into a computer, and what they do once they get inside –How corporations use hacker techniques to infect your computer and invade your privacy –How you can lock down your computer to protect your data and your personal information using free programs included on the book's CD If you've ever logged onto a website, conducted an online transaction, sent or received email, used a networked computer or even watched the evening news, you may have already been tricked, tracked, hacked, and manipulated. As the saying goes, just because you're paranoid doesn't mean they aren't after you. And, as Wallace Wang reveals, they probably are. The companion CD contains hundreds of megabytes of 100% FREE hacking and security related programs, like keyloggers, spyware stoppers, port blockers, IP scanners, Trojan horse detectors, and much, much more. CD compatible with Windows, Mac, and Linux.

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.

These puzzles and mind-benders serve as a way to train logic and help developers, hackers, and system administrators discover unconventional solutions to common IT problems. Users will learn to find bugs in source code, write exploits, and solve nonstandard coding tasks and hacker puzzles. Cryptographic puzzles, puzzles for Linux and Windows hackers, coding puzzles, and puzzles for web designers are included.

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

bug bounty programs, as well as recommends hacking tools that can make the job a little easier.

The Metasploit Framework makes discovering, exploiting, and sharing vulnerabilities quick and relatively painless. But while Metasploit is used by security professionals everywhere, the tool can be hard to grasp for first-time users.

Metasploit: The Penetration Tester's Guide fills this gap by teaching you how to harness the Framework and interact with the vibrant community of Metasploit contributors. Once you've built your foundation for penetration testing, you'll learn the Framework's conventions, interfaces, and module system as you launch simulated attacks. You'll move on to advanced penetration testing techniques, including network reconnaissance and enumeration, client-side attacks, wireless attacks, and targeted social-engineering attacks. Learn how to: –Find and exploit unmaintained, misconfigured, and unpatched systems –Perform reconnaissance and find valuable information about your target –Bypass anti-virus technologies and circumvent security controls –Integrate Nmap, NeXpose, and Nessus with Metasploit to automate discovery –Use the Meterpreter shell to launch further attacks from inside the network –Harness standalone Metasploit utilities, third-party tools, and plug-ins –Learn how to write your own Meterpreter post exploitation modules and scripts You'll even touch on exploit discovery for zero-day research, write a fuzzer, port existing exploits into the Framework, and learn how to cover your tracks. Whether your goal is to secure your own networks or to put someone else's to the test, Metasploit: The Penetration Tester's Guide will take you there and beyond.

The Red Team Field Manual (RTFM) is a no fluff, but thorough reference guide for serious Red Team members who routinely find themselves on a mission without Google or the time to scan through a man page. The RTFM contains the basic syntax for commonly used Linux and Windows command line tools, but it also encapsulates unique use cases for powerful tools such as Python and Windows PowerShell. The RTFM will repeatedly save you time looking up the hard to remember Windows nuances such as Windows wmic and dsquery command line tools, key registry values, scheduled tasks syntax, startup locations and Windows scripting. More importantly, it should teach you some new red team techniques.

The Basics of Web Hacking introduces you to a tool-driven process to identify the most widespread vulnerabilities in Web applications. No prior experience is needed. Web apps are a "path of least resistance" that can be exploited to cause the most damage to a system, with the lowest hurdles to overcome. This is a perfect storm for beginning hackers. The process set forth in this book introduces not only the theory and practical information related to these vulnerabilities, but also the detailed configuration and usage of widely available tools necessary to exploit these vulnerabilities. The Basics of Web Hacking provides a simple and clean explanation of how to utilize tools such as Burp Suite, sqlmap, and Zed Attack Proxy (ZAP), as well as basic network scanning tools such as nmap, Nikto, Nessus, Metasploit, John the Ripper, web shells, netcat, and more. Dr. Josh Pauli teaches software security at Dakota State University and has presented on this topic to the U.S. Department of Homeland Security, the NSA, BlackHat Briefings, and Defcon. He will lead you through a focused, three-part approach to Web security, including hacking the server, hacking the Web app, and hacking the Web user. With Dr. Pauli's approach, you will fully understand the what/where/why/how of the most widespread Web vulnerabilities and how easily they can be exploited with the correct tools. You will learn how to set up a safe environment to conduct these attacks, including an attacker Virtual Machine (VM) with all necessary tools and several known-vulnerable Web application VMs that are widely available and maintained for this very purpose. Once you complete the entire process, not only will you be prepared to test for the most damaging Web exploits, you will also be prepared to conduct more advanced Web hacks that mandate a strong base of knowledge. Provides a simple and clean approach to Web hacking, including hands-on examples and exercises that are designed to teach you how to hack the server, hack the Web app, and hack the Web user Covers the most significant new tools such as nmap, Nikto, Nessus, Metasploit, John the Ripper, web shells, netcat, and more! Written by an author who works in the field as a penetration tester and who teaches Web security classes at Dakota State University

Hackers exploit browser vulnerabilities to attack deep within networks The Browser Hacker's Handbook gives a practical understanding of hacking the everyday web browser and using it as a beachhead to launch further attacks deep into corporate networks. Written by a team of highly experienced computer security experts, the handbook provides hands-on tutorials exploring a range of current attack methods. The web browser has become the most popular and widely used computer "program" in the world. As the gateway to the Internet, it is part of the storefront to any business that operates online, but it is also one of the most vulnerable entry points of any system. With attacks on the rise, companies are increasingly employing browser-hardening techniques to protect the unique vulnerabilities inherent in all currently used browsers. The Browser Hacker's Handbook thoroughly covers complex security issues and explores relevant topics such as: Bypassing the Same Origin Policy ARP spoofing, social engineering, and phishing to access browsers DNS tunneling, attacking web applications, and proxying—all from the browser Exploiting the browser and its ecosystem (plugins and extensions) Cross-origin attacks, including Inter-protocol Communication and Exploitation The Browser Hacker's Handbook is written with a professional security engagement in mind. Leveraging browsers as pivot points into a target's network should form an integral component into any social engineering or red-team security assessment. This handbook provides a complete methodology to understand and structure your next browser penetration test. 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 of 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?

Hacking- The art Of Exploitation Ehoshean collins

This is a 3 book bundle related to C++ programming, hacking computers & hacking mobile devices, apps, and game consoles! Three manuscripts for the price of one! Whats included in this 3 book bundle manuscript: C++: Learn C++ Like a Boss. A Beginners Guide in Coding Programming And Dominating C++: Novice to Expert Guide To Learn and Master C++ Fast Hacking University: Freshman Edition Essential Beginner's Guide on How to Become an Amateur Hacker Hacking University: Sophomore Edition. Essential Guide to Take Your

Hacking Skills to the Next Level. Hacking Mobile Devices, Tablets, Game Consoles, and Apps In C++ programming, you will learn the basics about: Compilers, syntax, class, objects, and variables Identifiers, trigraphs, data types, lines, and characters Boolean and functions Arrays, loops, and conditions Various types of operators Decision statements, if else statements Constants and literals Quick follow up quizzes and answers Guided examples and much more! In Hacking University Freshman Edition, you will learn: The rich history behind hacking Modern security and its place in the business world Common terminology and technical jargon in security How to program a fork bomb How to crack a Wi-Fi password Methods for protecting and concealing yourself as a hacker How to prevent counter-hacks and deter government surveillance The different types of malware and what they do Various types of hacking attacks and how perform or protect yourself from them And much more! In Hacking University Sophomore Edition you will learn: The history and security flaws of mobile hacking Unlocking your device from your carrier and various methods of securing mobile and tablet devices Modding, Jailbreaking, and Rooting How to unlock android and Iphone devices Modding video game consoles such as Xbox and Playstation What to do with a Bricked device PC Emulators Get your copy today! Scroll up and learn C++, hacking computers, and how to hack mobile devices and game consoles today!

Incorporate offense and defense for a more effective networksecurity strategy Network Attacks and Exploitation provides a clear,comprehensive roadmap for developing a complete offensive anddefensive strategy to engage in or thwart hacking and computerespionage. Written by an expert in both government and corporatевulnerability and security operations, this guide helps youunderstand the principles of the space and look beyond theindividual technologies of the moment to develop durablecomprehensive solutions. Numerous real-world examples illustratethe offensive and defensive concepts at work, including Conficker,Stuxnet, the Target compromise, and more. You will find clearguidance toward strategy, tools, and implementation, with practicaladvice on blocking systematic computer espionage and the theft ofinformation from governments, companies, and individuals. Assaults and manipulation of computer networks are rampantaround the world. One of the biggest challenges is fitting theever-increasing amount of information into a whole plan orframework to develop the right strategies to thwart these attacks.This book clears the confusion by outlining the approaches thatwork, the tools that work, and resources needed to apply them. Understand the fundamental concepts of computer networkexploitation Learn the nature and tools of systematic attacks Examine offensive strategy and how attackers will seek tomaintain their advantage Understand defensive strategy, and how current approaches failto change the strategic balance Governments, criminals, companies, and individuals are alloperating in a world without boundaries, where the laws, customs,and norms previously established over centuries are only beginningto take shape. Meanwhile computer espionage continues to grow inboth frequency and impact. This book will help you mount a robustoffense or a strategically sound defense against attacks andexploitation. For a clear roadmap to better network security,Network Attacks and Exploitation is your complete andpractical guide.

Spanning a century, Pushing Cool reveals how the twin deceptions of health and Black affinity for menthol were crafted—and how the industry’s disturbingly powerful narrative has endured to this day. Police put Eric Garner in a fatal chokehold for selling cigarettes on a New York City street corner. George Floyd was killed by police outside a store in Minneapolis known as “the best place to buy menthols.” Black smokers overwhelmingly prefer menthol brands such as Kool, Salem, and Newport. All of this is no coincidence. The disproportionate Black deaths and cries of “I can’t breathe” that ring out in our era—because of police violence, COVID-19, or menthol smoking—are intimately connected to a post-1960s history of race and exploitation. In Pushing Cool, Keith Wailoo tells the intricate and poignant story of menthol cigarettes for the first time. He pulls back the curtain to reveal the hidden persuaders who shaped menthol buying habits and racial markets across America: the world of tobacco marketers, consultants, psychologists, and social scientists, as well as Black lawmakers and civic groups including the NAACP. Today most Black smokers buy menthols, and calls to prohibit their circulation hinge on a history of the industry’s targeted racial marketing. In 2009, when Congress banned flavored cigarettes as criminal enticements to encourage youth smoking, menthol cigarettes were also slated to be banned. Through a detailed study of internal tobacco industry documents, Wailoo exposes why they weren’t and how they remain so popular with Black smokers.

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