

Hacklog Volume 1 Anonimato Manuale Sulla Sicurezza Informatica E Hacking Etico

Learn how to build an end-to-end Web application security testing framework KEY FEATURES ? Exciting coverage on vulnerabilities and security loopholes in modern web applications. ? Practical exercises and case scenarios on performing pentesting and identifying security breaches. ? Cutting-edge offerings on implementation of tools including nmap, burp suite and wireshark. DESCRIPTION Hands-on Penetration Testing for Web Applications offers readers with knowledge and skillset to identify, exploit and control the security vulnerabilities present in commercial web applications including online banking, mobile payments and e-commerce applications. We begin with exposure to modern application vulnerabilities present in web applications. You will learn and gradually practice the core concepts of penetration testing and OWASP Top Ten vulnerabilities including injection, broken authentication and access control, security misconfigurations and cross-site scripting (XSS). You will then gain advanced skillset by exploring the methodology of security testing and how to work around security testing as a true security professional. This book also brings cutting-edge coverage on exploiting and detecting vulnerabilities such as authentication flaws, session flaws, access control flaws, input validation flaws etc. You will discover an end-to-end implementation of tools such as nmap, burp suite, and wireshark. You will then learn to practice how to execute web application intrusion testing in automated testing tools and also to analyze vulnerabilities and threats present in the source codes. By the end of this book, you will gain in-depth knowledge of web application testing framework and strong proficiency in exploring and building high secured web applications. WHAT YOU WILL LEARN ? Complete overview of concepts of web penetration testing. ? Learn to secure against OWASP TOP 10 web vulnerabilities. ? Practice different techniques and signatures for identifying vulnerabilities in the source code of the web application. ? Discover security flaws in your web application using most popular tools like nmap and wireshark. ? Learn to respond modern automated cyber attacks with the help of expert-led tips and tricks. ? Exposure to analysis of vulnerability codes, security automation tools and common security flaws. WHO THIS BOOK IS FOR This book is for Penetration Testers, ethical hackers, and web application developers. People who are new to security testing will also find this book useful. Basic knowledge of HTML, JavaScript would be an added advantage. TABLE OF CONTENTS 1. Why Application Security? 2. Modern application Vulnerabilities 3. Web Pentesting Methodology 4. Testing Authentication 5. Testing Session Management 6. Testing Secure Channels 7. Testing Secure Access Control 8. Sensitive Data and Information disclosure 9. Testing Secure Data validation 10. Attacking Application Users: Other Techniques 11. Attacking Application Users: Other Techniques 12. Automating Custom Attacks 13. Pentesting Tools 14. Static Code Analysis 15. Mitigations and Core Defense Mechanisms

Hacklog, Volume 1: Anonimato è il primo dei nostri corsi pensati per l'apprendimento della Sicurezza Informatica ed Ethical Hacking. È stato ideato per far in modo che tutti, sia i professionisti che i principianti, riescano ad apprendere i meccanismi e i metodi che stanno alla base dell'Anonimato. Abbiamo scelto di iniziare con l'Anonimato appunto perché è un tema molto attuale ed applicabile da chiunque, che non richiede particolari abilità e che si può applicare in ogni realtà, sia privata che aziendale. Attenzione: il corso Hacklog, Volume 1: Anonimato prevede l'uso del Sistema Operativo Debian GNU/Linux. Se non hai mai utilizzato questo Sistema Operativo, ti consigliamo caldamente di seguire il breve corso introduttivo che lo riguarda. Gratuito, ovviamente. Nel corso imparerai a utilizzare metodi di anonimato semplici e complessi, a cifrare le tue informazioni in rete e i tuoi dati nel computer, a navigare nel Deep Web in maniera sicura e a riconoscere i rischi che si corrono navigando in Internet. Conoscerai metodi reali, applicati sia dai professionisti che dai malavitosi, per nascondere le tracce in rete; lo scopo finale di questo corso è quello di fare chiarezza sugli strumenti a disposizione di tutti, liberamente in rete. Con il percorso che ti consigliamo, sarai in grado anche di comandare un intero Sistema Operativo a base GNU/Linux tramite una distribuzione Debian, attualmente la più popolare nei computer ad uso casalingo e server. Ciò aiuterà a formarti in vista dei prossimi volumi e anche nella vita professionale di un esperto del settore Informatico.

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.

Basic Security Testing with Kali Linux, Third Edition Kali Linux (2018) is an Ethical Hacking platform that allows security professionals to use the same tools and techniques that a hacker would use, so they can find security issues before the attackers do. In Basic Security Testing with Kali Linux, you will learn basic examples of how hackers find out information about your company, find weaknesses in your security, how they gain access to your systems, and most importantly, how to stop them. Completely updated for 2018, this hands on step-by-step guide covers: Kali Linux Overview & Usage Shodan (the "Hacker's Google") Metasploit Tutorials Exploiting Windows and Linux Systems Escalating Privileges in Windows Cracking Passwords and Obtaining Clear Text Passwords Wi-Fi Attacks Kali on a Raspberry Pi & Android Securing your Network And Much More! /ul> Though no computer can be completely "Hacker Proof" knowing how an attacker works will help put you on the right track of better securing your network!

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.

“One of the finest books on information security published so far in this century—easily accessible, tightly argued, superbly well-sourced, intimidatingly perceptive.” —Thomas Rid, author of Active Measures
“The best examination I have read of how increasingly dramatic developments in cyberspace are defining the ‘new normal’ of geopolitics in the digital age. Buchanan...captures the dynamics of all of this truly brilliantly.” —General David Petraeus, former Director of the CIA and Commander of Coalition Forces in Iraq and Afghanistan
Few national-security threats are as potent—or as nebulous—as cyber attacks. Ben Buchanan reveals how hackers are transforming spycraft and statecraft, catching us all in the crossfire, whether we know it or not. Ever since WarGames, we have been bracing for the cyberwar to come, conjuring images of exploding power plants and mass panic. But while cyber attacks are now disturbingly common, they don't look anything like we thought they would. Packed with insider information based on interviews, declassified files, and forensic analysis of company reports, *The Hacker and the State* sets aside fantasies of cyber-annihilation to explore the real geopolitical competition of the digital age. Tracing the conflict of wills and interests among modern nations, Ben Buchanan reveals little-known details of how China, Russia, North Korea, Britain, and the United States hack one another in a relentless struggle for dominance. His analysis moves deftly from underseas cable taps to underground nuclear sabotage, from blackouts and data breaches to billion-dollar heists and election interference. Buchanan brings to life this continuous cycle of espionage and deception, attack and counterattack, destabilization and retaliation. He explains why cyber attacks are far less destructive than we anticipated, far more pervasive, and much harder to prevent. With little fanfare and far less scrutiny, they impact our banks, our tech and health systems, our democracy, and every aspect of our lives. Quietly, insidiously, they have reshaped our national-security priorities and transformed spycraft and statecraft. The contest for geopolitical advantage has moved into cyberspace. The United States and its allies can no longer dominate the way they once did. The nation that hacks best will triumph.

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

In the last decade, the proliferation of billions of new Internet-enabled devices and users has significantly expanded concerns about cybersecurity. But should we believe the prophets of cyber war or worry about online government surveillance? Are such security concerns real, exaggerated or just poorly understood? In this comprehensive text, Damien Van Puyvelde and Aaron F. Brantly provide a cutting-edge introduction to the key concepts, controversies and policy debates in cybersecurity. Exploring the interactions of individuals, groups and states in cyberspace, and the integrated security risks to which these give rise, they examine cyberspace as a complex socio-technical-economic domain that fosters both great potential and peril. Structured around ten chapters, the book explores the complexities and challenges of cybersecurity using case studies – from the Morris Worm and Titan Rain to BlackEnergy and the Cyber Caliphate – to highlight the evolution of attacks that can exploit and damage individual systems and critical infrastructures. With questions for group discussion and suggestions for further reading throughout, *Cybersecurity* will be essential reading for anyone interested in understanding the challenges and opportunities presented by the continued expansion of cyberspace.

Build machine and deep learning systems with the newly released TensorFlow 2 and Keras for the lab, production, and mobile devices
Key Features
Introduces and then uses TensorFlow 2 and Keras right from the start
Teaches key machine and deep learning techniques
Understand the fundamentals of deep learning and machine learning through clear explanations and extensive code samples
Book Description
Deep Learning with TensorFlow 2 and Keras, Second Edition teaches neural networks and deep learning techniques alongside TensorFlow (TF) and Keras. You'll learn how to write deep learning applications in the most powerful, popular, and scalable machine learning stack available. TensorFlow is the machine learning library of choice for professional applications, while Keras offers a simple and powerful Python API for accessing TensorFlow. TensorFlow 2 provides full Keras integration, making advanced machine learning easier and more convenient than ever before. This book also introduces neural networks with TensorFlow, runs through the main applications (regression, ConvNets (CNNs), GANs, RNNs, NLP), covers two working example apps, and then dives into TF in production, TF mobile, and using TensorFlow with AutoML. What you will learn
Build machine learning and deep learning systems with TensorFlow 2 and the Keras API
Use Regression analysis, the most popular approach to machine learning
Understand ConvNets (convolutional neural networks) and how they are essential for deep learning systems such as image classifiers
Use GANs (generative adversarial networks) to create new data that fits with existing patterns
Discover RNNs (recurrent neural networks) that can process sequences of input intelligently, using one part of a sequence to correctly interpret another
Apply deep learning to natural human language and interpret natural language texts to produce an appropriate response
Train your models on the cloud and put TF to work in real environments
Explore how Google tools can automate simple ML workflows without the need for complex modeling
Who this book is for
This book is for Python developers and data scientists who want to build machine learning and deep learning systems with TensorFlow. Whether or not you have done machine learning before, this book gives you the theory and practice required to use Keras, TensorFlow 2, and AutoML to build machine learning systems.

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?

Hacklog, Volume 2: Web Hacking è il secondo volume pensato per l'apprendimento della Sicurezza Informatica ed Ethical Hacking. È stato ideato per far in modo che tutti, sia i professionisti che i principianti, riescano ad apprendere i meccanismi e i metodi che stanno alla base degli attacchi ad Infrastrutture e Applicazioni nel World Wide Web. *Hacklog, Volume 2: Web Hacking* è un volume stand-alone: non è necessario aver letto il Volume 1, sebbene possa essere molto d'aiuto nelle fasi ritenute ormai consolidate (come l'uso di strumenti di anonimizzazione che precedono un attacco informatico). Non richiede

particolari abilità o conoscenze e può essere letto da tutti, sia dall'appassionato che dall'esperto. In questo corso imparerai ad analizzare un'infrastruttura Web, a conoscerne le debolezze che si celano dietro errate configurazioni e a trovare e sfruttare vulnerabilità presenti nelle Web App di ogni giorno, esponendosi giornalmente al cyber-crimine della rete. Sarai in grado di creare un ambiente di test personalizzato in cui effettuare attacchi in tutta sicurezza e studiarne le caratteristiche, scrivere brevi exploit e infettare macchine; quindi, ti verrà insegnato come difenderti da questi attacchi, mitigando le vulnerabilità più comuni, e sanificare l'ambiente infetto. Hacklog, Volume 2: Web Hacking è un progetto rilasciato in Creative Commons 4.0 Italia, volto all'apprendimento e alla comunicazione libera per tutti. La versione cartacea è disponibile con fini promozionali e non ha nulla di diverso da quella presente in formato digitale, distribuita gratuitamente in rete. -- IMPORTANTE -- Leggi prima di acquistare: questo libro è disponibile gratuitamente in rete. La versione qui presente fa riferimento solo alla versione Kindle (obbligatoriamente imposto da Amazon a pagamento) e alla versione cartacea. Se vuoi puoi scaricare gratuitamente questo ebook direttamente sul nostro sito ufficiale. Acquistandolo, finanzierai il progetto e con esso i prossimi volumi. Attenzione: il corso Hacklog, Volume 2: Web Hacking prevede l'uso del Sistema Operativo Debian GNU/Linux. Se non hai mai utilizzato questo Sistema Operativo, ti consigliamo caldamente di seguire il breve corso introduttivo che lo riguarda scaricabile sul sito ufficiale www.hacklog.net. Gratuito, ovviamente.

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.

Your ultimate guide to pentesting with Kali Linux Kali is a popular and powerful Linux distribution used by cybersecurity professionals around the world. Penetration testers must master Kali's varied library of tools to be effective at their work. The Kali Linux Penetration Testing Bible is the hands-on and methodology guide for pentesting with Kali. You'll discover everything you need to know about the tools and techniques hackers use to gain access to systems like yours so you can erect reliable defenses for your virtual assets. Whether you're new to the field or an established pentester, you'll find what you need in this comprehensive guide. Build a modern dockerized environment Discover the fundamentals of the bash language in Linux Use a variety of effective techniques to find vulnerabilities (OSINT, Network Scan, and more) Analyze your findings and identify false positives and uncover advanced subjects, like buffer overflow, lateral movement, and privilege escalation Apply practical and efficient pentesting workflows Learn about Modern Web Application Security Secure SDLC Automate your penetration testing with Python

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!

Have you ever wished to become a hacker? If the answer is yes, this book is for you! Started as a crowdfunding project, Hacklog Volume 1: Anonymity is the first of a book collection dedicated to who wants to enter the world of Hacking and IT Security. You'll learn how to use the tools real-life hackers leverage everyday to avoid controls, how to conceal your most hidden files (and also how to recover them!) and you'll get a deeper insight over the broad world of anonymity. Hacklog Volume 1: Anonymity was designed for who is not too familiar with IT Security, but is willing to learn! Furthermore, it's a good review opportunity for those who already know this fascinating world as well as industry experts: High Schools, Universities, Industry Professionals and other Bodies use Hacklog to get information and stay up-to-date about the techniques used by cyber criminals to avoid controls and stay completely anonymous in the broad world of the Web. Here are some of the themes covered by the first volume: * You'll learn how to use the Operating Systems used by hackers and industry experts, including Ubuntu, Kali Linux, Parrot Security OS and many others, based both on GNU/Linux and Windows and macOS. * You'll be able to identify the traces left on a computer during an attack or an IT inspection, like MAC Address, Hostnames usage, DNSs and the via-Proxy anonymizing IP * You'll be able to make secure communications through the VPNs, discovering the best service providers and the regulations about governmental takedowns * You'll learn the vast world of the Deep Web and the Dark Net, the TOR, I2P and Freenet anonymizing circuits, as well as the Combo Networks to stay safe through pyramidal communication tunnels * You'll be able to identify the local resources that can harm you, like Cookies, JavaScript, Flash, Java, ActiveX, WebRTC and you will learn how to fingerprint your browser * You'll learn how to protect your data, verifying it with checksums and encrypting it using techniques like PGP and GPG; furthermore, you will get information about how to encrypt a disk, steganography and how to backup your crucial data * You'll be able to recover data even after a disk wipe, and destroy it irreversibly, using the same techniques used by the law enforcement bodies around the world * You'll learn how to identify the vulnerabilities that expose your identity to the Web, and the best practice to prevent it * You'll learn how

to anonymously purchase from the Web, using the Dark Net circuits and crypto-currencies like the BitcoinHacklog, Volume 1: Anonymity is an open project, partially released under Italian Creative Commons 4.0 - Italy. You can find all licensing information at our official website: www.hacklog.ne

Whether you're a veteran or an absolute n00b, this is the best place to start with Kali Linux, the security professional's platform of choice, and a truly industrial-grade, and world-class operating system distribution-mature, secure, and enterprise-ready.

In this book, the following subjects are included: information security, the risk assessment and treatment processes (with practical examples), the information security controls. The text is based on the ISO/IEC 27001 standard and on the discussions held during the editing meetings, attended by the author. Appendixes include short presentations and check lists. CESARE GALLOTTI has been working since 1999 in the information security and IT process management fields and has been leading many projects for companies of various sizes and market sectors. He has been leading projects as consultant or auditor for the compliance with standards and regulations and has been designing and delivering ISO/IEC 27001, privacy and ITIL training courses. Some of his certifications are: Lead Auditor ISO/IEC 27001, Lead Auditor 9001, CISA, ITIL Expert and CBCI, CIPP/e. Since 2010, he has been Italian delegate for the the editing group for the ISO/IEC 27000 standard family. Web: www.cesaregallotti.it. This book is the culmination of years of experience in the information technology and cybersecurity field. Components of this book have existed as rough notes, ideas, informal and formal processes developed and adopted by the authors as they led and executed red team engagements over many years. The concepts described in this book have been used to successfully plan, deliver, and perform professional red team engagements of all sizes and complexities. Some of these concepts were loosely documented and integrated into red team management processes, and much was kept as tribal knowledge. One of the first formal attempts to capture this information was the SANS SEC564 Red Team Operation and Threat Emulation course. This first effort was an attempt to document these ideas in a format usable by others. The authors have moved beyond SANS training and use this book to detail red team operations in a practical guide. The authors' goal is to provide practical guidance to aid in the management and execution of professional red teams. The term 'Red Team' is often confused in the cybersecurity space. The terms roots are based on military concepts that have slowly made their way into the commercial space. Numerous interpretations directly affect the scope and quality of today's security engagements. This confusion has created unnecessary difficulty as organizations attempt to measure threats from the results of quality security assessments. You quickly understand the complexity of red teaming by performing a quick google search for the definition, or better yet, search through the numerous interpretations and opinions posted by security professionals on Twitter. This book was written to provide a practical solution to address this confusion. The Red Team concept requires a unique approach different from other security tests. It relies heavily on well-defined TTPs critical to the successful simulation of realistic threat and adversary techniques. Proper Red Team results are much more than just a list of flaws identified during other security tests. They provide a deeper understanding of how an organization would perform against an actual threat and determine where a security operation's strengths and weaknesses exist. Whether you support a defensive or offensive role in security, understanding how Red Teams can be used to improve defenses is extremely valuable. Organizations spend a great deal of time and money on the security of their systems. It is critical to have professionals who understand the threat and can effectively and efficiently operate their tools and techniques safely and professionally. This book will provide you with the real-world guidance needed to manage and operate a professional Red Team, conduct quality engagements, understand the role a Red Team plays in security operations. You will explore Red Team concepts in-depth, gain an understanding of the fundamentals of threat emulation, and understand tools needed you reinforce your organization's security posture.

This second Preview Edition ebook, now with 16 chapters, is about writing applications for Xamarin.Forms, the new mobile development platform for iOS, Android, and Windows phones unveiled by Xamarin in May 2014. Xamarin.Forms lets you write shared user-interface code in C# and XAML that maps to native controls on these three platforms. 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 Operator Handbook takes three disciplines (Red Team, OSINT, Blue Team) and combines them into one complete reference guide. The book contains 123 individual cheat sheet references for many of the most frequently used tools and techniques by practitioners. Over 400 pages of content to assist the most seasoned cybersecurity veteran or someone just getting started in the career field. The goal of combining all disciplines into one book was to remove the artificial barriers that only certain knowledge exists within a "Team". The reality is today's complex digital landscape demands some level of knowledge in all areas. The "Operator" culture should mean a well-rounded team member no matter the "Team" you represent. All cybersecurity practitioners are Operators. The Blue Team should observe and understand Red Team tactics, Red Team should continually push collaboration with the Blue Team, and OSINT should continually work to peel back evidence of evil doers scattered across disparate data sources. In the spirit of having no separation, each reference is listed in alphabetical order. Not only does this remove those team separated notions, but it also aids in faster lookup. We've all had the same experience where we knew there was an "NMAP Cheat Sheet" but did it fall under Networking, Windows, or Tools? In the Operator Handbook it begins with "N" so flip to the N's section. Also almost every topic is covered in "How to exploit X" and "How to defend X" perspectives. Tools and topics covered: Cloud (AWS, Azure, GCP), Windows, macOS, Linux, Android, iOS, DevOps (Docker, Kubernetes), OSINT, Ports, Forensics, Malware Resources, Defender tools, Attacker tools, OSINT tools, and various other supporting

tools (Vim, iptables, nftables, etc...). This handbook was truly meant to be a single source for the most common tool and techniques an Operator can encounter while on the job. Search Copy Paste L33t.

Requiring no prior hacking experience, Ethical Hacking and Penetration Testing Guide supplies a complete introduction to the steps required to complete a penetration test, or ethical hack, from beginning to end. You will learn how to properly utilize and interpret the results of modern-day hacking tools, which are required to complete a penetration test. The book covers a wide range of tools, including Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender rootkit. Supplying a simple and clean explanation of how to effectively utilize these tools, it details a four-step methodology for conducting an effective penetration test or hack. Providing an accessible introduction to penetration testing and hacking, the book supplies you with a fundamental understanding of offensive security. After completing the book you will be prepared to take on in-depth and advanced topics in hacking and penetration testing. The book walks you through each of the steps and tools in a structured, orderly manner allowing you to understand how the output from each tool can be fully utilized in the subsequent phases of the penetration test. This process will allow you to clearly see how the various tools and phases relate to each other. An ideal resource for those who want to learn about ethical hacking but dont know where to start, this book will help take your hacking skills to the next level. The topics described in this book comply with international standards and with what is being taught in international certifications. Learn how to write high-quality kernel module code, solve common Linux kernel programming issues, and understand the fundamentals of Linux kernel internals Key Features Discover how to write kernel code using the Loadable Kernel Module framework Explore industry-grade techniques to perform efficient memory allocation and data synchronization within the kernel Understand the essentials of key internals topics such as kernel architecture, memory management, CPU scheduling, and kernel synchronization Book Description Linux Kernel Programming is a comprehensive introduction for those new to Linux kernel and module development. This easy-to-follow guide will have you up and running with writing kernel code in next-to-no time. This book uses the latest 5.4 Long-Term Support (LTS) Linux kernel, which will be maintained from November 2019 through to December 2025. By working with the 5.4 LTS kernel throughout the book, you can be confident that your knowledge will continue to be valid for years to come. This Linux book begins by showing you how to build the kernel from the source. Next, you'll learn how to write your first kernel module using the powerful Loadable Kernel Module (LKM) framework. The book then covers key kernel internals topics including Linux kernel architecture, memory management, and CPU scheduling. Next, you'll delve into the fairly complex topic of concurrency within the kernel, understand the issues it can cause, and learn how they can be addressed with various locking technologies (mutexes, spinlocks, atomic, and refcount operators). You'll also benefit from more advanced material on cache effects, a primer on lock-free techniques within the kernel, deadlock avoidance (with lockdep), and kernel lock debugging techniques. By the end of this kernel book, you'll have a detailed understanding of the fundamentals of writing Linux kernel module code for real-world projects and products. What you will learn Write high-quality modular kernel code (LKM framework) for 5.x kernels Configure and build a kernel from source Explore the Linux kernel architecture Get to grips with key internals regarding memory management within the kernel Understand and work with various dynamic kernel memory alloc/dealloc APIs Discover key internals aspects regarding CPU scheduling within the kernel Gain an understanding of kernel concurrency issues Find out how to work with key kernel synchronization primitives Who this book is for This book is for Linux programmers beginning to find their way with Linux kernel development. Linux kernel and driver developers looking to overcome frequent and common kernel development issues, as well as understand kernel internals, will benefit from this book. A basic understanding of Linux CLI and C programming is required.

This 25th anniversary edition of Steven Levy's classic book traces the exploits of the computer revolution's original hackers -- those brilliant and eccentric nerds from the late 1950s through the early '80s who took risks, bent the rules, and pushed the world in a radical new direction. With updated material from noteworthy hackers such as Bill Gates, Mark Zuckerberg, Richard Stallman, and Steve Wozniak, Hackers is a fascinating story that begins in early computer research labs and leads to the first home computers. Levy profiles the imaginative brainiacs who found clever and unorthodox solutions to computer engineering problems. They had a shared sense of values, known as "the hacker ethic," that still thrives today. Hackers captures a seminal period in recent history when underground activities blazed a trail for today's digital world, from MIT students finagling access to clunky computer-card machines to the DIY culture that spawned the Altair and the Apple II.

This Book Bundle Includes 7 Books: Book 1 - 25 Most Common Security Threats & How To Avoid Them Book 2 - 21 Steps For Implementing The Nist Cybersecurity Framework Book 3 - Cryptography Fundamentals & Network Security Book 4 - How to Get Into Cybersecurity Without Technical Background Book 5 - Wireless Technology Fundamentals Book 6 - Learn Fast How To Hack Any Wireless Networks Book 7 - Learn Fast How To Hack Like A Pro Both Wired and Wireless Pen Testing has become a key skill amongst professional hackers using Kali Linux. If you want to become a Cybersecurity Professional, Ethical Hacker, or a Penetration Tester, BUY THIS BOOK NOW AND GET STARTED TODAY! Book 1 will cover: -Software Bugs and Buffer Overflow, Weak Passwords, Path Traversal, SQL Injection-Cross Site Scripting, Cross-site forgery request, Viruses & Malware-ARP Poisoning, Rogue Access Points, Man in the Middle on Wireless Networks-De-Authentication Attack, Wireless Collision Attack, Wireless Replay Attacks and more... Book 2 will cover: -Basic Cybersecurity concepts, How to write a security policy, IT staff and end-user education-Patch Management Deployment, HTTP, HTTPS, SSL & TLS, Scanning with NMAP-Access Control Deployments, Data in Transit Security, IDS & IPS Systems & Proxy Servers-Data Loss Prevention & RAID, Incremental VS Differential Backup, and more... Book 3 will cover: -Cryptography Basics, Hashing & MD5 Checksum, Hash Algorithms and Encryption Basics-Cipher Text, Encryption Keys, and

Digital Signatures, Stateless Firewalls and Stateful Firewalls-AAA, ACS, ISE and 802.1X Authentication, Syslog, Reporting, Netflow & SNMP-BYOD Security, Email Security and Blacklisting, Data Loss Prevention and more...Book 4 will cover: -You will learn the pros and cons of Cybersecurity Jobs, so you can have a better understanding of this industry. -You will learn what salary you can expect in the field of Cybersecurity. -You will learn how you can get working experience and references while you can also get paid. -You will learn how to create a Professional LinkedIn Profile step by step that will help you get noticed, and begin socializing with other Cybersecurity Professionals and more...Book 5 will cover: -Electromagnetic Spectrum, RF Basics, Antenna Types-Influencing RF Signals, Path Loss aka Attenuation, Signal to Interference Ratio-Beacons, Active & Passive Scanning, Frame Types-802.11 a/b/g/n/ac /ax/ WiFi 6 / 5G networks and more.Book 6 will cover: -PenTest Tools / Wireless Adapters & Wireless Cards for Penetration Testing-How to implement MITM Attack with Ettercap, How to deploy Rogue Access Point using MITM Attack-How to deploy Evil Twin Deauthentication Attack with mdk3, How to deploy DoS Attack with MKD3-4-Way Handshake & Fast Roaming Process, Data Protection and Data Tampering and more...Book 7 will cover: -Pen Testing @ Stage 1, Stage 2 and Stage 3, What Penetration Testing Standards exist-Burp Suite Proxy setup and Spidering hosts, How to deploy SQL Injection-How to implement Dictionary Attack with Airodump-ng, How to deploy ARP Poisoning with EtterCAP-How to implement MITM Attack with Ettercap & SSLstrip, How to Manipulate Packets with Scapy-How to deploy Deauthentication Attack, How to capture IPv6 Packets with Parasite6 and more.BUY THIS BOOK NOW AND GET STARTED TODAY!

Hai mai aspirato a diventare un hacker? Se la risposta è sì questo è il libro che fa per te! Nato come progetto crowdfunding, Hacklog Volume 1: Anonimato è il primo di una collezione di libri pensati per chi vuole cimentarsi nell'Hacking e nella Sicurezza Informatica. Imparerai ad usare gli strumenti che i veri hacker usano quotidianamente per sfuggire dai controlli, a nascondere i tuoi files più nascosti (e anche a recuperarli!) e a conoscere più da vicino il vasto mondo dell'anonimato. Hacklog Volume 1: Anonimato è il libro pensato per chi ha poche competenze nella Sicurezza Informatica ma tanta voglia di imparare! È inoltre un ottimo ripasso per chi già conosce questo affascinante mondo e anche per chi è esperto nel settore: Scuole Superiori, Università, Esperti del Settore ed Enti utilizzano l'Hacklog per informarsi e aggiornarsi sulle tecniche utilizzate dai cybercriminali per sfuggire dai controlli e rendersi completamente anonimi nel vasto mondo della rete. Ecco alcuni temi trattati dal primo volume: * Imparerai ad utilizzare i Sistemi Operativi che gli hacker e gli esperti del settore usano, come Ubuntu, Kali Linux, Parrot Security OS e molti altri basati su GNU/Linux, ma anche Windows e macOS * Saprai riconoscere quali tracce informatiche vengono lasciate durante un attacco o un'ispezione informatica, come il MAC Address, l'uso degli Hostname, i DNS e gli Indirizzi IP anonimizzanti attraverso i Proxy * Sarai in grado di effettuare comunicazioni sicure mediante VPN, i migliori fornitori di servizi e le regolamentazioni in merito ai takedown governativi * Conoscerai il vasto mondo del Deep Web e della Dark Net, i circuiti anonimizzati di TOR, I2P e Freenet, oltre che le Combo Network per metterti in sicuro attraverso tunnel di comunicazione piramidali * Saprai individuare le risorse locali che possono metterti in pericolo, come i Cookies, Javascript, Flash, Java, ActiveX, WebRTC e saprai effettuare il fingerprinting del tuo browser * Imparerai a mettere al sicuro i tuoi dati, verificandoli attraverso i checksum e cifrandoli attraverso tecniche di crittografia come PGP e GPG; inoltre, ti verranno date informazioni su come cifrare un disco, stenografia e backup dei tuoi dati più importanti * Sarai in grado di recuperare dati, anche dopo che sono stati cancellati dai dischi, e di distruggerli in maniera definitiva, attraverso tecniche utilizzate dalla polizia di tutto il mondo * Imparerai a riconoscere le vulnerabilità che espongono la tua identità sulla rete, quindi le best practices per evitare che questo accada* Acquistare in anonimato nella rete, attraverso i circuiti della Dark Net e l'uso delle cryptovalute come i BitcoinHacklog, Volume 1: Anonimato è un progetto open parzialmente rilasciato su licenza Creative Commons 4.0 Italia. Trovi tutte le informazioni di licenza sul sito ufficiale www.hacklog.net

As protecting information becomes a rapidly growing concern for today's businesses, certifications in IT security have become highly desirable, even as the number of certifications has grown. Now you can set yourself apart with the Certified Ethical Hacker (CEH v10) certification. The CEH v10 Certified Ethical Hacker Study Guide offers a comprehensive overview of the CEH certification requirements using concise and easy-to-follow instruction. Chapters are organized by exam objective, with a handy section that maps each objective to its corresponding chapter, so you can keep track of your progress. The text provides thorough coverage of all topics, along with challenging chapter review questions and Exam Essentials, a key feature that identifies critical study areas. Subjects include intrusion detection, DDoS attacks, buffer overflows, virus creation, and more. This study guide goes beyond test prep, providing practical hands-on exercises to reinforce vital skills and real-world scenarios that put what you've learned into the context of actual job roles. Gain a unique certification that allows you to understand the mind of a hacker Expand your career opportunities with an IT certificate that satisfies the Department of Defense's 8570 Directive for Information Assurance positions Fully updated for the 2018 CEH v10 exam, including the latest developments in IT security Access the Sybex online learning center, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms Thanks to its clear organization, all-inclusive coverage, and practical instruction, the CEH v10 Certified Ethical Hacker Study Guide is an excellent resource for anyone who needs to understand the hacking process or anyone who wants to demonstrate their skills as a Certified Ethical Hacker.

The current trend of various hacking and security breaches displays how important it has become to pentest your environment, to ensure end point protection. This book will take you through the latest version of Kali Linux to efficiently deal with various crucial security aspects such as confidentiality, integrity, access control and authentication.

Like the best-selling Black Hat Python, Black Hat Go explores the darker side of the popular Go programming language. This collection of short scripts will help you test your systems, build and automate tools to fit your needs, and improve your offensive security skillset. Black Hat Go explores the darker side of Go, the popular programming language revered by hackers for its

simplicity, efficiency, and reliability. It provides an arsenal of practical tactics from the perspective of security practitioners and hackers to help you test your systems, build and automate tools to fit your needs, and improve your offensive security skillset, all using the power of Go. You'll begin your journey with a basic overview of Go's syntax and philosophy and then start to explore examples that you can leverage for tool development, including common network protocols like HTTP, DNS, and SMB. You'll then dig into various tactics and problems that penetration testers encounter, addressing things like data pilfering, packet sniffing, and exploit development. You'll create dynamic, pluggable tools before diving into cryptography, attacking Microsoft Windows, and implementing steganography. You'll learn how to:

- Make performant tools that can be used for your own security projects
- Create usable tools that interact with remote APIs
- Scrape arbitrary HTML data
- Use Go's standard package, net/http, for building HTTP servers
- Write your own DNS server and proxy
- Use DNS tunneling to establish a C2 channel out of a restrictive network
- Create a vulnerability fuzzer to discover an application's security weaknesses
- Use plug-ins and extensions to future-proof products

Build an RC2 symmetric-key brute-force

- Implant data within a Portable Network Graphics (PNG) image. Are you ready to add to your arsenal of security tools? Then let's Go!

Hacklog, Volume 1: Anonimato ora è in edizione BW (Bianco e Nero)! Ad un prezzo molto più conveniente puoi avere la copia cartacea senza risparmiare sulla qualità dei contenuti che da sempre contraddistinguono il Bestseller sulla Sicurezza Informatica! Hai mai aspirato a diventare un hacker? Se la risposta è sì questo è il libro che fa per te! Nato come progetto crowdfunding, Hacklog Volume 1: Anonimato è il primo di una collezione di libri pensati per chi vuole cimentarsi nell'Hacking e nella Sicurezza Informatica. Imparerai ad usare gli strumenti che i veri hacker usano quotidianamente per sfuggire dai controlli, a nascondere i tuoi files più nascosti (e anche a recuperarli!) e a conoscere più da vicino il vasto mondo dell'anonimato. Hacklog Volume 1: Anonimato è il libro pensato per chi ha poche competenze nella Sicurezza Informatica ma tanta voglia di imparare! È inoltre un ottimo ripasso per chi già conosce questo affascinante mondo e anche per chi è esperto nel settore: Scuole Superiori, Università, Esperti del Settore ed Enti utilizzano l'Hacklog per informarsi e aggiornarsi sulle tecniche utilizzate dai cybercriminali per sfuggire dai controlli e rendersi completamente anonimi nel vasto mondo della rete. Ecco alcuni temi trattati dal primo volume:

- * Imparerai ad utilizzare i Sistemi Operativi che gli hacker e gli esperti del settore usano, come Ubuntu, Kali Linux, Parrot Security OS e molti altri basati su GNU/Linux, ma anche Windows e macOS
- * Saprai riconoscere quali tracce informatiche vengono lasciate durante un attacco o un'ispezione informatica, come il MAC Address, l'uso degli Hostname, i DNS e gli Indirizzi IP anonimizzanti attraverso i Proxy
- * Sarai in grado di effettuare comunicazioni sicure mediante VPN, i migliori fornitori di servizi e le regolamentazioni in merito ai takedown governativi
- * Conoscerai il vasto mondo del Deep Web e della Dark Net, i circuiti anonimizzati di TOR, I2P e Freenet, oltre che le Combo Network per metterti in sicuro attraverso tunnel di comunicazione piramidali
- * Saprai individuare le risorse locali che possono metterti in pericolo, come i Cookies, Javascript, Flash, Java, ActiveX, WebRTC e saprai effettuare il fingerprinting del tuo browser
- * Imparerai a mettere al sicuro i tuoi dati, verificandoli attraverso i checksum e cifrandoli attraverso tecniche di crittografia come PGP e GPG; inoltre, ti verranno date informazioni su come cifrare un disco, stenografia e backup dei tuoi dati più importanti
- * Sarai in grado di recuperare dati, anche dopo che sono stati cancellati dai dischi, e di distruggerli in maniera definitiva, attraverso tecniche utilizzate dalla polizia di tutto il mondo
- * Imparerai a riconoscere le vulnerabilità che espongono la tua identità sulla rete, quindi le best practices per evitare che questo accada
- * Acquistare in anonimato nella rete, attraverso i circuiti della Dark Net e l'uso delle cryptovalute come i Bitcoin

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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.

Hacklog Volume 1 Anonimato Manuale sulla Sicurezza Informatica e Hacking Etico Stefano Novelli

The only tie-in book for USA's award-winning series MR. ROBOT, Elliot's journal—Red Wheelbarrow—is written by show creator Sam Esmail and show writer Courtney Looney. Before and during the events of season two, Elliot recorded his most private thoughts in this journal—and now you can hold this piece of the series in your hands. Experience Elliot's battles to gain control of his life and his struggles to survive increasingly dangerous circumstances, in a brand-new story rendered in his own words. The notebook also holds seven removable artifacts—a ripped-out page, a newspaper clipping, a mysterious envelope, and more—along with sketches throughout the book. You'll discover the story behind MR. ROBOT season two and hints of what is to come. This book is the ultimate journey into the world of the show—and a key to hacking the mind of its main character. MR. ROBOT is a psychological thriller that follows Elliot (Rami Malek, The Pacific), a young programmer, who works as a cyber-security engineer by day and as a vigilante hacker by night. Elliot finds himself at a crossroads when the mysterious leader (Christian Slater, Adderall Diaries) of an underground hacker group recruits him to destroy the firm he is paid to protect. Praise for MR. ROBOT: "Relentless, sensational, and unabashedly suspenseful" —The New York Times ". . . most narratively and visually daring drama series on television . . ." —Entertainment Weekly "Terrific" —The New Yorker "Sam Esmail is one of the most innovative creators to make his mark on television in a long time." —Rolling Stone "A modern classic" —Forbes "MR. ROBOT has the potential to be one of the defining shows of our age." —TIME "Brilliant" —The Huffington Post Golden Globe Awards for Best Television Series, Drama, and Best Performance by an Actor in a Supporting Role in a Series, Mini-Series or Motion Picture Made for Television (Christian Slater) Critics' Choice® Awards for Best Drama Series, Best Actor in a Drama Series (Rami Malek), and Best Supporting Actor in a Drama Series (Christian Slater) Emmy Award® for Outstanding Lead Actor in a Drama Series (Rami Malek) Five Emmy® nominations, including for Outstanding Drama Series

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.

This book will serve as a reference guide for anyone that is responsible for the collection of online content. It is written in a hands-on style that encourages the reader to execute the tutorials as they go. The search techniques offered will inspire analysts to "think outside the box" when scouring the internet for personal information. Much of the content of this book has never been discussed in any publication. Always thinking like a hacker, the author has identified new ways to use various technologies for an unintended purpose. This book will improve anyone's online investigative skills. Among other techniques, you will learn how to locate: Hidden Social Network Content, Cell Phone Owner Information, Twitter GPS & Account Data, Hidden Photo GPS & Metadata, Deleted Websites & Posts, Website Owner Information, Alias Social Network Profiles, Additional User Accounts, Sensitive Documents & Photos, Live Streaming Social Content, IP Addresses of Users, Newspaper Archives & Scans, Social Content by Location, Private Email Addresses, Historical Satellite Imagery, Duplicate Copies of Photos, Local Personal Radio Frequencies, Compromised Email Information, Wireless Routers by Location, Hidden Mapping Applications, Complete Facebook Data, Free Investigative Software, Alternative Search Engines, Stolen Items for Sale, Unlisted Addresses, Unlisted Phone Numbers, Public Government Records, Document Metadata, Rental Vehicle Contracts, Online Criminal Activity.

The ultimate guide to cryptography, updated from an author team of the world's top cryptography experts. Cryptography is vital to keeping information safe, in an era when the formula to do so becomes more and more challenging. Written by a team of world-renowned cryptography experts, this essential guide is the definitive introduction to all major areas of cryptography: message security, key negotiation, and key management. You'll learn how to think like a cryptographer. You'll discover techniques for building cryptography into products from the start and you'll examine the many technical changes in the field. After a basic overview of cryptography and what it means today, this indispensable resource covers such topics as block ciphers, block modes, hash functions, encryption modes, message authentication codes, implementation issues, negotiation protocols, and more. Helpful examples and hands-on exercises enhance your understanding of the multi-faceted field of cryptography. An author team of internationally recognized cryptography experts updates you on vital topics in the field of cryptography Shows you how to build cryptography into products from the start Examines updates and changes to cryptography Includes coverage on key servers, message security, authentication codes, new standards, block ciphers, message authentication codes, and more Cryptography Engineering gets you up to speed in the ever-evolving field of cryptography.

The CompTIA Security+: SY0-601 Certification Guide makes the most complex Security+ concepts easy to understand even for those who have no prior knowledge. Complete with exam tips, practical exercises, mock exams, and exam objective mappings, this is the perfect study guide to help you obtain Security+ certification.

Becoming a master of networking has never been easier Whether you're in charge of a small network or a large network, Networking All-in-One is full of the information you'll need to set up a network and keep it functioning. Fully updated to capture the latest Windows 10 releases through Spring 2018, this is the comprehensive guide to setting up, managing, and securing a successful network. Inside, nine minibooks cover essential, up-to-date information for networking in systems such as Windows 10 and Linux, as well as best practices for security, mobile and cloud-based networking, and much more. Serves as a single source for the most-often needed network administration information Covers the latest trends in networking Get nine detailed and easy-to-understand networking minibooks in one affordable package Networking All-in-One For Dummies is the perfect beginner's guide as well as the professional's ideal reference book.

One-volume coverage of all the core concepts, terminology, issues, and practical skills modern computer security professionals need to know * *The most up-to-date computer security concepts text on the market. *Strong coverage and comprehensive analysis of key attacks, including denial of service, malware, and viruses. *Covers oft-neglected subject areas such as cyberterrorism, computer fraud, and industrial espionage. *Contains end-of-chapter exercises, projects, review questions, and plenty of realworld tips. Computer Security Fundamentals, Second Edition is designed to be the ideal one volume gateway into the entire field of computer security. It brings together thoroughly updated coverage of all basic concepts, terminology, and issues, along with the practical skills essential to security. Drawing on his extensive experience as both an IT professional and instructor, Chuck Easttom thoroughly covers core topics such as vulnerability assessment, virus attacks, buffer overflow, hacking, spyware, network defense, firewalls, VPNs, Intrusion Detection Systems, and passwords. Unlike many other authors, however, he also fully addresses more specialized issues, including cyber terrorism, industrial espionage and encryption - including public/private key systems, digital signatures, and certificates. This edition has been extensively updated to address the latest issues and technologies, including cyberbullying/cyberstalking, session hijacking, steganography, and more. Its examples have been updated to reflect the current state-of-the-art in both attacks and defense. End-of-chapter exercises, projects, and review questions guide readers in applying the knowledge they've gained, and Easttom offers many tips that readers would otherwise have to discover through hard experience.

Advance your understanding of the Linux command line with this invaluable resource Linux Command Line and Shell Scripting Bible, 4th Edition is the newest installment in the indispensable series known to Linux developers all over the world. Packed with concrete strategies and practical tips, the latest edition includes brand-new content covering: Understanding the Shell Writing Simple Script Utilities Producing Database, Web & Email Scripts Creating Fun Little Shell Scripts Written by accomplished Linux professionals Christine Bresnahan and Richard Blum, Linux Command Line and Shell Scripting Bible, 4th Edition teaches readers the fundamentals and advanced topics necessary for a comprehensive understanding of shell scripting in Linux. The book is filled with real-world examples and usable scripts, helping readers navigate the challenging Linux environment with ease and convenience. The book is perfect for anyone who uses Linux at home or in the office and will quickly find a place on every Linux enthusiast's bookshelf.

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

countermeasures security professionals need to implement now, and Mitnick's own acerbic commentary on the crimes he describes, this book is sure to reach a wide audience-and attract the attention of both law enforcement agencies and the media.

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