

Blue Team Field Manual Btfm Rtfm English Edition

The official guide to the Nmap Security Scanner, a free and open source utility used by millions of people, suits all levels of security and networking professionals.

Any good attacker will tell you that expensive security monitoring and prevention tools aren't enough to keep you secure. This practical book demonstrates a data-centric approach to distilling complex security monitoring, incident response, and threat analysis ideas into their most basic elements. You'll learn how to develop your own threat models from the corporate world to your own cyberoperation. The Tribe of Hackers is a must-have resource for security professionals who are looking to advance their careers, gain a fresh perspective, and get serious about cybersecurity with thought-provoking insights from the world's most noteworthy hackers and influential security specialists.

protecing Collect, mine, organize, and analyze as many relevant data sources as possible Build your own playbook of repeatable methods for security monitoring and response Learn how to put your plan into action and keep it running smoothly Select the right monitoring and detection tools for your environment Develop queries to help you

what actions to take during the incident response phase

Blue Team defensive advice from the biggest names in cybersecurity The Tribe of Hackers team is back. This new guide is packed with insights on blue team issues from the biggest names in cybersecurity. Inside, dozens of the world's leading Blue Team security specialists show you how to harden systems against real and simulated breaches by blocking even the most advanced red-team attacks and preventing costly losses. The experts share their hard-earned wisdom, revealing what works and what doesn't in the real world of cybersecurity. Tribe of Hackers Blue Team goes beyond the bestselling, original Tribe of Hackers book and delves into detail on defensive and preventative hands-on security experts and security managers are sure to build into their blue team exercises. Discover what it takes to get started building blue team skills Learn how you can defend against physical and technical penetration testing Understand the techniques that advanced red teamers use against high-value targets Identify the most harden systems against red team attacks Stand out from the competition as you work to advance your cybersecurity career Authored by leaders in cybersecurity attack and breach simulations, the Tribe of Hackers series is perfect for those new to blue team security, experienced practitioners, and cybersecurity team leaders. Tribe of Hackers guidance you need to advance your information security career and ready yourself for the blue team defense.

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 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, and evading antivirus software. From "Pregame" research to 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. 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

hacker's library—there's no reason not to get in the game.

Violent Python shows you how to move from a theoretical understanding of offensive computing concepts to a practical implementation. Instead of relying on another attacker's tools, this book will teach you to forge your own weapons using the Python programming language. This book demonstrates how to write Python scripts to automate large-scale investigations forensic activities. It also shows how to write code to intercept and analyze network traffic using Python, craft and spoof wireless frames to attack wireless and Bluetooth devices, and how to data-mine popular social media websites and evade modern anti-virus. Demonstrates how to write Python scripts to automate large-scale artifacts Write code to intercept and analyze network traffic using Python. Craft and spoof wireless frames to attack wireless and Bluetooth devices Data-mine popular social media websites and evade modern anti-virus

Shell Scripting

Red Team + OSINT - Blue Team Reference

Violent Python

Mastering the Penetration Testing Distribution

Soc, SIem, and Threat Hunting Use Cases: A Condensed Field Guide for the Security Operations Team

Hacking the Hacker

PTFM

A Practical Guide

Tribe of Hackers: Cybersecurity Advice from the Best Hackers in the World (9781119643371) was previously published as Tribe of Hackers: Cybersecurity Advice from the Best Hackers in the World (978179346187). While this version features a new cover design and introduction, the remaining content is the same as the prior release and should not be considered a new or updated product. Looking for real-world advice from leading cybersecurity experts? You've found your tribe. Inside Tribe of Hackers: Cybersecurity Advice from the Best Hackers in the World, you'll get to joining the ranks of hundreds of thousands of cybersecurity professionals around the world. Whether you're just joining the industry, climbing the corporate ladder, or considering consulting, Tribe of Hackers offers the practical know-how, industry perspectives, and technical insight you need to succeed in the rapidly growing information security market. This unique guide includes inspiring interviews from 70 security experts, including Lesley Carlson, Ming Chow, Bruce Potter, Robert M. Lee, and Jayson E. Street. Get the scoop on the biggest cybersecurity myths and misconceptions about security. Learn what qualities and credentials you need to advance in the cybersecurity field. Uncover which life hacks are worth your while. Understand how social media and the Internet of Things has changed cybersecurity. Discover what it takes to stand out from the crowd. Find your favorite hacker's online and continue the conversation. Tribe of Hackers is a must-have resource for security professionals who are looking to advance their careers, gain a fresh perspective, and get serious about cybersecurity with thought-provoking insights from the world's most noteworthy hackers and influential security specialists.

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 veterans 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 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 peak 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 notations, but it also aids in faster lookup. We've all had the same experience where we knew there was an "NMAP Cheat Sheet" but it did fall under Networking, Windows, or Tools? In the Operator Handbook it begins with "N" so flip to the "N" 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 L3!

The Complete Team Field Manual: A condensed reference guide for password recovery (cracking) methods, tools, and analysis techniques. A compilation of basic and advanced techniques to assist penetration testers and network security professionals evaluate their organization's posture. The Hash Crack manual contains syntax and examples for the most popular cracking and analysis tools and will save you hours of research looking up tool usage. It also includes basic cracking knowledge and methodologies every security professional should know when dealing with password attack capabilities. Hash Crack contains all the tables, commands, online resources, and more to complete your cracking security kit. This version expands on techniques to extract hashes from a myriad of operating systems, devices, data, files, and images. Lastly, it contains updated tool usage and syntax for the most popular cracking tools. Despite the increase of high-profile hacks, record-breaking data leaks, and ransomware attacks, many organizations don't have the budget to establish or outsource an information security (InfoSec) program, forcing them to learn on the job. For companies obliged to improvise, this pragmatic guide provides a security-101 handbook with steps, tools, processes, and ideas to help you find maximum-security improvement at little or no cost. Each chapter in this book provides step-by-step instructions for dealing with a specific issue, including breaches and disasters, compliance, network infrastructure and password management, vulnerability scanning, and penetration testing, among others. Network engineers, system administrators, and security professionals will learn tools and techniques to help improve security in sensible, manageable chunks. Learn fundamentals of starting or redesigning an InfoSec program Create a base set of policies, standards, and procedures Plan and design incident response, disaster recovery, a compliance, and physical security Bolster Microsoft and Linux systems, network infrastructure, and password management Use segmentation practices and designs to compartmentalize your network Explore automated process and tools for vulnerability management Secure IPv6 development to reduce exploitable errors Understand basic penetration testing concepts through purple teaming Delve into IDS, IPS, SOC, logging, and monitoring

Blue Team Handbook: SOC, SIEM, and Threat Hunting Use Cases is having an amazing impact on Security Operations worldwide. BTFM:SIEM is the go to guiding book for new staff at a top 10 MSSP, integrated into University curriculum, and cited in top ten courses from a major information security training company. This listing is for V1.02.BTFM:SOCH provides the security practitioner with numerous field notes on building a security operations team, managing SIEM, and mining data sources to get the maximum amount of information out of her with a threat hunting approach. The author shares his fifteen years of experience with SIEMs and security operations is a no frills, just information format. Don Murdoch has implemented five major platforms, integrated over one hundred data sources into various platforms, and ran an MSSP practice for two years. This book covers the topics below using a "zero fluff" approach as if you hired him as a security consultant and were sitting across the table with him (or her).The book begins with a discussion for professionals to help them build a successful business case and a project plan, decide on SOC tier models, anticipate and answer tough questions you need to consider when proposing a SOC, and considerations in building a logging infrastructure. The book goes through numerous data sources that feed a SOC and SIEM and provides specific real world guidance on how to use those data sources to best possible effect. Most of the examples presented were implemented in one organization or another. These uses cases explain how to use a SIEM and how to use the data coming into the platform, both questions that Don found is often answered poorly by many vendors. Several business concepts are also introduced, because they are often overlooked by IT: value chain, PESTL, and SWOT. Major sections include:An inventory of Security Operations Center (SOC) Services,Metrics, with a focus on objective measurements for the SOC, for analysis, and for SIEMs'sOC staff onboarding, training topics, and desirable skills. Along these lines, there is a chapter on a day in the life of a SOC analyst.Maturity analysis for the SOC and the log management program. Applying a Threat Hunt mindset to the SOC. A full use case template that was used within two major Fortune 500 companies, and is in active use by one major SIEM vendor, along with a complete example of how to build a SOC and SIEM focused use case. You can see the corresponding discussion of this chapter on YouTube. Just search for the 2017 Security Union conference for the presentation.Critical topics in deploying SIEM based on experience deploying five different technical platforms for nineteen different organizations in education, nonprofit, and commercial enterprises from 160 to 30,000 personnel.Understanding why SIEM deployments fail with actionable compensators. Real life experiences getting data into SIEM platforms and the considerations for the many different ways to provide data. Issues relating to time management, and time zones.

Work for Money, Design for Love

Tribe of Hackers Blue Team

Infrastructure security with Red Team and Blue Team tactics

Tribe of Hackers Red Team

Cybersecurity Advice from the Best Hackers in the World

Crafting the InfoSec Playbook

The Science of Human Hacking

CR for Beginners with Hands-On Project

Whether you're a veteran or an absolute no0b, this is the best place to start with Kali Linux, the security professional's platform of choice, and a truly industry-grade, and world-class operating system distribution-mature, secure, and enterprise-ready.

A reference manual for Linux that has descriptions of core functions and has command line tools, with popular applications such as docker and kubectl

JUMPSTART YOUR NEW AND EXCITING CAREER AS A PENETRATION TESTER The Pentester BluePrint: Your Guide to Being a Pentester offers readers a chance to delve deeply into the world of the ethical, or "white-hat" hacker. Accomplished pentester and author Phillip L. Wylie and cybersecurity researcher Kim Crowley walk you through the basic and advanced topics necessary to understand how to make a career out of finding vulnerabilities in systems, networks, and applications. You'll learn about the role of a penetration tester, what a pentest involves, and the prerequisite knowledge you'll need to start the educational journey of becoming a pentester. Discover how to develop a plan by assessing your current skillset and finding a starting place to begin growing your knowledge and skills. Finally, find out how to become employed as a pentester by using social media, networking strategies, and community involvement. Perfect for IT workers and entry-level information security professionals, The Pentester BluePrint also belongs on the bookshelves of anyone seeking to transition to the exciting and in-demand field of penetration testing. Written in a highly approachable and accessible style, The Pentester BluePrint avoids unnecessarily technical lingo in favor of concrete advice and practical strategies to help you get your start in pentesting. This book will teach you. The foundations of pentesting, including basic IT skills like operating systems, networking, and security systems The development of hacking skills and a hacker mindset Where to find educational options, including college and university classes, security training providers, volunteer work, and self-study Which certifications and degrees are most useful for gaining employment as a pentester How to get experience in the pentesting field, including labs, CTFs, and bug bounties

This book is the culmination of years of experiences 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 state that there are security controls in each network layer, and how you can carry out the recovery process of a compromised system. Finally, you will learn how to create a vulnerability management strategy and the different techniques for manual log analysis. By the end of this book you will well-versed with Red Team techniques and will have learned the techniques used nowadays to attack and defend systems. What you will learn: Learn the importance of having a solid foundation for your security posture Understand the attack strategy using cyber security kill chain Learn how to enhance your defense strategy by improving your security policies, hardening your network, implementing active sensors, and leveraging threat intelligence Learn how to perform an incident investigation Get an in-depth understanding of the recovery process Understand continuous security monitoring and how to implement a vulnerability management strategy Learn how to perform log analysis to identify suspicious activities Who this book is for This book aims at IT professional who want to venture the IT security domain. IT pentester, Security consultants, and ethical hackers will also find this course useful. Prior knowledge of penetration testing would be beneficial.

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

Penetration Testing

Kali Linux Revealed

Learn C# in One Day and Learn IT Well

The Art of Active Defense

The Complete Team Field Manual

The Authoritative Guide to Understanding the Concepts Surrounding Logging and Log Management

Offensive Countermeasures

Blue Team Handbook

Tired of playing catchup with hackers? Does it ever seem that you have all of the cool tools? Does it seem like defending a network is just not fun? This books introduces new cyber-security defensive tactics to annoy attackers, gain attribution and insight on who and where they are. It discusses how to attack attackers in a way which is legal and incredibly useful.

Build a better defense against motivated, organized, professional attackers 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. Enhance your organization's secure posture by improving your attack and defense strategies Key Features Gain a clear understanding of the attack methods, and patterns to recognize abnormal behavior within your organization with Blue Team tactics. Learn to unique techniques to gather exploitation intelligence, identify risk and demonstrate impact with Red Team and Blue Team strategies. A practical guide that will give you hands-on experience to mitigate risks and prevent attackers from infiltrating your system. Book Description The book will start talking about the security posture before moving to Red Team tactics, where you will learn the basic syntax for the Windows and Linux tools that are commonly used to perform the necessary operations. You will also gain hands-on experience of using new Red Team techniques with powerful tools such as python and PowerShell, which will enable you to discover vulnerabilities in your system and how to exploit them. Moving on, you will learn how a system is usually compromised by adversaries, and how they hack user's identity, and the various tools used by the Red Team to find vulnerabilities in a system. In the next section, you will learn about the defense strategies followed by the Blue Team to enhance the overall security of a system. You will also learn about an in-depth strategy to ensure that there are security controls in each network layer, and how you can carry out the recovery process of a compromised system. Finally, you will learn how to create a vulnerability management strategy and the different techniques for manual log analysis. By the end of this book you will well-versed with Red Team techniques and will have learned the techniques used nowadays to attack and defend systems. What you will learn: Learn the importance of having a solid foundation for your security posture Understand the attack strategy using cyber security kill chain Learn how to enhance your defense strategy by improving your security policies, hardening your network, implementing active sensors, and leveraging threat intelligence Learn how to perform an incident investigation Get an in-depth understanding of the recovery process Understand continuous security monitoring and how to implement a vulnerability management strategy Learn how to perform log analysis to identify suspicious activities Who this book is for This book aims at IT professional who want to venture the IT security domain. IT pentester, Security consultants, and ethical hackers will also find this course useful. Prior knowledge of penetration testing would be beneficial.

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 A compendium of shell scripting recipes that can immediately be used, adjusted, and applied The shell is the primary way of communicating with the Unix and Linux systems, providing a direct way to program by automating simple-to-intermediate tasks. With this book, Linux expert Steve Parker shares a collection of shell scripting recipes that can be used as is or easily modified for a variety of environments or situations. The book covers shell programming, with a focus on Linux and the Bash shell; it provides credible, real-world relevance, as well as providing the flexible tools to get started immediately. Shares a collection of helpful shell scripting recipes that can immediately be used for various of real-world challenges Features recipes for system tools, shell features, and systems administration Provides a host of plug and play recipes for to immediately apply and easily modify so the wheel doesn't have to be reinvented with each challenge faced Come out of your shell and dive into this collection of tried and tested shell scripting recipes that you can start using right away!

Security Testing, Penetration Testing, and Ethical Hacking

Practical Guide to Penetration Testing

Best Practices for Securing Infrastructure

Learn From the Experts Who Take Down Hackers

A Hands-On Introduction to Hacking

A Condensed Guide for the Security Operations Team and Threat Hunter

Answers to the Most Frequently Asked Questions About Starting and Running a Successful Design Business

Red Team Development and Operations

Blue Team Handbook: SOC, SIEM, and Threat Hunting Use Cases provides the security practitioner with numerous field notes on building a security operations team and mining data sources to get the maximum amount of information out of them with a threat hunting approach. The author shares his fifteen years of experience with SIEM, and mining data sources to get the maximum amount of information out of her with a threat hunting approach. The author shares his fifteen years of experience with SIEMs and security operations is a no frills, just information format. Don Murdoch has implemented five major platforms, integrated over one hundred data sources into various platforms, and ran an MSSP practice for two years. This book covers the topics below using a "zero fluff" approach as if you hired him as a security consultant and were sitting across the table with him (or her). Topics covered include: * The book begins with a discussion for professionals to help them build a successful business case and a project plan, and deciding on SOC tier models. There is also a list of tough questions you need to consider when proposing a SOC, as well as a discussion of layered operating models. * It then goes through numerous data sources that feed a SOC and SIEM and provides specific guidance on how to use those data sources. Most of the examples presented were implemented in one organization or another. These uses cases explain how to use a SIEM and how to use the data coming into the platform, a question that is poorly answered by many vendors. * An inventory of Security Operations Center (SOC) Services. * Several business concepts are also introduced, because they are often overlooked by IT: value chain, PESTL, and SWOT. * Metrics. * SOC staff onboarding, training topics, and desirable skills. Along these lines, there is a chapter on a day in the life of a SOC analyst. * Maturity analysis for the SOC and the log management program. * Applying a Threat Hunt mindset to the SOC. * A full use case template that was used within two major Fortune 500 companies, and is in active use by one major SIEM vendor, along with a complete example of how to build a SOC and SIEM focused use case. You can see the corresponding discussion on YouTube - search for the 2017 Security Union conference. * Critical topics in deploying SIEM based on experience deploying five different technical platforms for nineteen different organizations in education, nonprofit, and commercial enterprises from 160 to 30,000 personnel. * Understanding why SIEM deployments fail with actionable compensators. * Real life experiences getting data into SIEM platforms and the considerations for the many different ways to provide data. * Issues relating to time, time management, and time zones. * Critical factors in log management, network security monitoring, continuous monitoring, and security architecture related directly to SOC and SIEM. * A table of useful TCP and UDP port numbers. This is the second book in the Blue Team Handbook Series. Volume One, focused on incident response, has over 32,000 copies in print and has a 4.5/5 review rating!

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.

A practical handbook to cybersecurity for both tech and non-tech professionals As reports of major data breaches fill the headlines, it has become impossible for any business, large or small, to ignore the importance of cybersecurity. Most books on the subject, however, are either too specialized for the non-technical professional or too general for those in the trenches. Thanks to author Hadean Tanner's wide array of experience from teaching at a University to working for the Department of Defense, the Cybersecurity Blue Team Toolkit strikes the perfect balance of substantive and accessible, making it equally useful to those in IT or management positions across a variety of industries. This handy guide takes a simple and strategic look at best practices and tools available to both cybersecurity management and hands-on professionals, whether they be new to the field or looking to expand their expertise. Tanner gives comprehensive coverage to such crucial topics as security assessment and configuration, strategies for protection and defense, offensive measures, and remediation while aligning the concept with the right tool using the CIS Controls version 7 as a guide. Readers will learn why and how to use fundamental open source and free tools such as ping, tracer, PUTTY, pathing, sysinternals, NMAP, OpenVAS, Nexpose Community, OSSEC, Hamachi, InSSIDer, Nexpose Community, Wireshark, Solarwinds Kiwi Syslog Server, Metasploit, Burp, Clonazilla and many more. Up-to-date and practical cybersecurity instruction, applicable to both management and technical positions * Straightforward explanations of the theory behind cybersecurity best practices * Designed to be an easily navigated tool for daily use * Includes training appendix on Linux, how to build a virtual lab and glossary of key terms The Cybersecurity Blue Team Toolkit is an excellent resource for anyone working in digital policy as well as IT security professionals, technical analysts, program managers, and chief information and technology officers. This is one handbook that won't gather dust on the shelf, but remain a valuable reference at any career level, from student to executive.

Red teams can show up in your network before they are compromised by malicious actors and blue teams traditionally assess current security measures and identify security flaws. The teams can provide valuable feedback to each other, but this is often overlooked, enter the purple team. The purple team allows for the integration of red team tactics and blue team security measures. The purple team field manual is a manual for all security professionals and integrates red and blue team methodologies.

Your one-stop guide to learning and implementing Red Team tactics effectively Key FeaturesTarget a complex enterprise environment in a Red Team activityDetect threats and respond to them with a real-world cyber-attack simulationExplore advanced penetration testing tools and techniquesBook Description Red Teaming is used to enhance security by performing simulated attacks on an organization in order to detect network and system vulnerabilities. Hands-On Red Team Tactics starts with an overview of pentesting and Red Teaming, before giving you an introduction to few of the latest pentesting tools. We will then move on to exploring Metasploit and getting to grips with Armitage. Once you have studied the fundamentals, you will learn how to use Cobalt Strike and how to set up its team server. The book introduces some common lesser known techniques for pivoting and how to pivot over SSH, before using Cobalt Strike to pivot. This comprehensive guide demonstrates advanced network operations after implanting Cobalt Strike and introduces you to Command and Control (C2) servers and redirectors. All this will help you achieve persistence using beacons and data exfiltration, and will also give you the chance to run through the methodology to use Red Team activity tools such as Empire during a Red Team activity or Active Directory and Driftnet Controller. In addition to this, you will explore maintaining persistent access, staying untraceable, and getting reverse connections over different C2 covert channels. By the end of this book, you will have learned about advanced penetration testing tools, techniques to get reverse shells over encrypted channels, and processes for post-exploitation. What you will learnGet started with red team engagements using lesser-known methodsExplore intermediate and advanced levels of post-exploitation techniquesGet acquainted with all the tools and frameworks included in the Metasploit frameworkDiscover the art of getting stealthy access to systems via Red TeamingUnderstand the concept of redirectors to add further anonymity to your C2Get to grips with different uncommon techniques for data exfiltrationWho this book is for Hands-On Red Team Tactics is for you if you are an IT professional, pentester, security consultant, or ethical hacker interested in the IT security domain and wants to go beyond Penetration Testing. Prior knowledge of penetration testing is beneficial.

Hacking the World's Most Secure Networks

Gray Hat Hackers: The Original Hacker's Handbook, Fifth Edition

Advanced Penetration Testing

Purple Team Field Manual

The Hacker Playbook 2

Kali Linux Penetration Testing Bible

Python Programming for Hackers and Pentesters

Hands-On Red Team Tactics

Harden the human firewall against the most current threats Social Engineering: The Science of Human Hacking reveals the craftier side of the hacker's repertoire—why hack into something when you could just ask for access? Undetectable by firewalls and antivirus software, social engineering relies on human fall to gain access to sensitive spaces; in this book, renowned expert Christopher Hadnagy explains the most commonly-used techniques that fool even the most robust security personnel, and shows you how these techniques have been used in the past. The way that we make decisions as humans affects everything from our emotions to our security. Hackers, since the beginning of time, have figured out ways to exploit that decision making process and get you to take an action not in your best interest. This new Second Edition has been updated with the most current methods used by sharing stories, examples, and scientific study behind how those decisions are exploited. Networks and systems can be hacked, but they can also be protected; when the "system" in question is a human being, there is no software to fall back on, no hardware upgrade, no code that can lock information down indefinitely. Human nature and emotion is the secret weapon of the malicious social engineering, and this book shows you how to recognize, predict, and prevent this type of manipulation by taking you inside the social engineer's bag of tricks. Examine the most common social engineering tricks used to gain access. Discover which popular techniques generally don't work in the real world Examine how our understanding of the science behind emotions and decisions can be used by social engineers Learn how social engineering factors into some of the biggest recent headlines Learn how to use these skills as a professional social engineer and secure your company

Analyzing the science behind human decision making By using the social engineering playbook, you gain the advantage of foresight that can help you protect yourself and others from even the best efforts. Social Engineering gives you the inside information you need to mount an unshakable defense. 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.

Blue Team Field Manual: A condensed reference guide for password recovery (cracking) methods, tools, and analysis techniques. A compilation of basic and advanced techniques to assist penetration testers and network security professionals evaluate their organization's posture. The Hash Crack manual contains syntax and examples for the most popular cracking and analysis tools and will save you hours of research looking up tool usage. It also includes basic cracking knowledge and methodologies every security professional should know when dealing with password attack capabilities. Hash Crack contains all the tables, commands, online resources, and more to complete your cracking security kit. This version expands on techniques to extract hashes from a myriad of operating systems, devices, data, files, and images. Lastly, it contains updated tool usage and syntax for the most popular cracking tools. Despite the increase of high-profile hacks, record-breaking data leaks, and ransomware attacks, many organizations don't have the budget to establish or outsource an information security (InfoSec) program, forcing them to learn on the job. For companies obliged to improvise, this pragmatic guide provides a security-101 handbook with steps, tools, processes, and ideas to help you find maximum-security improvement at little or no cost. Each chapter in this book provides step-by-step instructions for dealing with a specific issue, including breaches and disasters, compliance, network infrastructure and password management, vulnerability scanning, and penetration testing, among others. Network engineers, system administrators, and security professionals will learn tools and techniques to help improve security in sensible, manageable chunks. Learn fundamentals of starting or redesigning an InfoSec program Create a base set of policies, standards, and procedures Plan and design incident response, disaster recovery, a compliance, and physical security Bolster Microsoft and Linux systems, network infrastructure, and password management Use segmentation practices and designs to compartmentalize your network Explore automated process and tools for vulnerability management Secure IPv6 development to reduce exploitable errors Understand basic penetration testing concepts through purple teaming Delve into IDS, IPS, SOC, logging, and monitoring

Blue Team Handbook: SOC, SIEM, and Threat Hunting (V1. 02)

Applied Incident Response

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

Incident Response Edition: A Condensed Field Guide for the Cyber Security Incident Responder

Defensive Security Handbook

The Red Team and the Blue Team are now obsolete. The only manual you need is this: "JCTCFM" The Complete Team Field Manual is the most comprehensive cybersecurity manual around that includes all the different techniques and approaches of the blue and red teams. This book contains: the basic syntax for commonly used Linux and Windows command line tools; unique use cases for powerful tools such as Python and Windows PowerShell; five core functions of Identify, Protect, Detect, Respond, and Recover tactical steps and commands to use when preparing working through recovering commands after Cyber Security Incident more importantly, it should teach you some new secret techniques Scroll up and buy this manual. It will be the only book you will use.[]

Unlike other dry business books, this refreshing, straightforward guide from Logo Design Love author and international designer David Airey answers the questions all designers have when first starting out on their own. In fact, the book was inspired by the many questions David receives every day from the more than 600,000 designers who visit his three blogs (Logo Design Love, Identity Designed, and DavidAirey.com) each month. How do I find new clients? How much should I charge for my design work? When should I say no to a client? How do I handle difficult clients? What should I be sure to include in my contracts? David's readers-a passionate and vocal group-regularly ask him these questions and many more on how to launch and run their own design careers. With this book, David finally answers their pressing questions with anecdotes, case studies, and sound advice garnered from his own experience as well as those of such well-known designers as Ivan Chermayeff, Jerry Kuyper, Maggie Macnab, Eric Karjaluoto, and Von Glitschka. Designers just starting out on their own will find this book invaluable in succeeding in today's hyper-networked, global economy.

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 screenshots • 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.

Master C# Programming with a unique Hands-On Project (Updated for VS Community 2017) Have you always wanted to learn computer programming but are afraid it'll be too difficult for you? Or perhaps you know other programming languages but are interested in learning the C# language fast? This book is for you. You no longer have to waste your time and money learning C# from boring books that are 600 pages long, expensive online courses or complicated C# tutorials that just leave you more confused. What this book offers... C# for Beginners Complex concepts are broken down into simple steps to ensure that you can easily master the C# language even if you have never coded before. Carefully Chosen C# Examples Examples are carefully chosen to illustrate all concepts. In addition, the output for all examples are provided immediately so you do not have to wait till you have access to your computer to test the examples. Careful selection of topics Topics are carefully selected to give you a broad exposure to C#, while not overwhelming you with information overload. These topics include object-oriented programming concepts, error handling techniques, file handling techniques and more. Learn The C# Programming Language Fast Concepts are presented in a "to-the-point" style to cater to the busy individual. With this book, you can learn C# in just one day and start coding immediately. How is this book different... The best way to learn C# is by doing. At the end of the book, you'll be guided through a unique project that requires the application of all the concepts taught previously. Working through the project will not only help you see how it all ties together, it'll also give you an immense sense of achievement and the exhilaration of turning lines of code into a finished product that you can be proud of! Are you ready to dip your toes into the exciting world of C# coding? This book is for you. Click the "Add to Cart" button to buy it now. What you'll learn: Introduction to C#- What is C#? - How to install and run Visual Studio Community 2015? Data types and Operators - What are the common data types in C#? - What are arrays and lists? - How to format C# strings - What is a value type vs reference type? - What are the common C# operators? Object Oriented Programming - What is object oriented programming? - How to write your own classes - What are fields, properties, methods and constructors? - What is encapsulation, inheritance and polymorphism? - What is an abstract class and interface? - What is an enum and struct? Controlling the Flow of a Program- What are condition statements? - How to use control flow statements in C# - What are jump statements? - How to handle errors and exceptions and Others...- How to accept user inputs and display outputs - How to use LINQ to save yourself from hours of work - How to work with external files ...and so much more.... Finally, you'll be guided through a hands-on project that requires the application of all the topics covered. Click the BUY button at the top of this page now to start learning C#. Learn it fast and learn it well.

Incident response is critical for the active defense of any network, and incident responders need up-to-date, immediately applicable techniques with which to engage the adversary. Applied Incident Response details effective ways to respond to advanced attacks against local and remote network resources, providing proven response techniques and a framework through which to apply them. As a starting point for new incident handlers, or as a technical reference for hardened IR veterans, this book details the latest techniques for responding to threats against your network, including: Preparing your environment for effective incident response Leveraging MITRE ATT&CK and threat intelligence for active network defense Local and remote triage of systems using PowerShell, WMIC, and open-source tools Acquiring RAM and disk images locally and remotely Analyzing RAM with Volatility and ReKall Deep-dive forensic analysis of system drives using open-source or commercial tools Leveraging Security Onion and Elastic Stack for network security monitoring Techniques for log analysis and aggregating high-value logs Static and emulation with Atomic Red Team Improving preventive and detective controls

Ifm: Linux Field Manual

Official Nmap Project Guide to Network Discovery and Security Scanning

Learning Kali Linux

Hash Crack

A practical guide to mastering Red Team operations

Starting a Career as an Ethical Hacker

Expert Recipes for Linux, Bash, and more

Nmap Network Scanning

Want Red Team offensive advice from the biggest cybersecurity names in the industry? Join our tribe. The Tribe of Hackers team is back with a new guide packed with insights from dozens of the world's leading Red Team security specialists. With their deep knowledge of system vulnerabilities and innovative solutions for correcting security flaws, Red Team hackers are in high demand. Tribe of Hackers Red Team: Tribal Knowledge from the Best in Offensive Cybersecurity takes the valuable lessons and popular interview format from the original Tribe of Hackers and dives deeper into the world of Red Team security with expert perspectives on issues like penetration testing and ethical hacking. This unique guide includes inspiring interviews from influential security specialists, including David Kennedy, Rob Fuller, Jayson E. Street, and Georgia Weidman, who share their real-world learnings on everything from Red Team tools and tactics to careers and communication, presentation strategies, legal concerns, and more Learn what it takes to secure a Red Team job and to stand out from other candidates Discover how to hone your hacking skills while staying on the right side of the law Get tips for collaborating on documentation and reporting Explore ways to garner support from leadership on your security proposals Identify the most important control to prevent compromising your network Uncover the latest tools for Red Team offensive security Whether you're new to Red Team security, an experienced practitioner, or ready to lead your own team, Tribe of Hackers Red Team has the real-world advice and practical guidance you need to advance your information security career and ready yourself for the Red Team offensive.

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.

Updated, Expanded, and released to print on 10/5/14! Complete details below! Two new sections, five protocol header illustrations, improved formatting, and other corrections. The Blue Team Handbook is a zero fluff reference guide for cyber security incident responders and InfoSec pros alike. The BTHb includes essential information in a condensed handbook format about the incident response process, how attackers work, common tools, a methodology for network analysis developed over 12 years, Windows and Linux analysis processes, tcpdump usage examples, Snort IDS usage, and numerous other topics. The book is peppered with practical real life techniques from the authors extensive career working in academia and a corporate setting. Whether you are writing up your cases notes, analyzing potentially suspicious traffic, or called in to look over a misbehaving server - this book should help you handle the case and teach you some new techniques along the way. Version 2.0 updates: - "" A new section on Database incident response was added. - "" A new section on Chain of Custody was added. - "" Matt Baxter's superbly formatted protocol headers were added! - Table headers bolded. - Table format slightly revised throughout book to improve left column readability. - Several sentences updated and expanded for readability and completeness. - A few spelling errors were corrected. - Several sites added to the Web References section. - Illustrations reformatted for better fit on the page. - An index was added. - Attribution for some content made more clear (footnotes, expanded source citing) - Content expanded a total of 20 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.

Blue Team Field Manual (BTFM) is a Cyber Security Incident Response Guide that aligns with the NIST Cybersecurity Framework consisting of the five core functions of Identify, Protect, Detect, Respond, and Recover by providing the tactical steps to follow and commands to use when preparing for, working through and recovering from a Cyber Security Incident.

Cybersecurity ??? Attack and Defense Strategies

Security Monitoring and Incident Response Master Plan

Tribe of Hackers

Investigating Windows Systems

The Hacker Playbook

Cybersecurity Blue Team Toolkit

Logging and Log Management

Password Cracking Manual

Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 13 new chapters, Gray Hat Hacking, The Ethical Hacker's Handbook, Fifth Edition explains the enemy's current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-try testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. And the new topic of exploiting the Internet of things is introduced in this edition. •Build and launch spoofing exploits with Ettercap •Induce error conditions and crash software using fuzzers •Use advanced reverse engineering to exploit Windows and Linux software •Bypass Windows Access Control and memory protection schemes •Exploit web applications with Padding Oracle Attacks •Learn the use-after-free technique used in recent zero days •Hijack web browsers with advanced XSS attacks •Understand ransomware and how it takes control of your desktop •Dissect Android malware with JEB and DAD decompilers •Find one-day vulnerabilities with binary diffing •Exploit wireless systems with Software Defined Radios (SDR) •Exploit Internet of things devices •Dissect and exploit embedded devices •Understand bug bounty programs •Deploy next-generation honeypots •Dissect ATM malware and analyze common ATM attacks •Learn the business side of ethical hacking

Blue Team Field Manual

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Operator Handbook

Social Engineering