RTFM RED TEAM FIELD MANUAL

Mastering Cybersecurity with the RTFM Red Team Field Manual

RTFM RED TEAM FIELD MANUAL is a resource that's become indispensable for cybersecurity professionals, especially those involved in red teaming and penetration testing. If you're diving into the world of ethical hacking or offensive security, understanding how to utilize this manual can significantly boost your effectiveness during engagements. But what exactly is the RTFM Red Team Field Manual, and why has it gained such popularity among security practitioners? Let's explore its purpose, contents, and how it fits into modern cybersecurity workflows.

What Is the RTFM Red Team Field Manual?

At its core, the RTFM Red Team Field Manual is a concise, practical reference guide tailored for red team operators, penetration testers, and security enthusiasts alike. It's designed to provide quick access to commonly used commands, techniques, and snippets that can be used during offensive operations. Unlike in-depth textbooks or lengthy guides, the manual emphasizes brevity and actionable information — perfect for on-the-fly decision-making during assessments.

The manual covers a broad spectrum of topics, including Windows and Linux command lines, PowerShell commands, network enumeration tips, privilege escalation methods, and more. By consolidating these essential commands into a single, easy-to-navigate manual, RTFM helps security professionals save time and reduce the cognitive load when they need to act swiftly.

Why the RTFM Red Team Field Manual Stands Out

One of the reasons this manual resonates so well with the cybersecurity community is its pragmatic approach. Instead of overwhelming readers with theoretical concepts, it focuses on practical skills that can be immediately applied in the field. This makes it especially valuable for red teamers who often operate under time constraints and high-pressure scenarios.

Practicality Over Theory

While many cybersecurity resources dive deep into the "why" behind attacks and defenses, the RTFM manual zeroes in on the "how." It acts as a cheat sheet, offering:

- Quick command references for system enumeration and exploitation
- Useful PowerShell one-liners for Windows environments
- Network reconnaissance and scanning commands
- Techniques for maintaining persistence and evading detection

This hands-on focus makes it an excellent tool for both novices seeking guidance and experienced operators looking to refresh their memory.

Compact and Accessible Format

The manual's compact size and clear layout mean it can be easily accessed on a laptop or even printed out as a pocket guide. In fast-paced scenarios where every second matters, having a resource that consolidates vital commands and procedures into a digestible format is invaluable.

Core Components of the RTFM Red Team Field Manual

Understanding the breadth of content within the RTFM manual can help you appreciate why it's so widely used. Here are some of its key sections:

Windows Commands and PowerShell Tips

Because many enterprise environments run on Windows, mastery of Windows command line and PowerShell is crucial for red teamers. The manual provides a rich set of commands for:

- Enumerating users, groups, and privileges
- Extracting system information and network configurations
- Discovering running processes and services
- Executing scripts to bypass User Account Control (UAC) or escalate privileges

These snippets are especially helpful when crafting payloads or automating tasks during an engagement.

Linux and Unix-Based Commands

Not all targets are Windows machines, so the RTFM manual includes essential Linux commands as well. These cover:

- File and directory manipulation
- Network scanning and monitoring
- Privilege escalation techniques
- Process management and log inspection

Familiarity with these commands ensures red teamers can operate effectively across diverse environments.

Networking and Reconnaissance

Effective red teaming depends on gathering accurate intelligence about the target network. The manual assists

with:

- Commands for active and passive network reconnaissance
- Using tools like Nmap and Netcat via command line
- Techniques for identifying open ports and services
- Methods to map out network topology

This enables teams to uncover vulnerabilities and plan their attacks more intelligently.

Post-Exploitation and Persistence

After gaining initial access, maintaining footholds and escalating privileges are critical objectives. The RTFM manual provides concise commands and strategies to:

- Establish persistence mechanisms on compromised hosts
- Harvest credentials and sensitive data
- Clear logs and cover tracks
- Pivot to other machines within the network

These are vital for simulating realistic adversary behavior and testing an organization's detection capabilities.

How to Incorporate the RTFM Red Team Field Manual Into Your Workflow

Having access to the manual is just the first step. To truly benefit, red teamers should integrate it seamlessly into their daily routines.

Practice and Familiarization

Treat the manual as a living document. Spend time practicing the commands in controlled lab environments. The more familiar you become, the less you'll need to pause and reference the manual during real engagements.

Customize for Your Needs

Every red team has its unique style and target profile. Consider personalizing the manual by adding your own notes, favorite commands, or environment-specific scripts. This transforms the RTFM into a tailored toolkit.

Use It as a Training Aid

The RTFM manual is a fantastic resource for onboarding new team members or mentoring junior penetration testers. It helps standardize knowledge and ensures everyone has quick access to essential commands.

Beyond the Manual: Complementary Tools and Resources

While the RTFM Red Team Field Manual is powerful, it's best used alongside other cybersecurity tools and knowledge bases. Integrating it with platforms such as:

- MITRE ATT&CK framework for understanding adversary tactics
- Automated scripting tools like PowerShell Empire or Metasploit
- Network analysis suites such as Wireshark
- Threat intelligence feeds for up-to-date attack vectors

This holistic approach equips red teamers with a comprehensive arsenal to simulate sophisticated attacks effectively.

Final Thoughts on Leveraging the RTFM Red Team Field Manual

Navigating the complexities of modern cybersecurity requires quick thinking and reliable resources. The RTFM Red Team Field Manual serves as a trusted companion, distilling vast amounts of technical knowledge into an accessible format that empowers red teamers to act decisively. Whether you're a beginner embarking on your offensive security journey or a seasoned operator sharpening your skills, this manual is a valuable asset to have on hand. As cyber threats evolve, tools like the RTFM manual help ensure that ethical hackers can stay one step ahead, armed with the right commands and techniques to protect organizations worldwide.

Frequently Asked Questions

What is the RTFM Red Team Field Manual?

The RTFM Red Team Field Manual is a concise reference guide designed for cybersecurity professionals, particularly red team operators and penetration testers, containing a collection of useful commands, scripts, and techniques for various phases of an engagement.

Who should use the RTFM Red Team Field Manual?

The manual is intended for red teamers, penetration testers, ethical hackers, and cybersecurity professionals who require quick access to practical commands and procedures during security assessments and attacks simulations.

What types of commands are included in the RTFM Red Team Field Manual?

The manual includes a wide range of commands covering Windows and Linux systems, networking, privilege

escalation, information gathering, lateral movement, and post-exploitation activities.

Is the RTFM Red Team Field Manual regularly updated?

Yes, the RTFM Red Team Field Manual is periodically updated by the community and its maintainers to include the latest techniques, tools, and commands relevant to current cybersecurity trends and threats.

Where can I download the RTFM Red Team Field Manual?

The RTFM Red Team Field Manual is freely available on GitHub and other cybersecurity resource platforms, allowing users to download it as a PDF or access it online for quick reference.

Additional Resources

RTFM Red Team Field Manual: An Essential Toolkit for Cybersecurity Professionals

RTFM red team field manual has become a staple reference among cybersecurity professionals, penetration testers, and red team operators. Designed as a concise, easy-to-navigate collection of commands, scripts, and techniques, this manual offers a practical resource for those involved in offensive security operations. In this article, we delve into the intricacies of the RTFM Red Team Field Manual, exploring its features, relevance, and how it compares to other cybersecurity tools in today's rapidly evolving threat landscape.

Understanding the RTFM Red Team Field Manual

The RTFM Red Team Field Manual (RTFM) is a command-line reference guide tailored specifically for red teams and penetration testers. Unlike voluminous textbooks or theoretical materials, RTFM is characterized by its brevity and focus on practical, "ready-to-use" commands that can be executed during engagement scenarios. This manual is often carried digitally on laptops or USB drives, serving as a quick reference during time-sensitive operations.

The manual covers a broad spectrum of operating systems and technologies, including Windows, Linux, and network utilities, ensuring that red team operators can efficiently pivot between environments. Its format is deliberately minimalist, prioritizing functionality over extensive explanations, which appeals to seasoned professionals who prefer rapid access to actionable information.

The Origin and Evolution of RTFM

Initially conceived as a simple cheat sheet, the RTFM Red Team Field Manual has evolved into a comprehensive repository of commands that reflect the dynamic nature of cybersecurity threats. The manual has been updated regularly to include new exploits, scripting shortcuts, and command variations aligned with emerging technologies and defense mechanisms.

Its open-source nature allows the cybersecurity community to contribute, refine, and expand its content, fostering collaboration and ensuring its relevance. This communal input distinguishes RTFM from proprietary manuals, which may lag behind in adapting to newly discovered vulnerabilities or techniques.

Key Features of the RTFM Red Team Field Manual

A detailed examination of the RTFM highlights several core features that make it indispensable:

- **Conciseness:** Commands are presented without verbose explanations, enabling rapid reference during critical moments.
- **Cross-Platform Coverage:** Includes command snippets for Windows CMD/PowerShell, Linux Bash, and network utilities such as Nmap and Netcat.
- **Practicality:** Focus on commands that are commonly used in reconnaissance, exploitation, privilege escalation, and post-exploitation phases.
- **Portability:** The manual's format is lightweight, often available as a plain text file or PDF, making it easy to carry on portable media.
- **Community-Driven Updates:** Regular contributions from security professionals ensure that it remains up to date with the latest tactics.

These features collectively ensure that RTFM serves as a quick-access arsenal for red teamers who must operate efficiently under pressure while navigating complex target environments.

Comparing RTFM with Other Red Team Resources

While the RTFM Red Team Field Manual is undeniably useful, it is one piece of a larger ecosystem of red team tools and documentation. Comprehensive guides like the "Penetration Testing Execution Standard" (PTES) or the "MITRE ATT&CK Framework" provide strategic and procedural insights that complement the tactical command reference RTFM offers.

Similarly, tools such as "CrackMapExec," "Metasploit," and "PowerSploit" focus on automation and exploitation rather than manual command execution. RTFM, by contrast, emphasizes manual command-line precision — a vital skill when automated tools are detected or blocked.

In practice, many red team professionals integrate RTFM within their broader toolkit to ensure they have quick command references at hand when automation fails or when custom command execution is required to evade detection.

Practical Applications in Red Team Operations

The RTFM Red Team Field Manual proves particularly valuable across several operational stages:

Reconnaissance and Information Gathering

Early in an engagement, gathering intel about the target environment is critical. RTFM offers commands for network scanning, port enumeration, and service identification. For example, quick Nmap commands allow red teamers to identify open ports and running services, while PowerShell snippets enable querying system configurations.

Exploitation and Privilege Escalation

Once initial access is gained, escalating privileges and maintaining persistence become priorities. RTFM includes commands for checking user privileges, enumerating system information, and manipulating services. Commands for

exploiting misconfigurations or known vulnerabilities are also included, providing a tactical edge during live operations.

Post Exploitation and Lateral Movement

After securing a foothold, moving laterally through the network requires versatile command knowledge. The manual contains snippets for interacting with Windows Management Instrumentation (WMI), executing remote commands via SMB, and extracting credentials with built-in Windows tools. These allow red teamers to navigate complex environments stealthily.

Advantages and Limitations of the RTFM Red Team Field Manual

Like any tool, RTFM has its pros and cons that influence its effectiveness in different scenarios.

Advantages

1. **Speed and Efficiency:** The concise format accelerates command retrieval, saving precious time during engagements.
2. **Low Resource Footprint:** Being a simple text-based manual, it requires no installation or dependencies, making it usable on virtually any system.
3. **Broad Command Coverage:** The inclusion of commands across multiple platforms and phases of an operation enhances versatility.
4. **Community Trust:** Its open-source nature ensures transparency and continuous improvement.

Limitations

1. **Lack of Context:** The minimal explanations may challenge less experienced users, who might require more comprehensive guides.
2. **Static Nature:** Although regularly updated, the manual can never fully replace dynamic, interactive learning or automated tools.
3. **Limited Visual Aids:** Absence of diagrams or workflow illustrations can reduce usability for complex techniques.

Despite these limitations, the RTFM remains a favored quick-reference resource that complements more detailed educational materials and toolsets.

Where to Access and How to Use the RTFM Red Team Field Manual

The RTFM Red Team Field Manual is widely available on platforms like GitHub, where security professionals can download the latest versions or contribute to its development. The manual is typically distributed in formats such as plain text (.txt) or PDF, ensuring compatibility with most devices.

To maximize its utility, red teamers often customize their copies by adding frequently used commands or notes relevant to their specific operational environment. Additionally, integrating RTFM into tools like Vim or Emacs allows for quick keyword searches, further speeding up command retrieval.

Security teams also use RTFM as a training aid, helping new members become familiar with essential command-line operations and reinforcing best practices in offensive security.

The Future of RTFM in Cybersecurity

As cybersecurity threats continue to evolve, so do the tools and manuals used by professionals. The RTFM Red Team Field Manual exemplifies the enduring value of concise, practical knowledge in a field often dominated by complex automation. Emerging trends such as cloud security, container environments, and AI-driven defenses may prompt further expansion of RTFM content to cover these areas.

Moreover, there is potential for interactive or enhanced digital versions of RTFM that incorporate search functionality, live examples, or integration with cyber range platforms. Such developments would maintain the manual's core strength — accessibility — while enhancing its adaptability to future challenges.

In the meantime, the RTFM Red Team Field Manual stands as an essential, trusted companion for cybersecurity professionals operating on the front lines of digital defense and offense. Its blend of simplicity, breadth, and community-driven evolution ensures it remains a cornerstone reference for those tasked with probing and securing complex digital infrastructures.

Rtfm Red Team Field Manual

rtfm red team field manual: *Rtfm* Ben Clark, 2014-02-11 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.

rtfm red team field manual: *RTFM: Red Team Field Manual v2* , 2022

rtfm red team field manual: *CompTIA PenTest+ Study Guide* Mike Chapple, David Seidl, 2018-10-15 World-class preparation for the new PenTest+ exam The CompTIA PenTest+ Study Guide: Exam PT0-001 offers comprehensive preparation for the newest intermediate cybersecurity

certification exam. With expert coverage of Exam PT0-001 objectives, this book is your ideal companion throughout all stages of study; whether you're just embarking on your certification journey or finalizing preparations for the big day, this invaluable resource helps you solidify your understanding of essential skills and concepts. Access to the Sybex online learning environment allows you to study anytime, anywhere with electronic flashcards, a searchable glossary, and more, while hundreds of practice exam questions help you step up your preparations and avoid surprises on exam day. The CompTIA PenTest+ certification validates your skills and knowledge surrounding second-generation penetration testing, vulnerability assessment, and vulnerability management on a variety of systems and devices, making it the latest go-to qualification in an increasingly mobile world. This book contains everything you need to prepare; identify what you already know, learn what you don't know, and face the exam with full confidence! Perform security assessments on desktops and mobile devices, as well as cloud, IoT, industrial and embedded systems Identify security weaknesses and manage system vulnerabilities Ensure that existing cybersecurity practices, configurations, and policies conform with current best practices Simulate cyberattacks to pinpoint security weaknesses in operating systems, networks, and applications As our information technology advances, so do the threats against it. It's an arms race for complexity and sophistication, and the expansion of networked devices and the Internet of Things has integrated cybersecurity into nearly every aspect of our lives. The PenTest+ certification equips you with the skills you need to identify potential problems—and fix them—and the CompTIA PenTest+ Study Guide: Exam PT0-001 is the central component of a complete preparation plan.

rtfm red team field manual: Tribe of Hackers Security Leaders Marcus J. Carey, Jennifer Jin, 2020-04-01 Tribal Knowledge from the Best in Cybersecurity Leadership The Tribe of Hackers series continues, sharing what CISSPs, CISOs, and other security leaders need to know to build solid cybersecurity teams and keep organizations secure. Dozens of experts and influential security specialists reveal their best strategies for building, leading, and managing information security within organizations. Tribe of Hackers Security Leaders follows the same bestselling format as the original Tribe of Hackers, but with a detailed focus on how information security leaders impact organizational security. Information security is becoming more important and more valuable all the time. Security breaches can be costly, even shutting businessesand governments down, so security leadership is a high-stakes game. Leading teams of hackers is not always easy, but the future of your organization may depend on it. In this book, the world's top security experts answer the questions that Chief Information Security Officers and other security leaders are asking, including: What's the most important decision you've made or action you've taken to enable a business risk? How do you lead your team to execute and get results? Do you have a workforce philosophy or unique approach to talent acquisition? Have you created a cohesive strategy for your information security program or business unit? Anyone in or aspiring to an information security leadership role, whether at a team level or organization-wide, needs to read this book. Tribe of Hackers Security Leaders has the real-world advice and practical guidance you need to advance your cybersecurity leadership career.

rtfm red team field manual: *Network Security Strategies* Aditya Mukherjee, 2020-11-06 Build a resilient network and prevent advanced cyber attacks and breaches Key Features Explore modern cybersecurity techniques to protect your networks from ever-evolving cyber threats Prevent cyber attacks by using robust cybersecurity strategies Unlock the secrets of network security Book Description With advanced cyber attacks severely impacting industry giants and the constantly evolving threat landscape, organizations are adopting complex systems to maintain robust and secure environments. Network Security Strategies will help you get well-versed with the tools and techniques required to protect any network environment against modern cyber threats. You'll understand how to identify security vulnerabilities across the network and how to effectively use a variety of network security techniques and platforms. Next, the book will show you how to design a robust network that provides top-notch security to protect against traditional and new evolving attacks. With the help of detailed solutions and explanations, you'll be able to monitor networks skillfully and identify potential risks. Finally, the book will cover topics relating to thought

leadership and the management aspects of network security. By the end of this network security book, you'll be well-versed in defending your network from threats and be able to consistently maintain operational efficiency, security, and privacy in your environment. What you will learn Understand network security essentials, including concepts, mechanisms, and solutions to implement secure networks Get to grips with setting up and threat monitoring cloud and wireless networks Defend your network against emerging cyber threats in 2020 Discover tools, frameworks, and best practices for network penetration testing Understand digital forensics to enhance your network security skills Adopt a proactive approach to stay ahead in network security Who this book is for This book is for anyone looking to explore information security, privacy, malware, and cyber threats. Security experts who want to enhance their skill set will also find this book useful. A prior understanding of cyber threats and information security will help you understand the key concepts covered in the book more effectively.

rtfm red team field manual: Hacking APIs Corey J. Ball, 2022-07-12 Hacking APIs is a crash course in web API security testing that will prepare you to penetration-test APIs, reap high rewards on bug bounty programs, and make your own APIs more secure. Hacking APIs is a crash course on web API security testing that will prepare you to penetration-test APIs, reap high rewards on bug bounty programs, and make your own APIs more secure. You'll learn how REST and GraphQL APIs work in the wild and set up a streamlined API testing lab with Burp Suite and Postman. Then you'll master tools useful for reconnaissance, endpoint analysis, and fuzzing, such as Kiterunner and OWASP Amass. Next, you'll learn to perform common attacks, like those targeting an API's authentication mechanisms and the injection vulnerabilities commonly found in web applications. You'll also learn techniques for bypassing protections against these attacks. In the book's nine guided labs, which target intentionally vulnerable APIs, you'll practice: Enumerating APIs users and endpoints using fuzzing techniques Using Postman to discover an excessive data exposure vulnerability Performing a JSON Web Token attack against an API authentication process Combining multiple API attack techniques to perform a NoSQL injection Attacking a GraphQL API to uncover a broken object level authorization vulnerability By the end of the book, you'll be prepared to uncover those high-payout API bugs other hackers aren't finding and improve the security of applications on the web.

rtfm red team field manual: Tribe of Hackers Marcus J. Carey, Jennifer Jin, 2019-07-23 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 (9781793464187). 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. Tribe of Hackers: Cybersecurity Advice from the Best Hackers in the World is your guide 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 Carhart, 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 make the move from the corporate world to your own cybersecurity venture Find your favorite hackers 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.

rtfm red team field manual: Raspberry Pi 5 System Administration Basics Robert M. Koretsky, 2025-11-11 This book covers Raspberry Pi 5 OS concepts and commands that allow a beginner to

perform essential system administration and other operations. This is a mandatory set of commands that even an ordinary, non-administrative user would need to know to work efficiently in a character text-based interface (CUI) or in a graphical interface (GUI) to the operating system. Each chapter contains sequential, in-line exercises that reinforce the material that comes before them. The code for the book and solutions to the in-chapter exercises can be found at the following link: www.github.com/bobk48/Raspberry-Pi-5-OS. The first introductory chapter illustrates a basic set of text-based commands which are the predominant means that a system administrator uses to maintain the integrity of the system. User account control is an example of the fundamental integrity aspect of administration, requiring the addition of users and groups while maintaining secure access. Storage solutions involve integrating persistent media such as USB3 SSDs and NVMe drives, ensuring proper file system classification based on physical or virtual media, including NFSv4 and iSCSI setups. The second chapter, which is the core of the book, covers many critical and pertinent system administration commands and facilities. For example, how to attach additional media to the Raspberry Pi 5 and how to install and boot the Raspberry Pi 5 from an NVMe SSD, rather than from the traditional microSD card medium. This chapter also covers many advanced topics to expand the beginner's knowledge of system maintenance and control. The third chapter shows how system administration is streamlined with systemd, which allows efficient service management. The systemd superkernel is a powerful initialization and service management framework that has revolutionized Linux system administration. It introduces a structured approach to system control through sub-commands and applications, enhancing system efficiency. At its core, systemd units and unit files serve as essential building blocks, defining system behavior. The fourth chapter gives a basic introduction to the Python 3 programming language, with a complete explication of the syntax of the language, and many illustrative examples.

rtfm red team field manual: *The Cybersecurity Workforce of Tomorrow* Michael Nizich, 2023-07-31 The Cybersecurity Workforce of Tomorrow discusses the current requirements of the cybersecurity worker and analyses the ways in which these roles may change in the future as attacks from hackers, criminals and enemy states become increasingly sophisticated.

rtfm red team field manual: *Raspberry Pi OS System Administration with systemd and Python* Robert M. Koretsky, 2023-12-26 The second in a new series exploring the basics of Raspberry Pi Operating System administration, this installment builds on the insights provided in Volume 1 to provide a compendium of easy-to-use and essential Raspberry Pi OS system administration for the novice user, with specific focus on Python and Python3. The overriding idea behind system administration of a modern, 21st-century Linux system such as the Raspberry Pi OS is the use of systemd to ensure that the Linux kernel works efficiently and effectively to provide these three foundation stones of computer operation and management: computer system concurrency, virtualization, and secure persistence. Exercises are included throughout to reinforce the readers' learning goals with solutions and example code provided on the accompanying GitHub site. This book is aimed at students and practitioners looking to maximize their use of the Raspberry Pi OS. With plenty of practical examples, projects, and exercises, this volume can also be adopted in a more formal learning environment to supplement and extend the basic knowledge of a Linux operating system.

rtfm red team field manual: GCIH GIAC Certified Incident Handler All-in-One Exam Guide Nick Mitropoulos, 2020-08-21 This self-study guide delivers complete coverage of every topic on the GIAC Certified Incident Handler exam Prepare for the challenging GIAC Certified Incident Handler exam using the detailed information contained in this effective exam preparation guide. Written by a recognized cybersecurity expert and seasoned author, GCIH GIAC Certified Incident Handler All-in-One Exam Guide clearly explains all of the advanced security incident handling skills covered on the test. Detailed examples and chapter summaries throughout demonstrate real-world threats and aid in retention. You will get online access to 300 practice questions that match those on the live test in style, format, and tone. Designed to help you prepare for the exam, this resource also serves as an ideal on-the-job reference. Covers all exam topics, including: Intrusion analysis and incident

handling Information gathering Scanning, enumeration, and vulnerability identification Vulnerability exploitation Infrastructure and endpoint attacks Network, DoS, and Web application attacks Maintaining access Evading detection and covering tracks Worms, bots, and botnets Online content includes: 300 practice exam questions Test engine that provides full-length practice exams and customizable quizzes

rtfm red team field manual: API 해킹의 모든 것 코리 볼 (Corey Ball), 2023-09-15 칼리 리눅스 실습과 함께 배우는 차세대 웹 보안 취약점 정복 API 대상 공격은 해마다 크게 증가하고 있고, 2022년에는 모든 공격의 과반을 넘어섰다는 보고서도 나왔다. API는 전체 인터넷 트래픽의 80% 이상을 차지할 정도로 사용량이 폭발적으로 증가했지만, 상대적으로 보안이 미비하여 확장된 공격 표면이 공격자들의 손쉬운 표적이 되고 있다. API 보안의 중요성이 높아지는 가운데, API 해킹의 이론과 실제를 포괄적으로 정리한 것이 이 책이다. 1부에서는 웹 애플리케이션 작동 원리, REST/그래프QL 웹 API의 구조, 그리고 정보 누출, BOLA, BFLA, 대량 할당, 주입(인젝션) 등 널리 알려진 API 취약점들을 살펴보며 보안 기초를 쌓는다. 2부에서는 실습을 위해 가상 머신에 칼리 리눅스를 설치하고 공격 및 대상 시스템을 구축한다. 버프 스위트와 포스트맨 등 주요 해킹 툴을 소개하고, 대상 시스템에는 crAPI나 DVGA 등 취약한 애플리케이션을 설치해 실습을 준비한다. 3부는 앞에서 소개한 툴들을 사용해 발견, 사전 조사, 엔드포인트 분석, 인증/인가 공격, 퍼징(fuzzing) 등 실제로 API 공격을 실습한다. 거의 모든 공격 단계에서 쓰이는 버프 스위트와 포스트맨 외에 어매스, Nmap, 닉토, ZAP, 고버스터, 카이트러너, W퍼즈, 아르준 등 각종 툴을 어떤 공격 단계에서 어떻게 사용하는지 익힐 수 있다. 무차별 대입, JWT 악용, XSS, SQL 주입 등 고전적인 공격에 익숙하다면 이들이 API 세계에서 어떻게 응용되는지도 흥미로울 것이다. 4부는 API 보안 컨트롤 및 속도 제한 우회, 그래프QL 공격, 그리고 기업들의 실제 침해 혹은 버그 현상금(바운티) 사례를 살펴본다. 매뉴얼 성격의 딱딱함이 아니라 어떻게든 조그마한 빈틈을 찾아내고 파고들려는 공격자의 치밀함이 돋보이는 책이다. 알려진 모든 유형의 API 공격을 다룬다는 점에서 실무자에게는 더할 나위 없는 레퍼런스가 될 테고, 보안 테스트와 웹 애플리케이션의 기초도 다루기 때문에 초보자도 순서대로 정독하기만 한다면 API 해킹에 뛰어들 수 있을 것이다. 주요 내용 -웹 애플리케이션의 작동 방식을 이해하고 웹 API를 해부해서 들여다보기 -해커의 관점에서 최상의 API 취약점 마스터하기 -가장 효과적인 해킹 도구들 익히기 -수동적, 능동적 API 사전 조사로 API를 발견하고, 노출된 비밀을 찾고, API 기능을 분석하기 -API와 상호작용하며 퍼징(fuzzing)의 위력을 테스트하기 -다양한 공격을 퍼부어 찾아낸 API 취약점을 악용하기

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