Computer Networks and Intelligent Computing
Forensics in Telecommunications, Information and Multimedia

SQL Injection Exploit

This concise, high-end guide shows experienced administrators how to customize and extend popular open source security tools such as Nikto, Ettercap, and Nessus. It also addresses port scanners, packet injectors, and Incident Handling.

SQL Injection Strategies

PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES! Hacker Techniques, Tools, and Incident Handling begins with an examination of the landscape, key terms, and concepts that a security professional needs to know about hackers and computer criminals who break into networks, steal information, and corrupt data. It goes on to review the technical overview of hacking: how attacks target networks and the methodology they follow. The final section studies those methods that are most effective when dealing with hacking attacks, especially in an age of increased reliance on the Web. Written by a subject matter expert with numerous real-world examples, Hacker Techniques, Tools, and Incident Handling provides readers with a clear, comprehensive introduction to the many threats on our Internet environment and security and what can be done to combat them.

Detection of Intrusions and Malware, and Vulnerability Assessment

This concise, high-end guide shows experienced administrators how to customize and extend popular open source security tools such as Nikto, Ettercap, and Nessus. It also addresses port scanners, packet injectors,
network sniffers, and web assessment tools.

From Hacking to Report Writing

Learn how to attack and defend the world’s most popular web server platform Linux Server Security: Hack and Defend presents a detailed guide for experienced admins, aspiring hackers and other IT professionals seeking a more advanced understanding of Linux security. Written by a 20-year veteran of Linux server deployment this book provides the insight of experience along with highly practical instruction. The topics range from the theory of past, current, and future attacks, to the mitigation of a variety of online attacks, all the way to empowering you to perform numerous malicious attacks yourself (in the hope that you will learn how to defend against them). By increasing your understanding of a hacker’s tools and mindset you’re less likely to be confronted by the all-too-common reality faced by many admins these days: someone else has control of your systems. Master hacking tools and launch sophisticated attacks: perform SQL injections, deploy multiple server exploits and crack complex passwords. Defend systems and networks: make your servers invisible, be confident of your security with penetration testing and repel unwelcome attackers. Increase your background knowledge of attacks on systems and networks and improve all-important practical skills required to secure any Linux server. The techniques presented apply to almost all Linux distributions including the many Debian and Red Hat derivatives and some other Unix-type systems. Further your career with this intriguing, deeply insightful, must-have technical book. Diverse, broadly-applicable and hands-on practical, Linux Server Security: Hack and Defend is an essential resource which will sit proudly on any techie's bookshelf.

Gray Hat C#

It is becoming increasingly important to design and develop adaptive, robust, scalable, reliable, security and privacy mechanisms for IoT applications and for Industry 4.0 related concerns. This book serves as a useful guide for researchers and industry professionals and will help beginners to learn the basics to the more advanced topics. Along with exploring security and privacy issues through the IoT ecosystem and examining its implications to the real-world, this book addresses cryptographic tools and techniques and presents the basic and high-level concepts that can serve as guidance for those in the industry as well as help beginners get a handle on both the basic and advanced aspects of security related issues. The book goes on to cover major challenges, issues, and advances in IoT and discusses data processing as well as applications for solutions, and assists in developing self-adaptive cyberphysical security systems that will help with issues brought about by new technologies within IoT and Industry 4.0. This edited book discusses the evolution of IoT and Industry 4.0 and brings security and privacy related technological tools and techniques onto a single platform so that researchers, industry professionals, graduate, postgraduate students, and academicians can easily understand the security, privacy, challenges and opportunity concepts and make then ready to use for applications in IoT and Industry 4.0.

Linux Firewalls

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

ABCD OF HACKING

This Short Cut introduces you to how SQL injection vulnerabilities work, what makes applications vulnerable, and how to protect them. It helps you find your vulnerabilities with analysis and testing tools and describes simple approaches for fixing them in the most popular web-programming languages. This Short Cut also helps you protect your live applications by describing how to monitor for and block attacks before your data is stolen. Hacking is an increasingly criminal enterprise, and web applications are an attractive path to identity theft. If the applications you build, manage, or guard are a path to sensitive data, you must protect your applications and their users from this growing threat.

Detection of Intrusions and Malware, and Vulnerability Assessment

HTML5 -- HTML injection & cross-site scripting (XSS) -- Cross-site request forgery (CSRF) -- SQL injection & data store manipulation -- Breaking authentication schemes -- Abusing design deficiencies -- Leveraging platform weaknesses -- Browser & privacy attacks.

Web Application Vulnerabilities

This book constitutes the refereed proceedings of the 6th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, DIMVA 2009, held in Milan, Italy, in July 2009. The 10 revised full papers presented together with three extended abstracts were carefully selected from 44 initial submissions.
The papers are organized in topical sections on malware and SPAM, emulation-based detection, software diversity, harnessing context, and anomaly detection.

SQL Injection Defenses

Learn to use C#’s powerful set of core libraries to automate tedious yet important tasks like performing vulnerability scans, malware analysis, and incident response. With some help from Mono, you can write your own practical security tools that will run on Mac, Linux, and even mobile devices. Following a crash course in C# and some of its advanced features, you’ll learn how to: Write fuzzers that use the HTTP and XML libraries to scan for SQL and XSS injection -Generate shellcode in Metasploit to create cross-platform and cross-architecture payloads -Automate Nessus, OpenVAS, and sqlmap to scan for vulnerabilities and exploit SQL injections -Write a .NET decompiler for Mac and Linux -Parse and read offline registry hives to dump system information -Automate the security tools Arachni and Metasploit using their MSGPACK RPCs Streamline and simplify your work day with Gray Hat C# and C#’s extensive repertoire of powerful tools and libraries.

Learning Python Web Penetration Testing

This book reports on the latest research and developments in the field of cybersecurity, placing special emphasis on personal security and new methods for reducing human error and increasing cyber awareness, as well as innovative solutions for increasing the security of advanced Information Technology (IT) infrastructures. It covers a broad range of topics, including methods for human training; novel Cyber-Physical and Process-Control Systems; social, economic, and behavioral aspects of cyberspace; issues concerning the cybersecurity index; security metrics for enterprises; risk evaluation, and many others. Based on the AHFE 2017 International Conference on Human Factors in Cybersecurity, held on July 17–21, 2017, in Los Angeles, California, USA, the book not only presents innovative cybersecurity technologies, but also discusses emerging threats, current gaps in the available systems, and future challenges that may be successfully overcome with the help of human factors research.

Ethical Hacking and Countermeasures: Web Applications and Data Servers

In today’s world, SQL Injection is a serious security threat over the Internet for the various dynamic web applications residing over the internet. These Web applications conduct many vital processes in various web-based businesses. As the use of internet for various online services is rising, so is the security threats present in the web increasing. There is a universal need present for all dynamic web applications and this universal need is the need to store, retrieve or manipulate information from a database. Most of systems which manage the databases and its requirements such as MySQL Server and PostgreSQL use SQL as their language. Flexibility of SQL makes it a powerful language. It allows its users to ask what he/she wants without leaking any information about how the data will be fetched. However the vast use of SQL based databases has made it the center of attention of hackers. They take advantage of the poorly coded Web applications to attack the databases. They introduce an apparent SQL query, through an unauthorized user input, into the legitimate query statement. In this paper, we have tried to present a comprehensive review of all the different types of SQL injection attacks present, as well as detection of such attacks and preventive measure used. We have highlighted their individual strengths and weaknesses. Such a classification would help other researchers to choose the right technique for further studies.

Sailing Safe in Cyberspace

Leverage the simplicity of Python and available libraries to build web security testing tools for your application Key Features Understand the web application penetration testing methodology and toolkit using Python Write a web crawler/spider with the Scrapy library Detect and exploit SQL injection vulnerabilities by creating a script all by yourself Book Description Web penetration testing is the use of tools and code to attack a website or web app in order to assess its vulnerability to external threats. While there are an increasing number of sophisticated, ready-made tools to scan systems for vulnerabilities, the use of Python allows you to write system-specific scripts, or alter and extend existing testing tools to find, exploit, and record as many security weaknesses as possible. Learning Python Web Penetration Testing will walk you through the web application penetration testing methodology, showing you how to write your own tools with Python for each activity throughout the process. The book begins by emphasizing the importance of knowing how to write your own tools with Python for web application penetration testing. You will then learn to interact with a web application using Python, understand the anatomy of an HTTP request, URL, headers and message body, and later create a script to perform a request, and interpret the response and its headers. As you make your way through the book, you will write a web crawler using Python and the Scrapy library. The book will also help you to develop a tool to perform brute force attacks in different parts of the web application. You will then discover more on detecting and exploiting SQL injection vulnerabilities. By the end of this book, you will have successfully created an HTTP proxy based on the mitmproxy tool. What you will learn Interact with a web application using the Python and Requests libraries Create a basic web application crawler and make it recursive Develop a brute force tool to discover and enumerate resources such as files and directories Explore different authentication methods commonly used in web applications Enumerate table names from a database using SQL injection Understand the web application penetration testing methodology and toolkit Who this book is for Learning Python Web Penetration Testing is for web developers who want to step into the world of web application security testing. Basic knowledge of Python is necessary.

Some Tutorials in Computer Networking Hacking

Sailing Safe in Cyberspace is an excellent resource on safe computing. It gives in-depth exposure to the various
ways in which security of information might be compromised, how cybercrime markets work and measures that can be taken to ensure safety at individual and organizational levels. Cyber security is not just a technical subject that can be resolved like any other IT-related problem—it is a ‘risk’ that can be mitigated by creating awareness and getting the right combination of technology and practices based on careful analysis. This book combines insights on cybersecurity from academic research, media reports, vendor reports, practical consultation and research experience. The first section of the book discusses motivation and types of cybercrimes that can take place. The second lists the major types of threats that users might encounter. The third discusses the impact, trend and role of the government in combating cybercrime. The fourth section of the book tells the readers about ways to protect themselves and secure their data/information stored in computers and the cyberspace. It concludes by offering suggestions for building a secure cyber environment.

**Network Security Tools**

**Hacker Techniques, Tools, and Incident Handling**

Learn to use C#’s powerful set of core libraries to automate tedious yet important tasks like performing vulnerability scans, malware analysis, and incident response. With some help from Mono, you can write your own practical security tools that will run on Mac, Linux, and even mobile devices. Following a crash course in C# and some of its advanced features, you’ll learn how to: -Write fuzzers that use the HTTP and XML libraries to scan for SQL and XSS injection -Generate shellcode in Metasploit to create cross-platform and cross-architecture payloads -Automate Nessus, OpenVAS, and sqlmap to scan for vulnerabilities and exploit SQL injections -Write a .NET decompiler for Mac and Linux -Parse and read offline registry hives to dump system information -Automate the security tools Arachni and Metasploit using their MSGPACK RPCs Streamline and simplify your work day with Gray Hat C# and C#’s extensive repertoire of powerful tools and libraries.

**Cybersecurity**


**Heuristic and Knowledge-Based Security Checks of Source Code Artifacts Using Community Knowledge**

"Automated SQL injection detection and exploitation has never been easier! This course will teach you how to find SQL injections in minutes with sqlmap. First, you will learn about the basics of this tool. Then, I will show you how to dump database table entries with sqlmap. After that, you will explore how to install a backdoor with sqlmap and how to go from SQL injection to remote code execution. Then, you will see how to maximize the power of SQL injection detection with this tool. Finally, you will learn how to use tamper scripts in this tool to bypass web application firewalls (WAF). By the end of the course, you will know how to automatically detect and exploit SQL injection vulnerabilities with sqlmap."--Resource description page.

**The Web Application Hacker's Handbook**

**Hack the world - Ethical Hacking**

Learn everything you need to know to become a professional security and penetration tester. It simplifies hands-on security and penetration testing by breaking down each step of the process so that finding vulnerabilities and misconfigurations becomes easy. The book explains how to methodically locate, exploit, and professionally report security weaknesses using techniques such as SQL-injection, denial-of-service attacks, and password hacking. Although From Hacking to Report Writing will give you the technical know-how needed to carry out advanced security tests, it also offers insight into crafting professional looking reports describing your work and how your customers can benefit from it. The book will give you the tools you need to clearly communicate the benefits of high-quality security and penetration testing to IT-management, executives and other stakeholders. Embedded in the book are a number of on-the-job stories that will give you a good understanding of how you can apply what you have learned to real-world situations. We live in a time where computer security is more important than ever. Staying one step ahead of hackers has never been a bigger challenge. From Hacking to Report Writing clarifies how you can sleep better at night knowing that your network has been thoroughly tested. What you’ll learn Clearly understand why security and penetration testing is important Find vulnerabilities in any system using the same techniques as hackers do Write professional looking reports Know which security and penetration testing method to apply for any given situation Successfully hold together a security and penetration test project Who This Book Is For Aspiring security and penetration testers, security consultants, security and penetration testers, IT managers, and security researchers.

**SQL Injection Attacks and Defense**

How secure is your network? The best way to find out is to attack it. Network Security Assessment provides you with the tricks and tools professional security consultants use to identify and assess risks in Internet-based networks—the same penetration testing model they use to secure government, military, and commercial networks. With this book, you can adopt, refine, and reuse this testing model to design and deploy networks that are hardened and immune from attack. Network Security Assessment demonstrates how a determined
Attacker scour Internet-based networks in search of vulnerable components, from the network to the application level. This new edition is up-to-date on the latest hacking techniques, but rather than focus on individual issues, it looks at the bigger picture by grouping and analyzing threats at a high-level. By grouping threats in this way, you learn to create defensive strategies against entire attack categories, providing protection now and into the future. Network Security Assessment helps you assess: Web services, including Microsoft IIS, Apache, Tomcat, and subsystems such as OpenSSL, Microsoft FrontPage, and Outlook Web Access (OWA) Web application technologies, including ASP, JSP, PHP, middleware, and backend databases such as MySQL, Oracle, and Microsoft SQL Server Microsoft Windows networking components, including RPC, NetBIOS, and CIFS services SMTP, POP3, and IMAP email services IP services that provide secure inbound network access, including IPsec, Microsoft PPTP, and SSL VPNs Unix RPC services on Linux, Solaris, IRIX, and other platforms Various types of application-level vulnerabilities that hacker tools and scripts exploit Assessment is the first step any organization should take to start managing information risks correctly. With techniques to identify and assess risks in line with CESG CHECK and NSA IAM government standards, Network Security Assessment gives you a precise method to do just that.

The Web Application Hacker's Handbook

Learn to exploit vulnerable database applications using SQL injection tools and techniques, while understanding how to effectively prevent attacks

Key Features Understand SQL injection and its effects on websites and other systems Get hands-on with SQL injection using both manual and automated tools Explore practical tips for various attack and defense strategies relating to SQL injection

Book Description SQL injection (SQLi) is probably the most infamous attack that can be unleashed against applications on the internet. SQL Injection Strategies is an end-to-end guide for beginners looking to learn how to perform SQL injection and test the security of web applications, websites, or databases, using both manual and automated techniques. The book serves as both a theoretical and practical guide to take you through the important aspects of SQL injection, both from an attack and a defense perspective. You'll start with a thorough introduction to SQL injection and its impact on websites and systems. Later, the book features steps to configure a virtual environment, so you can try SQL injection techniques safely on your own computer. These tests can be performed not only on web applications but also on web services and mobile applications that can be used for managing IoT environments. Tools such as sqmap and others are then covered, helping you understand how to use them effectively to perform SQL injection attacks. By the end of this book, you will be well-versed with SQL injection, from both the attack and defense perspective. What you will learn Focus on how to defend against SQL injection attacks Understand web application security Get up and running with a variety of SQL injection concepts Become well-versed with different SQL injection scenarios Discover SQL injection manual attack techniques Delve into SQL injection automated techniques

Who this book is for This book is ideal for penetration testers, ethical hackers, or anyone who wants to learn about SQL injection and the various attack and defense strategies against this web security vulnerability. No prior knowledge of SQL injection is needed to get started with this book.

Sql Injection Best Method For Beginners


Linux Server Security

This book constitutes the refereed proceedings of the 13th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, DIMVA 2016, held in San Sebastián, Spain, in July 2016. The 19 revised full papers and 2 extended abstracts presented were carefully reviewed and selected from 66 submissions. They present the state of the art in intrusion detection, malware analysis, and vulnerability assessment, dealing with novel ideas, techniques, and applications in important areas of computer security including vulnerability detection, attack prevention, web security, malware detection and classification, authentication, data leakage prevention, and countering evasive techniques such as obfuscation.

The Web Application Hacker's Handbook
The goal of this dissertation is to support developers in applying security checks using community knowledge. Artificial intelligence approaches combined with natural language processing techniques are employed to identify security-related information from community websites such as Stack Overflow or GitHub. All security-related information is stored in a security knowledge base. This knowledge base provides code fragments that represent the community’s knowledge about vulnerabilities, security-patches, and exploits. Comprehensive knowledge is required to carry out security checks on software artifacts, such as data covering known vulnerabilities and their manifestation in the source code as well as possible attack strategies. Approaches that check software libraries and source code fragments are provided for the automated use of the data. Insecure software libraries can be detected using the NVD combined with metadata and library file hash approaches introduced in this dissertation. Vulnerable source code fragments can be identified using community knowledge represented by code fragments extracted from the largest coding community websites: Stack Overflow and GitHub. A state-of-the-art clone detection approach is modified and enriched by several heuristics to enable vulnerability detection and leverage community knowledge while maintaining good performance. Using various case studies, the approaches implemented in Eclipse plugins and a JIRA plugin are adapted to the users’ needs and evaluated.

Een goede raad

Wanneer Barry Fairbrother onverwacht stervt, zijn de bewoners van Pagford geschokt. Pagford is ogenschijnlijk een idyllisch Engels plattelandsdorp, met een charmant marktleven en een oude abdij, maar achter die fraaie façade gaan grote conflicten schuil. Tussen rijk en arm, tieners en hun ouders, vrouwen en hun echtgenoten, leraren en hun leerlingen In Pagford is niets wat het lijkt. De lege stoel die Barry achterlaat in de gemeenteraad is de aanleiding tot de grootste strijd die het dorp ooit heeft gekend. Wie zal zegevieren in deze verkiezingen vol opportunisme, valsheid en schokkende onthullingen?

Automated Exploit Generation for SQL Injection Attacks

This book introduces the Process for Attack Simulation & Threat Analysis (PASTA) threat modeling methodology. It provides an introduction to various types of application threat modeling and introduces a risk-centric methodology aimed at applying security-countermeasures that are commensurate to the possible impact that could be sustained from defined threat models, vulnerabilities, weaknesses, and attack patterns. This book describes how to apply application threat modeling as an advanced preventive form of security. The authors discuss the methodologies, tools, and case studies of successful application threat modeling techniques. Chapter 1 provides an overview of threat modeling, while Chapter 2 describes the objectives and benefits of threat modeling. Chapter 3 focuses on existing threat modeling approaches, and Chapter 4 discusses integrating threat modeling within the different types of Software Development Life Cycles (SDLCs). Threat modeling and risk management is the focus of Chapter 5. Chapter 6 and Chapter 7 examine Processes for Attack Simulation and Threat Analysis (PASTA). Finally, Chapter 8 shows how to use the PASTA risk-centric threat modeling process to analyze the risks of specific threat agents targeting web applications. This chapter focuses specifically on the web application assets that include customer’s confidential data and business critical functionality that the web application provides. • Provides a detailed walkthrough of the PASTA methodology alongside software development activities, normally conducted via a standard SDLC process • Offers precise steps to take when combating threats to businesses • Examines real-life data breach incidents and lessons for risk management

Risk Centric Threat Modeling: Process for Attack Simulation and Threat Analysis is a resource for software developers, architects, technical risk managers, and seasoned security professionals.

Bug Bounty Hunting for Web Security

This book constitutes the refereed proceedings of the 5th International Conference on Information Processing, ICIP 2011, held in Bangalore, India, in August 2011. The 86 revised full papers presented were carefully reviewed and selected from 514 submissions. The papers are organized in topical sections on data mining; Web mining; artificial intelligence; soft computing; software engineering; computer communication networks; wireless networks; distributed systems and storage networks; signal processing; image processing and pattern recognition.

How Hackers Find SQL Injections in Minutes with Sqlmap

In this book, we aim to describe how to make a computer bend to your will by finding and exploiting vulnerabilities specifically in Web applications. We will describe common security issues in Web applications, tell you how to find them, describe how to exploit them, and then tell you how to fix them. We will also cover how and why some hackers (the bad guys) will try to exploit these vulnerabilities to achieve their own end. We will also try to explain how to detect if hackers are actively trying to exploit vulnerabilities in your own Web applications. Learn to defend Web-based applications developed with AJAX, SOAP, XMLPRC, and more. See why Cross Site Scripting attacks can be so devastating.

Certified Ethical Hacker (CEH) Cert Guide

Seven Deadliest Web Application Attacks highlights the vagaries of web security by discussing the seven deadliest vulnerabilities exploited by attackers. This book pinpoints the most dangerous hacks and exploits specific to web applications, laying out the anatomy of these attacks including how to make your system more secure. You will discover the best ways to defend against these vicious hacks with step-by-step instruction and learn techniques to make your computer and network impenetrable. Each chapter presents examples of different attacks conducted against web sites. The methodology behind the attack is explored, showing its potential impact. The chapter then moves on to address possible countermeasures for different aspects of the
attack. The book consists of seven chapters that cover the following: the most pervasive and easily exploited vulnerabilities in web sites and web browsers; Structured Query Language (SQL) injection attacks; mistakes of server administrators that expose the web site to attack; brute force attacks; and logic attacks. The ways in which malicious software malware has been growing as a threat on the Web are also considered. This book is intended for information security professionals of all levels, as well as web application developers and recreational hackers. Knowledge is power, find out about the most dominant attacks currently waging war on computers and networks globally Discover the best ways to defend against these vicious attacks; step-by-step instruction shows you how Institute countermeasures, don’t be caught defenseless again, and learn techniques to make your computer and network impenetrable

**Hands-On Application Penetration Testing with Burp Suite**

Addressing the firewall capabilities of Linux, a handbook for security professionals describes the Netfilter infrastructure in the Linux kernel and explains how to use Netfilter as an intrusion detection system by integrating it with custom open source software and Snort rulesets, discussing such topics as Linux firewall log analysis and policies, passive network authentication and authorization, and more. Original. (Intermediate)

**Gray Hat C#**


**Some Examples Related to Ethical Computer Networking Hacking**

The highly successful security book returns with a new edition, completely updated. Web applications are the front door to most organizations, exposing them to attacks that may disclose personal information, execute fraudulent transactions, or compromise ordinary users. This practical book has been completely updated and revised to discuss the latest step-by-step techniques for attacking and defending the range of ever-evolving web applications. You'll explore the various new technologies employed in web applications that have appeared since the first edition and review the new attack techniques that have been developed, particularly in relation to the client side. Reveals how to overcome the new technologies and techniques aimed at defending web applications against attacks that have appeared since the previous edition Discusses new remoting frameworks, HTML5, cross-domain integration techniques, UI redress, framebusting, HTTP parameter pollution, hybrid file attacks, and more Features a companion web site hosted by the authors that allows readers to try out the attacks described, gives answers to the questions that are posed at the end of each chapter, and provides a summarized methodology and checklist of tasks on the areas of web application security where things have changed in recent years, this book is the most current resource on the critical topic of discovering, exploiting, and preventing web application security flaws. Also available as a set with, CEHv8: Certified Hacker Version 8 Study Guide, Ethical Hacking and Web Hacking Set, 9781119072171.

**Hacking Web Apps**

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CEH v8 exam success with this cert guide from Pearson IT Certification, a leader in IT certification learning. Master CEH exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks Certified Ethical Hacker (CEH) Cert Guide is a best-of-breed exam study guide. Leading security consultant and certification expert Michael Gregg shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. You'll get a complete test preparation routine organized around proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. This EC-Council authorized study guide helps you master all the topics on the CEH v8 (312-50) exam, including: Ethical hacking basics Technical foundations of hacking Footprinting and scanning Enumeration and system hacking Linux and automated assessment tools.
and backdoors. Sniffers, session hijacking, and denial of service. Web server hacking, web applications, and
database attacks. Wireless technologies, mobile security, and mobile attacks. IDS, firewalls, and honeypots.
Buffer overflows, viruses, and worms. Cryptographic attacks and defenses. Physical security and social
engr"
Advances in Human Factors in Cybersecurity

The highly successful security book returns with a new edition, completely updated Web applications are the front door to most organizations, exposing them to attacks that may disclose personal information, execute fraudulent transactions, or compromise ordinary users. This practical book has been completely updated and revised to discuss the latest step-by-step techniques for attacking and defending the range of ever-evolving web applications. You'll explore the various new technologies employed in web applications that have appeared since the first edition and review the new attack techniques that have been developed, particularly in relation to the client side. Reveals how to overcome the new technologies and techniques aimed at defending web applications against attacks that have appeared since the previous edition Discusses new remoting frameworks, HTML5, cross-domain integration techniques, UI redress, framebusting, HTTP parameter pollution, hybrid file attacks, and more Features a companion web site hosted by the authors that allows readers to try out the attacks described, gives answers to the questions that are posed at the end of each chapter, and provides a summarized methodology and checklist of tasks Focusing on the areas of web application security where things have changed in recent years, this book is the most current resource on the critical topic of discovering, exploiting, and preventing web application security flaws. Also available as a set with, CEHv8: Certified Hacker Version 8 Study Guide, Ethical Hacking and Web Hacking Set, 9781119072171.

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