The New Owasp Web Application Penetration Testing Guide

A Beginner's Guide To Web Application Penetration TestingThe Penetration Tester's Guide to Web ApplicationsMobile Application Penetration TestingPractical Web Penetration TestingLearning Pentesting for Android DevicesBurp Suite CookbookHands-On Web Penetration Testing with MetasploitEthical Hacking and Penetration Testing GuideHands-On Application Penetration Testing with Burp SuitePen Testing from Contract to ReportPenetration Testing: A Survival GuideiOS Penetration TestingMastering Modern Web Penetration TestingMastering Kali Linux for Web Penetration TestingPython Web Penetration Testing CookbookLearning Python Web Penetration TestingWeb Application PenTestingProfessional Pen Testing for Web ApplicationsPython for Offensive PenTestThe Pentester BluePrint Ali Abdollahi Serge Borso Vijay Kumar Velu Gus Khawaja Aditya Gupta Sunny Wear Harpreet Singh Rafay Baloch Carlos A. Lozano Alfred Basta Wolf Halton Kunal Relan Prakhar Prasad Michael McPhee Cameron Buchanan Christian Martorella Yassine Maleh Andres Andreu Hussam Khrais Phillip L. Wylie

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Relan Prakhar Prasad Michael McPhee Cameron Buchanan Christian Martorella Yassine Maleh Andres Andreu Hussam Khrais Phillip L. Wylie

a hands on beginner friendly intro to web application pentesting in a beginner s guide to application penetration testing seasoned cybersecurity veteran ali abdollahi delivers a startlingly insightful and up to date exploration of web app pentesting in the book ali takes a dual approach emphasizing both theory and practical skills equipping you to jumpstart a new career in web application security you ll learn about common vulnerabilities and how to perform a variety of effective attacks on web applications consistent with the approach publicized by the open application security project owasp the book explains how to find exploit and combat the ten most common security vulnerability categories including broken access controls cryptographic failures code injection security misconfigurations and more a beginner s guide to application penetration testing walks you through the five main stages of a comprehensive penetration test scoping and reconnaissance scanning gaining and maintaining access analysis and reporting you ll also discover how to use several popular security tools and techniques like as well as demonstrations of the performance of various penetration testing techniques including subdomain enumeration with sublist3r and subfinder and port scanning with nmap strategies for analyzing and improving the security of web applications against common attacks including explanations of the increasing importance of web application security and how to use techniques like input validation disabling external entities to maintain security perfect for software engineers new to cybersecurity security analysts web developers and other it professionals a beginner s guide to application penetration testing will also earn a prominent place in the libraries of cybersecurity students and anyone else with an interest in web application security

this innovative new resource provides both professionals and aspiring professionals with clear guidance on how to identify and exploit common web application vulnerabilities the book focuses on offensive security and how to attack web applications it describes each of the open application security project owasp top ten vulnerabilities including broken authentication cross site scripting and insecure deserialization and details how to identify and exploit each weakness

readers learn to bridge the gap between high risk vulnerabilities and exploiting flaws to get shell access the book demonstrates how to work in a professional services space to produce quality and thorough testing results by detailing the requirements of providing a best of class penetration testing service it offers insight into the problem of not knowing how to approach a web app pen test and the challenge of integrating a mature pen testing program into an organization based on the author s many years of first hand experience this book provides examples of how to break into user accounts how to breach systems and how to configure and wield penetration testing tools

explore real world threat scenarios attacks on mobile applications and ways to counter them about this book gain insights into the current threat landscape of mobile applications in particular explore the different options that are available on mobile platforms and prevent circumventions made by attackers this is a step by step guide to setting up your own mobile penetration testing environment who this book is for if you are a mobile application evangelist mobile application developer information security practitioner penetration tester on infrastructure web applications an application security professional or someone who wants to learn mobile application security as a career then this book is for you this book will provide you with all the skills you need to get started with android and ios pen testing what you will learn gain an in depth understanding of android and ios architecture and the latest changes discover how to work with different tool suites to assess any application develop different strategies and techniques to connect to a mobile device create a foundation for mobile application security principles grasp techniques to attack different components of an android device and the different functionalities of an ios device get to know secure development strategies for both ios and android applications gain an understanding of threat modeling mobile applications get an in depth understanding of both android and ios implementation vulnerabilities and how to provide counter measures while developing a mobile app in detail mobile security has come a long way over the last few years it has transitioned from should it be done to it must be done alongside the growing number of devises and applications there is also a growth in the volume of personally identifiable information pii financial data and much more this data needs to be secured this is why pen testing is so important to modern

application developers you need to know how to secure user data and find vulnerabilities and loopholes in your application that might lead to security breaches this book gives you the necessary skills to security test your mobile applications as a beginner developer or security practitioner you ll start by discovering the internal components of an android and an ios application moving ahead you ll understand the inter process working of these applications then you ll set up a test environment for this application using various tools to identify the loopholes and vulnerabilities in the structure of the applications finally after collecting all information about these security loop holes we ll start securing our applications from these threats style and approach this is an easy to follow guide full of hands on examples of real world attack simulations each topic is explained in context with respect to testing and for the more inquisitive there are more details on the concepts and techniques used for different platforms

applications are the core of any business today and the need for specialized application security experts is increasing these days using this book you will be able to learn application security testing and understand how to analyze a web application conduct a web intrusion test and a network infrastructure test

this is an easy to follow guide full of hands on and real world examples of applications each of the vulnerabilities discussed in the book is accompanied with the practical approach to the vulnerability and the underlying security issue this book is intended for all those who are looking to get started in android security or android application penetration testing you don t need to be an android developer to learn from this book but it is highly recommended that developers have some experience in order to learn how to create secure applications for android

get hands on experience in using burp suite to execute attacks and perform web assessments key featuresexplore the tools in burp suite to meet your web infrastructure security demandsconfigure burp to fine tune the suite of tools specific to the targetuse burp extensions to assist with different technologies commonly found in application stacksbook description burp suite is a java based platform for testing the security of your web applications and has been adopted widely by professional enterprise testers the burp suite cookbook contains recipes to tackle challenges in determining and exploring vulnerabilities in web

applications you will learn how to uncover security flaws with various test cases for complex environments after you have configured burp for your environment you will use burp tools such as spider scanner intruder repeater and decoder among others to resolve specific problems faced by pentesters you will also explore working with various modes of burp and then perform operations on the web toward the end you will cover recipes that target specific test scenarios and resolve them using best practices by the end of the book you will be up and running with deploying burp for securing web applications what you will learnconfigure burp suite for your web applicationsperform authentication authorization business logic and data validation testingexplore session management and client side testingunderstand unrestricted file uploads and server side request forgeryexecute xml external entity attacks with burpperform remote code execution with burpwho this book is for if you are a security professional web pentester or software developer who wants to adopt burp suite for applications security this book is for you

identify exploit and test web application security with ease key featuresget up to speed with metasploit and discover how to use it for pentestingunderstand how to exploit and protect your web environment effectivelylearn how an exploit works and what causes vulnerabilitiesbook description metasploit has been a crucial security tool for many years however there are only a few modules that metasploit has made available to the public for pentesting web applications in this book you ll explore another aspect of the framework web applications which is not commonly used you ll also discover how metasploit when used with its inbuilt gui simplifies web application penetration testing the book starts by focusing on the metasploit setup along with covering the life cycle of the penetration testing process then you will explore metasploit terminology and the web gui which is available in the metasploit community edition next the book will take you through pentesting popular content management systems such as drupal wordpress and joomla which will also include studying the latest cves and understanding the root cause of vulnerability in detail later you ll gain insights into the vulnerability assessment and exploitation of technological platforms such as jboss jenkins and tomcat finally you ll learn how to fuzz web applications to find logical security vulnerabilities using third party tools by the end of this book you ll have a solid understanding of how to

exploit and validate vulnerabilities by working with various tools and techniques what you will learnget up to speed with setting up and installing the metasploit frameworkgain first hand experience of the metasploit web interfaceuse metasploit for web application reconnaissanceunderstand how to pentest various content management systemspentest platforms such as jboss tomcat and jenkinsbecome well versed with fuzzing web applicationswrite and automate penetration testing reportswho this book is for this book is for web security analysts bug bounty hunters security professionals or any stakeholder in the security sector who wants to delve into web application security testing professionals who are not experts with command line tools or kali linux and prefer metasploit s graphical user interface gui will also find this book useful no experience with metasploit is required but basic knowledge of linux and web application pentesting will be helpful

requiring no prior hacking experience ethical hacking and penetration testing guide supplies a complete introduction to the steps required to complete a penetration test or ethical hack from beginning to end you will learn how to properly utilize and interpret the results of modern day hacking tools which are required to complete a penetration test the book covers a wide range of tools including backtrack linux google reconnaissance metagoofil dig nmap nessus metasploit fast track autopwn netcat and hacker defender rootkit supplying a simple and clean explanation of how to effectively utilize these tools it details a four step methodology for conducting an effective penetration test or hack providing an accessible introduction to penetration testing and hacking the book supplies you with a fundamental understanding of offensive security after completing the book you will be prepared to take on in depth and advanced topics in hacking and penetration testing the book walks you through each of the steps and tools in a structured orderly manner allowing you to understand how the output from each tool can be fully utilized in the subsequent phases of the penetration test this process will allow you to clearly see how the various tools and phases relate to each other an ideal resource for those who want to learn about ethical hacking but don t know where to start this book will help take your hacking skills to the next level the topics described in this book comply with international standards and with what is being taught in international certifications

test fuzz and break web applications and services using burp suite s powerful capabilities key featuresmaster the skills to perform various types of security tests on your web applicationsget hands on experience working with components like scanner proxy intruder and much morediscover the best way to penetrate and test web applicationsbook description burp suite is a set of graphic tools focused towards penetration testing of web applications burp suite is widely used for web penetration testing by many security professionals for performing different web level security tasks the book starts by setting up the environment to begin an application penetration test you will be able to configure the client and apply target whitelisting you will also learn to setup and configure android and ios devices to work with burp suite the book will explain how various features of burp suite can be used to detect various vulnerabilities as part of an application penetration test once detection is completed and the vulnerability is confirmed you will be able to exploit a detected vulnerability using burp suite the book will also covers advanced concepts like writing extensions and macros for burp suite finally you will discover various steps that are taken to identify the target discover weaknesses in the authentication mechanism and finally break the authentication implementation to gain access to the administrative console of the application by the end of this book you will be able to effectively perform end to end penetration testing with burp suite what you will learnset up burp suite and its configurations for an application penetration testproxy application traffic from browsers and mobile devices to the serverdiscover and identify application security issues in various scenariosexploit discovered vulnerabilities to execute commandsexploit discovered vulnerabilities to gain access to data in various datastoreswrite your own burp suite plugin and explore the infiltrator modulewrite macros to automate tasks in burp suitewho this book is for if you are interested in learning how to test web applications and the web part of mobile applications using burp then this is the book for you it is specifically designed to meet your needs if you have basic experience in using burp and are now aiming to become a professional burp user

protect your system or web application with this accessible guide penetration tests also known as pen tests are a means of assessing the security of a computer system by simulating a cyber attack these tests can be an essential tool in detecting exploitable vulnerabilities in a computer system or web application averting

potential user data breaches privacy violations losses of system function and more with system security an increasingly fundamental part of a connected world it has never been more important that cyber professionals understand the pen test and its potential applications pen testing from contract to report offers a step by step overview of the subject built around a new concept called the penetration testing life cycle it breaks the process into phases guiding the reader through each phase and its potential to expose and address system vulnerabilities the result is an essential tool in the ongoing fight against harmful system intrusions in pen testing from contract to report readers will also find content mapped to certification exams such as the comptia pentest detailed techniques for evading intrusion detection systems firewalls honeypots and more accompanying software designed to enable the reader to practice the concepts outlined as well as end of chapter questions and case studies pen testing from contract to report is ideal for any cyber security professional or advanced student of cyber security

a complete pentesting guide facilitating smooth backtracking for working hackers about this book conduct network testing surveillance pen testing and forensics on ms windows using kali linux gain a deep understanding of the flaws in web applications and exploit them in a practical manner pentest android apps and perform various attacks in the real world using real case studies who this book is for this course is for anyone who wants to learn about security basic knowledge of android programming would be a plus what you will learn exploit several common windows network vulnerabilities recover lost files investigate successful hacks and discover hidden data in innocent looking files expose vulnerabilities present in web servers and their applications using server side attacks use sql and cross site scripting xss attacks check for xss flaws using the burp suite proxy acquaint yourself with the fundamental building blocks of android apps in the right way take a look at how your personal data can be stolen by malicious attackers see how developers make mistakes that allow attackers to steal data from phones in detail the need for penetration testers has grown well over what the it industry ever anticipated running just a vulnerability scanner is no longer an effective method to determine whether a business is truly secure this learning path will help you develop the most effective penetration testing skills to protect your windows web applications and android devices the first module focuses on the windows platform

which is one of the most common oses and managing its security spawned the discipline of it security kali linux is the premier platform for testing and maintaining windows security employs the most advanced tools and techniques to reproduce the methods used by sophisticated hackers in this module first you ll be introduced to kali s top ten tools and other useful reporting tools then you will find your way around your target network and determine known vulnerabilities so you can exploit a system remotely you ll not only learn to penetrate in the machine but will also learn to work with windows privilege escalations the second module will help you get to grips with the tools used in kali linux 2 0 that relate to web application hacking you will get to know about scripting and input validation flaws ajax and security issues related to ajax you will also use an automated technique called fuzzing so you can identify flaws in a web application finally you ll understand the web application vulnerabilities and the ways they can be exploited in the last module you ll get started with android security android being the platform with the largest consumer base is the obvious primary target for attackers you ll begin this journey with the absolute basics and will then slowly gear up to the concepts of android rooting application security assessments malware infecting apk files and fuzzing you ll gain the skills necessary to perform android application vulnerability assessments and to create an android pentesting lab this learning path is a blend of content from the following packt products kali linux 2 windows penetration testing by wolf halton and bo weaver penetration testing with kali linux second edition by juned ahmed ansari hacking android by srinivasa rao kotipalli and mohammed a imran style and approach this course uses easy to understand yet professional language for explaining concepts to test your network s security

unearth some of the most significant attacks threatening ios applications in recent times and learn methods of patching them to make payment transactions and personal data sharing more secure when it comes to security ios has been in the spotlight for a variety of reasons although a tough system to manipulate there are still critical security bugs that can be exploited in response to this issue author kunal relan offers a concise deep dive into ios security including all the tools and methods to master reverse engineering of ios apps and penetration testing what you will learn get a deeper understanding of ios infrastructure and architecture obtain deep insights of ios security and jailbreaking master reverse engineering

techniques for securing your ios apps discover the basics of application development for ios employ securitybest practices for ios applications who is this book for security professionals information security analysts ios reverse engineers ios developers and readers interested in secure application development in ios

master the art of conducting modern pen testing attacks and techniques on your web application before the hacker does about this book this book covers the latest technologies such as advance xss xsrf sql injection api testing xml attack vectors oauth 2 0 security and more involved in today s web applications penetrate and secure your web application using various techniques get this comprehensive reference guide that provides advanced tricks and tools of the trade for seasoned penetration testers who this book is for this book is for security professionals and penetration testers who want to speed up their modern web application penetrating testing it will also benefit those at an intermediate level and web developers who need to be aware of the latest application hacking techniques what you will learn get to know the new and less publicized techniques such php object injection and xml based vectors work with different security tools to automate most of the redundant tasks see different kinds of newly designed security headers and how they help to provide security exploit and detect different kinds of xss vulnerabilities protect your web application using filtering mechanisms understand old school and classic web hacking in depth using sql injection xss and csrf grasp xml related vulnerabilities and attack vectors such as xxe and dos techniques get to know how to test rest apis to discover security issues in them in detail penetration testing is a growing fast moving and absolutely critical field in information security this book executes modern web application attacks and utilises cutting edge hacking techniques with an enhanced knowledge of web application security we will cover web hacking techniques so you can explore the attack vectors during penetration tests the book encompasses the latest technologies such as oauth 2 0 api testing methodologies and xml vectors used by hackers some lesser discussed attack vectors such as rpo relative path overwrite dom clobbering php object injection and etc has been covered in this book we ll explain various old school techniques in depth such as xss csrf sql injection through the ever dependable sqlmap and reconnaissance websites nowadays provide apis to allow integration with third party applications thereby exposing a lot of attack surface we cover

testing of these apis using real life examples this pragmatic guide will be a great benefit and will help you prepare fully secure applications style and approach this master level guide covers various techniques serially it is power packed with real world examples that focus more on the practical aspects of implementing the techniques rather going into detailed theory

master the art of exploiting advanced web penetration techniques with kali linux 2016 2 about this book make the most out of advanced web pen testing techniques using kali linux 2016 2 explore how stored a k a persistent xss attacks work and how to take advantage of them learn to secure your application by performing advanced web based attacks bypass internet security to traverse from the web to a private network who this book is for this book targets it pen testers security consultants and ethical hackers who want to expand their knowledge and gain expertise on advanced web penetration techniques prior knowledge of penetration testing would be beneficial what you will learn establish a fully featured sandbox for test rehearsal and risk free investigation of applications enlist open source information to get a head start on enumerating account credentials mapping potential dependencies and discovering unintended backdoors and exposed information map scan and spider web applications using nmap zenmap nikto arachni webscarab w3af and netcat for more accurate characterization proxy web transactions through tools such as burp suite owasp s zap tool and vega to uncover application weaknesses and manipulate responses deploy sql injection cross site scripting java vulnerabilities and overflow attacks using burp suite websploit and sqlmap to test application robustness evaluate and test identity authentication and authorization schemes and sniff out weak cryptography before the black hats do in detail you will start by delving into some common web application architectures in use both in private and public cloud instances you will also learn about the most common frameworks for testing such as owasp ogt version 4 and how to use them to guide your efforts in the next section you will be introduced to web pentesting with core tools and you will also see how to make web applications more secure through rigorous penetration tests using advanced features in open source tools the book will then show you how to better hone your web pentesting skills in safe environments that can ensure low risk experimentation with the powerful tools and features in kali linux that go beyond a typical script kiddie approach after

establishing how to test these powerful tools safely you will understand how to better identify vulnerabilities position and deploy exploits compromise authentication and authorization and test the resilience and exposure applications possess by the end of this book you will be well versed with the web service architecture to identify and evade various protection mechanisms that are used on the today you will leave this book with a greater mastery of essential test techniques needed to verify the secure design development and operation of your customers web applications style and approach an advanced level guide filled with real world examples that will help you take your web application s security to the next level by using kali linux 2016 2

this book gives you an arsenal of python scripts perfect to use or to customize your needs for each stage of the testing process each chapter takes you step by step through the methods of designing and modifying scripts to attack web apps you will learn how to collect both open and hidden information from websites to further your attacks identify vulnerabilities perform sql injections exploit cookies and enumerate poorly configured systems you will also discover how to crack encryption create payloads to mimic malware and create tools to output your findings into presentable formats for reporting to your employers

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 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 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 scrappy 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 penetration testing is for web developers who want to step into the world of web application security testing basic knowledge of python is necessary

this is an essential resource for navigating the complex high stakes world of cybersecurity it bridges the gap between foundational cybersecurity knowledge and its practical application in web application security designed for professionals who may lack formal training in cybersecurity or those seeking to update their skills this book offers a crucial toolkit for defending against the rising tide of cyber threats as web applications become central to our digital lives understanding and countering web based threats is imperative for it professionals across various sectors this book provides a structured learning path from basic security principles to advanced penetration testing techniques tailored for both new and experienced cybersecurity practitioners explore the architecture of web applications and the common vulnerabilities as identified by industry leaders like owasp gain practical skills in information gathering vulnerability assessment and the exploitation of security gaps master advanced tools such as burp suite and learn the intricacies of various attack strategies through real world case studies dive into the integration of security practices into development processes with a detailed look at devsecops and secure coding practices application pentesting is more than a technical manual it is a guide designed to equip its readers with the analytical skills and knowledge

to make informed security decisions ensuring robust protection for digital assets in the face of evolving cyber threats whether you are an engineer project manager or technical leader this book will empower you to fortify your web applications and contribute effectively to your organization s cybersecurity efforts

market desc programmers and developers either looking to get into the application security space or looking for guidance to enhance the security of their work network security professional s looking to learn about and get into web application penetration testing special features exclusive coverage coverage includes basics of security and web applications for programmers and developers unfamiliar with security and then drills down to validation testing and best practices to ensure secure software development website unique value add not found in any other book showing the reader how to build his her own pen testing lab including installation of honey pots a trap set to detect or deflect attempts at unauthorized use of information systems will be replicated on web site delivers on programmer to programmer promise author platform author is an expert in all forms of penetration testing in both government and corporate settings with a reach into each audience about the book the first two chapters of the book reviews the basics of web applications and their protocols especially authentication aspects as a launching pad for understanding the inherent security vulnerabilities covered later in the book immediately after this coverage the author gets right down to basics of information security covering vulnerability analysis attack simulation and results analysis focusing the reader on the outcomes aspects needed for successful pen testing the author schools the reader on how to present findings to internal and external critical stakeholders and then moves on to remediation or hardening of the code and applications rather than the servers

your one stop guide to using python creating your own hacking tools and making the most out of resources available for this programming language key features comprehensive information on building a web application penetration testing framework using python master web application penetration testing using the multi paradigm programming language python detect vulnerabilities in a system or application by writing your own python scripts book description python is an easy to learn and cross platform programming language that has unlimited third

party libraries plenty of open source hacking tools are written in python which can be easily integrated within your script this book is packed with step by step instructions and working examples to make you a skilled penetration tester it is divided into clear bite sized chunks so you can learn at your own pace and focus on the areas of most interest to you this book will teach you how to code a reverse shell and build an anonymous shell you will also learn how to hack passwords and perform a privilege escalation on windows with practical examples you will set up your own virtual hacking environment in virtualbox which will help you run multiple operating systems for your testing environment by the end of this book you will have learned how to code your own scripts and mastered ethical hacking from scratch what you will learn code your own reverse shell tcp and http create your own anonymous shell by interacting with twitter google forms and sourceforge replicate metasploit features and build an advanced shell hack passwords using multiple techniques api hooking keyloggers and clipboard hijacking exfiltrate data from your target add encryption aes rsa and xor to your shell to learn how cryptography is being abused by malware discover privilege escalation on windows with practical examples countermeasures against most attacks who this book is for this book is for ethical hackers penetration testers students preparing for oscp osce gpen gxpn and ceh information security professionals cybersecurity consultants system and network security administrators and programmers who are keen on learning all about penetration testing

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 crawley 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

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Introduction

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