The Basics Of Hacking And Penetration Testing Ethical Hacking And Penetration Testing Made Easy

Windows and Linux Penetration Testing from ScratchThe Basics of Hacking and Penetration TestingBuilding Virtual Pentesting Labs for Advanced Penetration TestingHands-on Penetration Testing for Web ApplicationsFrom Hacking to Report WritingHands-On Penetration Testing on WindowsPenetration Testing BasicsEthical Hacking and Penetration Testing GuideThe Basics of Hacking and Penetration TestingPenetration Testing For DummiesPerspectives on Ethical Hacking and Penetration TestingPenetration Testing FundamentalsVulnerability Assessment and Penetration Testing (VAPT)Cyber and Penetration Tests for Web ApplicationsPenetration Testing: A Survival GuideProfessional Penetration TestingPython: Penetration Testing for DevelopersPenetration TestingThe Basics of Hacking and Penetration TestingPenetration Testing Essentials Phil Bramwell Patrick Engebretson Kevin Cardwell Richa Gupta Robert Svensson Phil Bramwell Ric Messier Rafay Baloch Thomas Wilhelm Robert Shimonski Kaushik, Keshav William Easttom II Rishabh Bhardwaj Roman Zaikin Wolf Halton Thomas Wilhelm Christopher Duffy Kevin Henry Patrick Engebretson Sean-Philip Oriyano

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master the art of identifying and exploiting vulnerabilities with metasploit empire powershell and python turning kali linux into your fighter cockpit key featuresmap your client s attack surface with kali linuxdiscover the craft of shellcode injection and managing multiple compromises in the environmentunderstand both the attacker and the defender mindsetbook description let s be honest security testing can get repetitive if you re ready to break out of the routine and embrace the art of penetration testing this book will help you to distinguish yourself to your clients this pen testing book is your guide to learning advanced techniques to attack windows and linux environments from the indispensable platform kali linux you ll work through core network hacking concepts and advanced exploitation techniques that leverage both technical and human factors to maximize success you ll also explore how to leverage public resources to learn more about your target discover potential targets analyze them and gain a foothold using a variety of exploitation techniques while dodging defenses like antivirus and firewalls the book focuses on leveraging target resources such as powershell to execute powerful and difficult to detect attacks along the way you ll enjoy reading about how these methods work so that you walk away with the necessary knowledge to explain your findings to clients from all backgrounds wrapping up with post exploitation strategies you ll be able to go deeper and keep your access by the end of this book you ll be well versed in identifying vulnerabilities within your clients environments and providing the necessary insight for proper remediation what you will learnget to know advanced pen testing techniques with kali linuxgain an understanding of kali linux tools and methods from behind the scenesget to grips with the exploitation of windows and linux clients and serversunderstand advanced windows concepts and protection and bypass them with kali and living off the land methodsget the hang of sophisticated attack frameworks such as metasploit and empirebecome adept in generating and analyzing shellcodebuild and tweak attack scripts and moduleswho this book is for this book is for penetration testers information technology professionals cybersecurity professionals and students and individuals breaking into a pentesting role after demonstrating advanced skills in boot camps prior experience with windows linux and networking is necessary

the basics of hacking and penetration testing serves as an introduction to the steps required to complete a penetration test or perform an ethical hack from beginning to end this book makes ethical hacking and penetration testing easy no prior hacking experience is required it shows how to properly utilize and interpret the results of the modern day hacking tools required to complete a penetration test with a simple and clean explanation of how to effectively utilize these tools as well as the introduction to a four step methodology for conducting a penetration test or hack the book provides students with the know how required to jump start their careers and gain a better understanding of offensive security the book is organized into 7 chapters that cover hacking tools such as backtrack linux google reconnaissance metagoofil dig nmap nessus metasploit fast track autopwn netcat and hacker defender rootkit each chapter contains hands on examples and exercises that are designed to teach learners how to interpret results and utilize those results in later phases powerpoint slides are available for use in class this book is an ideal reference for security consultants beginning infosec professionals and students named a 2011 best hacking and pen testing book by infosec reviews each chapter contains hands on examples and exercises that are designed to teach you how to interpret the results and utilize those results in later phases writen by an author who works in the field as a penetration tester and who teaches offensive security penetration testing and ethical hacking and exploitation classes at dakota state university utilizes the backtrack linus distribution and focuses on the seminal tools required to complete a penetration test

written in an easy to follow approach using hands on examples this book helps you create virtual environments for advanced penetration testing enabling you to build a multi layered architecture to include firewalls ids ips web application firewalls and endpoint protection which is essential in the penetration testing world if you are a penetration tester security consultant security test engineer or analyst who wants to practice and perfect penetration testing skills by building virtual pentesting labs in varying industry scenarios this is the book for you this book is ideal if you want to build and enhance your existing pentesting methods and skills basic knowledge of network security features is expected along with web application testing experience

description hands on penetration testing for applications offers readers with the knowledge and skillset to identify exploit and control the security vulnerabilities present in commercial web applications including online banking mobile payments and e commerce applications covering a diverse array of topics this book provides a comprehensive overview of web application security testing methodologies each chapter offers key insights and practical applications that align with the objectives of the course students will explore critical areas such as vulnerability identification penetration testing techniques using open source pen test management and reporting tools testing applications hosted on cloud and automated security testing tools throughout the book readers will encounter essential concepts and tools such as owasp top 10 vulnerabilities sql injection cross site scripting xss authentication and authorization testing and secure configuration practices with a focus on real world applications students will develop critical thinking skills problem solving abilities and a security first mindset required to address the challenges of modern web application threats with a deep understanding of security vulnerabilities and testing solutions students will have the confidence to explore new opportunities drive innovation and make informed decisions in the rapidly evolving field of cybersecurity key features exciting coverage on vulnerabilities and security loopholes in modern web applications practical exercises and case scenarios on performing pen testing and identifying security breaches this new edition brings enhanced cloud security coverage and comprehensive penetration test management using attackforge for streamlined vulnerability documentation and remediation what you will learn navigate the complexities of web application security testing an overview of the modern application vulnerabilities detection techniques tools and web penetration testing methodology framework contribute meaningfully to safeguarding digital systems address the challenges of modern web application threats this edition includes testing modern web applications with emerging trends like devsecops api security and cloud hosting this edition brings devsecops implementation using automated security approaches for continuous vulnerability remediation who this book is for the target audience for this book includes students security enthusiasts penetration testers and web application developers individuals who are new to security testing will be able to build an understanding about testing concepts and find this book useful people will be able to gain expert knowledge on pentesting tools and concepts table of contents 1 introduction to security threats 2 application security essentials 3 pentesting methodology 4 testing authentication failures 5 testing secure session management 6 testing broken access control 7 testing sensitive data exposure 8 testing secure data validation 9 techniques to attack application users 10 testing security misconfigurations 11 automating security attacks 12 penetration testing tools 13 pen test management and reporting 14 defense in depth 15 security testing in cloud

this book will teach you 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 how to 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 how to 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 master the art of identifying vulnerabilities within the windows os and develop the desired solutions for it using kali linux key features identify the vulnerabilities in your system using kali linux 2018 02 discover the art of exploiting windows kernel drivers get to know several bypassing techniques to gain control of your windows environment book description windows has always been the go to platform for users around the globe to perform administration and ad hoc tasks in settings that range from small offices to global enterprises and this massive footprint makes securing windows a unique challenge this book will enable you to distinguish yourself to your clients in this book you ll learn advanced techniques to attack windows environments from the indispensable toolkit that is kali linux we ll work through core network hacking concepts and advanced windows exploitation techniques such as stack and heap overflows precision heap spraying and kernel exploitation using coding principles that allow you to leverage powerful python scripts and shellcode we ll wrap up with post exploitation strategies that enable you to go deeper and keep your access finally we ll introduce kernel hacking fundamentals and fuzzing testing so you can discover vulnerabilities and write custom exploits by the end of this book you ll be well versed in identifying vulnerabilities within the windows os and developing the desired solutions for them what you will learn get to know advanced pen testing techniques with kali linux gain an understanding of kali linux tools and methods from behind the scenes see how to use kali linux at an advanced level understand the exploitation of windows kernel drivers understand advanced windows concepts and protections and how to bypass them using kali linux discover windows exploitation techniques such as stack and heap overflows and kernel exploitation through coding principles who this book is for this book is for penetration testers ethical hackers and individuals breaking into the pentesting role after demonstrating an advanced skill in boot camps prior experience with windows exploitation kali linux and some windows debugging tools is necessary

learn how to break systems networks and software in order to determine where the bad guys might get in once the holes have been determined this short book discusses how they can be fixed until they have been located they are exposures to your organization by reading penetration testing basics you ll gain the foundations of a simple methodology used to perform penetration testing on systems and networks for which you are responsible what you will learn identify security vulnerabilities use some of the top security tools to identify holes read reports from testing tools spot and negate common attacks identify common based attacks and exposures as well as recommendations for closing those holes who this book is for anyone who has some familiarity with computers and an interest in information security and penetration testing

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

the basics of hacking and penetration testing third edition serves as an introduction to the steps required to complete a penetration test or perform an ethical hack from beginning to end the book teaches readers how to properly utilize and interpret the results of the modern day hacking tools required to complete a penetration test it provides a simple and clear explanation of how to effectively utilize these tools along with a four step methodology for conducting a penetration test or hack thus equipping readers with the know how required to jump start their careers and gain a better understanding of offensive security each chapter contains hands on examples and exercises that are designed to teach learners how to interpret results and utilize those results in later phases the new third edition of this book includes six all new chapters and has been completely updated to the most current industry standard tools testing methodology and exploitable targets new chapters on setting up a pen testing lab and hacking careers have been added to expand and update the book this is complemented by videos for use in class this book is an ideal resource for security consultants beginning infosec professionals and students each chapter contains hands on examples and exercises that are designed to teach you how to interpret the results and utilize those results in later phases written by authors who work in the field as penetration testers and who teach offensive security penetration testing and ethical hacking and exploitation classes focuses on the seminal industry standard tools required to complete a penetration test

target test analyze and report on security vulnerabilities with pen testing pen testing is necessary for companies looking to target test analyze and patch the security vulnerabilities from hackers attempting to break into and compromise their organizations data it takes a person with hacking skills to look for the weaknesses that make an organization susceptible to hacking pen testing for dummies aims to equip it enthusiasts at various levels with the basic knowledge of pen testing it is the go to book for those who have some it experience but desire more knowledge of how to gather intelligence on a target learn the steps for mapping out a test and discover best practices for analyzing solving and reporting on vulnerabilities the different phases of a pen test from pre engagement to completion threat modeling and understanding risk when to apply vulnerability management vs penetration testing ways to keep your pen testing skills sharp relevant and at the top of the game get ready to gather intelligence discover the steps for mapping out tests and analyze and report results

cybersecurity has emerged to address the need for connectivity and seamless integration with other devices and vulnerability assessment to find loopholes however there are potential challenges ahead in meeting the growing need for cybersecurity this includes design and implementation challenges application connectivity data gathering cyber attacks and cyberspace analysis perspectives on ethical hacking and penetration testing familiarizes readers with in depth and professional hacking and vulnerability scanning subjects the book discusses each of the processes and tools systematically and logically so that the reader can see how the data from each tool may be fully exploited in the penetration test s succeeding stages this procedure enables readers to observe how the research instruments and phases interact this book provides a high level of understanding of the emerging technologies in penetration testing cyber attacks and ethical hacking and offers the potential of acquiring and processing a tremendous amount of data from the physical world covering topics such as cybercrimes digital forensics and wireless hacking this premier reference source is an excellent resource for cybersecurity professionals it managers students and educators of higher education librarians researchers and academicians

the perfect introduction to pen testing for all it professionals and students clearly explains key concepts terminology challenges tools and skills covers the latest penetration testing standards from nsa pci and nist welcome to today s most useful and practical introduction to penetration testing chuck easttom brings together up to the minute coverage of all the concepts terminology challenges and skills you ll need to be effective drawing on decades of experience in cybersecurity and related it fields easttom integrates theory and practice covering the entire penetration testing life cycle from planning to reporting you ll gain practical experience through a start to finish sample project relying on free open source tools throughout quizzes projects and review sections deepen your understanding and help you apply what you ve learned including essential pen testing standards from nsa pci and nist penetration testing fundamentals will help you protect your assets and expand your career options learn how to understand what pen testing is and how it s used meet modern standards for comprehensive and effective testing review cryptography essentials every pen tester must know perform reconnaissance with nmap google searches and shodanhq use malware as part of your pen testing toolkit test for vulnerabilities in windows shares scripts wmi and the registry pen test websites and web communication recognize sql injection and cross site scripting attacks scan for vulnerabilities with owasp zap vega nessus and mbsa identify linux vulnerabilities and password cracks use kali linux for advanced pen testing apply general hacking technique ssuch as fake wi fi hotspots and social engineering systematically test your environment with metasploit write or customize sophisticated metasploit exploits

description vulnerability assessment and penetration testing vapt combinations are a huge requirement for all organizations to improve their security posture the vapt process helps highlight the associated threats and risk exposure within the organization this book covers practical vapt technologies dives into the logic of vulnerabilities and explains effective methods for remediation to close them this book is a complete guide to vapt blending theory and practical skills it begins with vapt fundamentals covering lifecycle threat models and risk assessment you will learn infrastructure security setting up virtual labs and using tools like kali linux burp suite and owasp zap for vulnerability assessments application security topics include static sast and dynamic dast analysis web application penetration testing and api security testing with hands on practice using metasploit and exploiting vulnerabilities from the owasp top 10 you will gain real world skills the book concludes with tips on crafting professional security reports to present your findings effectively after reading this book you will learn different ways of dealing with vapt as we all come to know the challenges faced by the industries we will learn how to overcome or remediate these vulnerabilities and associated risks key features establishes a strong understanding of vapt concepts lifecycle and threat modeling frameworks provides hands on experience with essential tools like kali linux burp suite and owasp zap and application security including sast dast and penetration testing guides you through creating clear and concise security reports to effectively communicate findings what you will learn learn how to identify assess and prioritize vulnerabilities based on organizational risks explore effective remediation techniques to address security vulnerabilities efficiently gain insights into reporting vulnerabilities to improve an organization s security posture apply vapt concepts and methodologies to enhance your work as a security researcher or tester who this book is for this book is for current and aspiring emerging tech professionals students and anyone who wishes to understand how to have a rewarding career in emerging technologies such as cybersecurity vulnerability management and api security testing table of contents 1 vapt threats and risk terminologies 2 infrastructure security tools and techniques 3 performing infrastructure vulnerability assessment 4 beginning with static code analysis 5 dynamic application security testing analysis 6 infrastructure pen testing 7 approach for application pen testing 8 application manual testing 9 application programming interface pen testing 10 report writing

roman zaikin is an information and cyber security expert at a check point and has been the head of hackeru s information and cyber security program since 2014 the goal of the cyber and penetration tests book series is to teach its readers the secrets of cyber security and penetration testing world this book was written to improve readers penetration testing capabilities and acquaint them with the world s most popular cyber security and penetration testing tools and techniques whether you are an experienced programmer seeking to understand a hacker s way of thinking or a novice penetration tester this book is for you this book will teach you penetration testing from a to z starting at the reconnaissance phase and ending with identifying vulnerabilities and writing reports in addition you will dive deeply into the owasp top 10 and we will share with you our methodology of finding vulnerability this book also provides case studies of vulnerabilities we have found on tech giants like facebook whatsapp telegram skype ebay aliexpress lg dji and more with the fast growing cyber security industry the demand for cyber security and penetration testing professionals is also increasing cyber and penetration tests for applications includes a comprehensive challenge section which allows you to practice by addressing security breaches and writing full penetration testing reports these exercises will help you to hone your skills in specialized techniques and practices of the cyber security sector before attempting them in the real world

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

professional penetration testing creating and learning in a hacking lab third edition walks the reader through the entire process of setting up and running a pen test lab penetration testing the act of testing a computer network to find security vulnerabilities before they are maliciously exploited is a crucial component of information security in any organization chapters cover planning metrics and methodologies the details of running a pen test including identifying and verifying vulnerabilities and archiving reporting and management practices the material presented will be useful to beginners through advanced practitioners here author thomas wilhelm has delivered penetration testing training to countless security professionals and now through the pages of this book the reader can benefit from his years of experience as a professional penetration tester and educator after reading this book the reader will be able to create a personal penetration test lab that can deal with real world vulnerability scenarios this is a detailed and thorough examination of both the technicalities and the business of pen testing and an excellent starting point for anyone getting into the field network security helps users find out how to turn hacking and pen testing skills into a professional career covers how to conduct controlled attacks on a network through real world examples of vulnerable and exploitable servers presents metrics and reporting methodologies that provide experience crucial to a professional penetration tester includes test lab code that is available on the web

unleash the power of python scripting to execute effective and efficient penetration tests about this book sharpen your pentesting skills with python develop your fluency with python to write sharper scripts for rigorous security testing get stuck into some of the most powerful tools in the security world who this book is for if you are a python programmer or a security researcher who has basic knowledge of python programming and wants to learn about penetration testing with the help of python this course is ideal for you even if you are new to the field of ethical hacking this course can help you find the vulnerabilities in your system so that you are ready to tackle any kind of attack or intrusion what you will learn familiarize yourself with the generation of metasploit resource files and use the metasploit remote procedure call to automate exploit generation and execution exploit the remote file inclusion to gain administrative access to systems with python and other scripting languages crack an organization s internet perimeter and chain exploits to gain deeper access to an organization s resources explore wireless traffic with the help of various programs and perform wireless attacks with python programs gather passive information from a website using automated scripts and perform xss sql injection and parameter tampering attacks develop complicated header based attacks through python in detail cybercriminals are always one step ahead when it comes to tools and techniques this means you need to use the same tools and adopt the same mindset to properly secure your software this course shows you how to do just that demonstrating how effective python can be for powerful pentesting that keeps your software safe comprising of three key modules follow each one to push your python and security skills to the next level in the first module we ll show you how to get to grips with the fundamentals this means you ll quickly find out how to tackle some of the common challenges facing pentesters using custom python tools designed specifically for your needs you ll also learn what tools to use and when giving you complete confidence when deploying your pentester tools to combat any potential threat in the next module you ll begin hacking into the application layer covering everything from parameter tampering ddos xxs and sql injection it will build on the knowledge and skills you learned in the first module to make you an even more fluent security expert finally in the third module you ll find more than 60 python pentesting recipes we think this will soon become your trusted resource for any pentesting situation this learning path combines some of the best that packt has to offer in one complete curated package it includes content from the following packt products learning penetration testing with python by christopher duffy python penetration testing essentials by mohit python penetration testing cookbook by cameron buchanan terry ip andrew mabbitt benjamin may and dave mound style and approach this course provides a quick access to powerful modern tools and customizable scripts to kick start the creation of your own python web penetration testing toolbox this book is a preparation guide for the cpte examination yet is also a general reference for experienced penetration testers ethical hackers auditors security personnel and anyone else involved in the security of an organization s computer systems

the basics of hacking and penetration testing serves as an introduction to the steps required to complete a penetration test or perform an ethical hack from beginning to end this book makes ethical hacking and penetration testing easy no prior hacking experience is required it shows how to properly utilize and interpret the results of the modern day hacking tools required to complete a penetration test with a simple and clean explanation of how to effectively utilize these tools as well as the introduction to a four step methodology for conducting a penetration test or hack the book provides students with the know how required to jump start their careers and gain a better understanding of offensive security the book is organized into 7 chapters that cover hacking tools such as backtrack linux google reconnaissance metagoofil dig nmap nessus metasploit fast track autopwn netcat and hacker defender rootkit each chapter contains hands on examples and exercises that are designed to teach learners how to interpret results and utilize those results in later phases powerpoint slides are available for use in class this book is an ideal reference for security consultants beginning infosec professionals and students named a 2011 best hacking and pen testing book by infosec reviews each chapter contains hands on examples and exercises that are designed to teach you how to interpret the results and utilize those results in later phases writen by an author who works in the field as a penetration tester and who teaches offensive security penetration testing and ethical hacking and exploitation classes at dakota state university utilizes the backtrack linus distribution and focuses on the seminal tools required to complete a penetration test

your pen testing career begins here with a solid foundation in essential skills and concepts penetration testing essentials provides a starting place for professionals and beginners looking to learn more about penetration testing for cybersecurity certification eligibility requires work experience but before you get that experience you need a basic understanding of the technical and behavioral ways attackers compromise security and the tools and techniques you ll use to discover the weak spots before others do you ll learn information gathering techniques scanning and enumeration how to target wireless networks and much more as you build your pen tester skill set you ll learn how to break in look around get out and cover your tracks all without ever being noticed pen testers are tremendously important to data security so they need to be sharp and well versed in technique but they also need to work smarter than the average hacker this book set you on the right path with expert instruction from a veteran it security expert with multiple security certifications it security certifications have stringent requirements and demand a complex body of knowledge this book lays the groundwork for any it professional hoping to move into a cybersecurity career by developing a robust pen tester skill set learn the fundamentals of security and cryptography master breaking entering and maintaining access to a system escape and evade detection while covering your tracks build your pen testing lab and the essential toolbox start developing the tools and mindset you need to become experienced in pen testing today

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