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2913   Google Play Store   com.android.vending
1748   Messages            com.google.android.apps.messaging
4810   Phone               com.android.dialer
 999   SIM Toolkit         com.android.stk
  -    Calendar            com.google.android.calendar
  -    Camera              com.android.camera2
  -    Clock               com.google.android.deskclock
  -    Contacts            com.android.contacts
  -    Drive               com.google.android.apps.docs
  -    Files               com.google.android.documentsui
  -    Magisk              com.topjohnwu.magisk
  -    Maps                com.google.android.apps.maps
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  -    Photos              com.google.android.apps.photos
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   / _  |    Frida 16.0.11 - A world-class dynamic instrumentation too
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   > _  |    Commands:
  / _/ |_|       help      -> Displays the help system
  . . . .        object?   -> Display information about 'object'
  . . . .        exit/quit -> Exit
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Spawned `co.uk.getmondo`. Resuming main thread!
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* Injecting hooks into common certificate pinning methods *
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* Setup custom trust manager
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Soufiane Tahiri

How To Get Root Access On Android Emulator:

    Android Hacker's Handbook Joshua J. Drake,Zach Lanier,Collin Mulliner,Pau Oliva Fora,Stephen A. Ridley,Georg Wicherski,2014-03-26 The first comprehensive guide to discovering and preventing attacks on the Android OS As the Android operating system continues to increase its share of the smartphone market smartphone hacking remains a growing threat Written by experts who rank among the world s foremost Android security researchers this book presents vulnerability discovery analysis and exploitation tools for the good guys Following a detailed explanation of how the Android OS works and its overall security architecture the authors examine how vulnerabilities can be discovered and exploits developed for various system components preparing you to defend against them If you are a mobile device administrator security researcher Android app developer or consultant responsible for evaluating Android security you will find this guide is essential to your toolbox A crack team of leading Android security researchers explain Android security risks security design and architecture rooting fuzz testing and vulnerability analysis Covers Android application building blocks and security as well as debugging and auditing Android apps Prepares mobile device administrators security researchers Android app developers and security consultants to defend Android systems against attack Android Hacker s Handbook is the first comprehensive resource for IT professionals charged with smartphone security   **Penetration Testing with Java** Nancy Snoke,2025-01-09 DESCRIPTION The book provides a comprehensive exploration of Java security and penetration testing starting with foundational topics such as secure coding practices and the OWASP Top 10 for web applications The early chapters introduce penetration testing methodologies including Java web application specific mapping and reconnaissance techniques The gathering of information through OSINT and advanced search techniques is highlighted laying the crucial groundwork for testing Proxy tools like Burp Suite and OWASP Zap are shown offering insights into their configurations and capabilities for web application testing Each chapter does a deep dive into specific vulnerabilities and attack vectors associated with Java web and mobile applications Key topics include SQL injection cross site scripting XSS authentication flaws and session management issues Each chapter supplies background information testing examples and practical secure coding advice to prevent these vulnerabilities There is a distinct focus on hands on testing methodologies which prepares readers for real world security challenges By the end of this book you will be a confident Java security champion You will understand how to exploit vulnerabilities to mimic real world attacks enabling you to proactively patch weaknesses before malicious actors can exploit them KEY FEATURES Learn penetration testing basics for Java applications Discover web vulnerabilities testing techniques and secure coding practices Explore Java Android security SAST DAST and vulnerability mitigation WHAT YOU WILL LEARN Study the OWASP Top 10 and penetration testing methods Gain secure coding and testing techniques for vulnerabilities like XSS and CORS Find out about authentication cookie management and secure session practices Master access control and authorization testing including IDOR and privilege escalation Discover Android app security and tools for

SAST DAST and exploitation WHO THIS BOOK IS FOR This book is for Java developers software developers application developers quality engineers software testing teams and security analysts Prior knowledge of Java is required Some application security knowledge is helpful TABLE OF CONTENTS 1 Introduction Java Security Secure Coding and Penetration Testing 2 Reconnaissance and Mapping 3 Hands on with Web Proxies 4 Observability with SQL Injections 5 Misconfiguration with Default Values 6 CORS Exploitation 7 Exploring Vectors with DoS Attacks 8 Executing Business Logic Vulnerabilities 9 Authentication Protocols 10 Session Management 11 AuthorizationPractices 12 Java Deserialization Vulnerabilities 13 Java Remote Method Invocation Vulnerabilities 14 Java Native Interface Vulnerabilities 15 Static Analysis of Java Android Applications 16 Dynamic Analysis of Java Android Applications 17 Network Analysis of Java Android Applications Appendix

The Mobile Application Hacker's Handbook Dominic Chell,Tyrone Erasmus,Shaun Colley,Ollie Whitehouse,2015-02-24 See your app through a hacker s eyes to find the real sources of vulnerability The Mobile Application Hacker s Handbook is a comprehensive guide to securing all mobile applications by approaching the issue from a hacker s point of view Heavily practical this book provides expert guidance toward discovering and exploiting flaws in mobile applications on the iOS Android Blackberry and Windows Phone platforms You will learn a proven methodology for approaching mobile application assessments and the techniques used to prevent disrupt and remediate the various types of attacks Coverage includes data storage cryptography transport layers data leakage injection attacks runtime manipulation security controls and cross platform apps with vulnerabilities highlighted and detailed information on the methods hackers use to get around standard security Mobile applications are widely used in the consumer and enterprise markets to process and or store sensitive data There is currently little published on the topic of mobile security but with over a million apps in the Apple App Store alone the attack surface is significant This book helps you secure mobile apps by demonstrating the ways in which hackers exploit weak points and flaws to gain access to data Understand the ways data can be stored and how cryptography is defeated Set up an environment for identifying insecurities and the data leakages that arise Develop extensions to bypass security controls and perform injection attacks Learn the different attacks that apply specifically to cross platform apps IT security breaches have made big headlines with millions of consumers vulnerable as major corporations come under attack Learning the tricks of the hacker s trade allows security professionals to lock the app up tight For better mobile security and less vulnerable data The Mobile Application Hacker s Handbook is a practical comprehensive guide **Practical IoT Hacking** Fotios Chantzis,Ioannis Stais,Paulino Calderon,Evangelos Deirmentzoglou,Beau Woods,2021-03-23 The definitive guide to hacking the world of the Internet of Things IoT Internet connected devices such as medical devices home assistants smart home appliances and more Drawing from the real life exploits of five highly regarded IoT security researchers Practical IoT Hacking teaches you how to test IoT systems devices and protocols to mitigate risk The book begins by walking you through common threats and a threat modeling framework

You ll develop a security testing methodology discover the art of passive reconnaissance and assess security on all layers of an IoT system Next you ll perform VLAN hopping crack MQTT authentication abuse UPnP develop an mDNS poisoner and craft WS Discovery attacks You ll tackle both hardware hacking and radio hacking with in depth coverage of attacks against embedded IoT devices and RFID systems You ll also learn how to Write a DICOM service scanner as an NSE module Hack a microcontroller through the UART and SWD interfaces Reverse engineer firmware and analyze mobile companion apps Develop an NFC fuzzer using Proxmark3 Hack a smart home by jamming wireless alarms playing back IP camera feeds and controlling a smart treadmill The tools and devices you ll use are affordable and readily available so you can easily practice what you learn Whether you re a security researcher IT team member or hacking hobbyist you ll find Practical IoT Hacking indispensable in your efforts to hack all the things REQUIREMENTS Basic knowledge of Linux command line TCP IP and programming   Learn Penetration Testing with Python 3.x Yehia Elghaly,2021-10-07 Identify vulnerabilities across applications network and systems using simplified cybersecurity scripting KEY FEATURES Exciting coverage on red teaming methodologies and penetration testing techniques Explore the exploitation development environment and process of creating exploit scripts Includes powerful Python libraries to analyze the web and helps identifying critical vulnerabilities Conduct wireless attacks and identify potential threats using Python DESCRIPTION This book starts with an understanding of penetration testing and red teaming methodologies and teaches Python 3 x from scratch for those who are not familiar with programming The book gives the skills of how to create scripts for cracking and brute force attacks The second part of this book focuses on the network and wireless level The book teaches you the skills of how to create an offensive tool using Python 3 x to identify different services and ports using different Python network modules and conducting network attacks In the network monitoring section you will be able to monitor layers 3 and 4 And finally you will be able to conduct different attacks on wireless The last part of this book focuses on web applications and exploitation developments It focuses on how to create scripts to extract web information such as links images documents etc It also focuses on how to create scripts to identify and exploit web vulnerabilities and how to bypass WAF The last chapter of this book focuses on exploitation development starting with how to play with the stack and then moving on to how to use Python in fuzzing and creating exploitation scripts WHAT YOU WILL LEARN Learn to code Python scripts from scratch to identify web vulnerabilities Conduct network attacks create offensive tools and identify vulnerable services and ports Perform deep monitoring of network up to layers 3 and 4 Execute web scraping scripts to extract images documents and links WHO THIS BOOK IS FOR This book is for Penetration Testers Security Researchers Red Teams Security Auditors and IT Administrators who want to start with an action plan in protecting their IT systems All you need is some basic understanding of programming concepts and working of IT systems Hands on experience with python will be more beneficial but not required TABLE OF CONTENTS 1 Start with Penetration Testing and Basic Python 2 Cracking with Python 3 Service and Applications Brute Forcing with

Python 4 Python Services Identifications Ports and Banner 5 Python Network Modules and Nmap 6 Network Monitoring with Python 7 Attacking Wireless with Python 8 Analyze Web Applications with Python 9 Attack Web Application with Python 10 Exploitation Development with Python   Expert Android Satya Komatineni,Dave MacLean,Phani Kanakala,2013-07-02 From the leading publisher of Android books Apress Expert Android gives you advanced techniques for customizing views controls and layouts You ll learn to develop apps in record time using JSON Advanced Form Processing and the BaaS Backend As A Service platform Parse The book also includes extensive coverage on OpenGL Search and Telephony With these advanced and time saving technologies you ll be able to release compelling mobile applications in Google Play and the Amazon Appstore at a rapid pace In Expert Android you ll learn to Borrow reuse or build custom Android UI components Create 3D experiences using OpenGL ES 2 0 Write collaborative applications in the Parse cloud and communicate with your app user community through Parse Push Technology Reduce the time to market while creating rock solid apps for multiple devices Whether you are an individual or enterprise developer in Expert Android you ll find the advanced techniques and practices to take your mobile apps to the next level Regardless of the Android release this book serves as your definitive capstone reference for your Apress Android experience What you ll learn How to deliver impactful Apps cheaper better and faster How to develop for multiple devices and manage fragmentation in Android How to use Parse cloud for Storage Collaborative Social Apps and Push notifications How to create Custom Views Controls and Layouts How to create 3D experience with OpenGL ES 2 0 How to achieve speed to market through JSON Form processing and Parse How to eliminate memory leaks and poor performing code Who this book is for This book is for advanced Android app developers who have read used Pro Android already by the very same authors that bring you Expert Android Table of Contents01 Custom Views 02 Compound Views 03 Custom Layouts 04 Using JSON for On Device Persistence 05 Programming for multiple devices 06 Advanced Form Processing for Android 07 Using the Telephony API 08 Advanced Debugging and Analysis 09 Programming in OpenGL ES 2 0 for Android 10 Android Search User Experience 11 Android Search Providers 12 Android Search Custom Providers 13 Cloud storage for Applications Parse com 14 Enhancing Parse with Parcelables 15 Using Push Notifications with Parse

    Programming Android Zigurd R. Mednieks,2012 Explore Android s core building blocks and APIs in depth with this authoritative updated guide to create compelling apps that work on a full range of Android devices using proven approaches to app design and implementation   **Android Security** Anmol Misra,Abhishek Dubey,2016-04-19 Android Security Attacks and Defenses is for anyone interested in learning about the strengths and weaknesses of the Android platform from a security perspective Starting with an introduction to Android OS architecture and application programming it will help readers get up to speed on the basics of the Android platform and its security issues E   *Mastering Mobile Forensics* Soufiane Tahiri,2016-05-30 Develop the capacity to dig deeper into mobile device data acquisition About This Book A mastering guide to help you overcome the roadblocks you face when dealing with mobile forensics Excel at the art of extracting data

recovering deleted data bypassing screen locks and much more Get best practices to how to collect and analyze mobile device data and accurately document your investigations Who This Book Is For The book is for mobile forensics professionals who have experience in handling forensic tools and methods This book is designed for skilled digital forensic examiners mobile forensic investigators and law enforcement officers What You Will Learn Understand the mobile forensics process model and get guidelines on mobile device forensics Acquire in depth knowledge about smartphone acquisition and acquisition methods Gain a solid understanding of the architecture of operating systems file formats and mobile phone internal memory Explore the topics of of mobile security data leak and evidence recovery Dive into advanced topics such as GPS analysis file carving encryption encoding unpacking and decompiling mobile application processes In Detail Mobile forensics presents a real challenge to the forensic community due to the fast and unstoppable changes in technology This book aims to provide the forensic community an in depth insight into mobile forensic techniques when it comes to deal with recent smartphones operating systems Starting with a brief overview of forensic strategies and investigation procedures you will understand the concepts of file carving GPS analysis and string analyzing You will also see the difference between encryption encoding and hashing methods and get to grips with the fundamentals of reverse code engineering Next the book will walk you through the iOS Android and Windows Phone architectures and filesystem followed by showing you various forensic approaches and data gathering techniques You will also explore advanced forensic techniques and find out how to deal with third applications using case studies The book will help you master data acquisition on Windows Phone 8 By the end of this book you will be acquainted with best practices and the different models used in mobile forensics Style and approach The book is a comprehensive guide that will help the IT forensics community to go more in depth into the investigation process and mobile devices take over   Embedded Android Karim Yaghmour,2013-03-15 Embedded Android is for Developers wanting to create embedded systems based on Android and for those wanting to port Android to new hardware or creating a custom development environment Hackers and moders will also find this an indispensible guide to how Android works   **Learning Android Application Programming for the Kindle Fire** Lauren Darcey,Shane Conder,2012 Offers instructions on building applications for the Kindle Fire covering such topics as configuring the Android manifest file building an application framework the testing phase and publishing the finished product   **Information Systems Security and Privacy** Paolo Mori,Steven Furnell,Olivier Camp,2018-06-11 This book constitutes the revised selected papers of the Third International Conference on Information Systems Security and Privacy ICISSP 2017 held in Porto Portugal in February 2017 The 13 full papers presented were carefully reviewed and selected from a total of 100 submissions They are dealing with topics such as vulnerability analysis and countermeasures attack patterns discovery and intrusion detection malware classification and detection cryptography applications data privacy and anonymization security policy analysis enhanced access control and socio technical aspects of security   **Pro Android 5** Dave MacLean,Satya

Komatineni,Grant Allen,2015-06-15 Pro Android 5 shows you how to build real world and fun mobile apps using the Android 5 SDK This book updates the best selling Pro Android and covers everything from the fundamentals of building apps for smartphones tablets and embedded devices to advanced concepts such as custom components multi tasking sensors augmented reality better accessories support and much more Using the tutorials and expert advice you ll quickly be able to build cool mobile apps and run them on dozens of Android based smartphones You ll explore and use the Android APIs including those for media and sensors And you ll check out what s new in Android including the improved user interface across all Android platforms integration with services and more By reading this definitive tutorial and reference you ll gain the knowledge and experience to create stunning cutting edge Android apps that can make you money while keeping you agile enough to respond to changes in the future   **Penetration Testing** Georgia Weidman,2014-06-14 Penetration testers simulate cyber attacks to find security weaknesses in networks operating systems and applications Information security experts worldwide use penetration techniques to evaluate enterprise defenses In Penetration Testing security expert researcher and trainer Georgia Weidman introduces you to the core skills and techniques that every pentester needs Using a virtual machine based lab that includes Kali Linux and vulnerable operating systems you ll run through a series of practical lessons with tools like Wireshark Nmap and Burp Suite As you follow along with the labs and launch attacks you ll experience the key stages of an actual assessment including information gathering finding exploitable vulnerabilities gaining access to systems post exploitation and more Learn how to Crack passwords and wireless network keys with brute forcing and wordlists Test web applications for vulnerabilities Use the Metasploit Framework to launch exploits and write your own Metasploit modules Automate social engineering attacks Bypass antivirus software Turn access to one machine into total control of the enterprise in the post exploitation phase You ll even explore writing your own exploits Then it s on to mobile hacking Weidman s particular area of research with her tool the Smartphone Pentest Framework With its collection of hands on lessons that cover key tools and strategies Penetration Testing is the introduction that every aspiring hacker needs   **Information Security and Privacy Research** Dimitris Gritzalis,Steven Furnell,Marianthi Theoharidou,2012-06-06 This book constitutes the refereed proceedings of the 27th IFIP TC 11 International Information Security Conference SEC 2012 held in Heraklion Crete Greece in June 2012 The 42 revised full papers presented together with 11 short papers were carefully reviewed and selected from 167 submissions The papers are organized in topical sections on attacks and malicious code security architectures system security access control database security privacy attitudes and properties social networks and social engineering applied cryptography anonymity and trust usable security security and trust models security economics and authentication and delegation   **Introduction to Android (operating system)** Gilad James, PhD, Android is an open source operating system that has been developed by Google It is the most popular platform for smartphones and tablets accounting for almost 85% of the market share The operating system is based on Linux and includes a user friendly

interface that can be customized according to the user s preference Android has become popular because of its accessibility customizability and flexibility It comes equipped with a range of features including Google Assistant Google Play Store Google Maps and more The Android operating system is designed to run on a variety of devices including smartphones tablets and even smart TVs It allows users to download and install thousands of applications from the Google Play Store Google also provides regular updates to ensure the operating system is secure and includes new features Android s key features include multi tasking notifications widgets and an AI powered personal assistant in Google Assistant With Android being an open source platform developers can build customized versions for different types of devices and create applications that work seamlessly with the operating system   Combating Crime on the Dark Web Nearchos Nearchou,2023-02-03 Know your enemy and counter the dark web criminality with this easy to follow guide including a detailed tour of the dark web ecosystem and the tools and tactics used to mitigate cyber threats Key FeaturesGet up to speed with the ins and outs of cybercriminal activity on the dark webBecome familiar with the tools and techniques that are used to fight serious crimeGain a keen understanding of the crime ecosystem on the dark web and the best practices to keep it in checkBook Description In today s world the crime prevention landscape is impossible to navigate The dark web means new frontiers of combat against bad actors that pop up daily Everyone from narcotics dealers to human traffickers are exploiting the dark web to evade authorities If you want to find your feet in this tricky terrain and fight crime on the dark web take this comprehensive easy to follow cyber security guide with you Combating Crime on the Dark Web contains everything you need to be aware of when tackling the world of the dark web Step by step you ll gain acumen in the tactics that cybercriminals are adopting and be equipped with the arsenal of strategies that are available to you as a cybersecurity specialist This cyber security book ensures that you are well acquainted with all the latest techniques to combat dark web criminality After a primer on cybercrime and the history of the dark web you ll dive right into the main domains of the dark web ecosystem reaching a working understanding of how drug markets child pornography and human trafficking operate Once well versed with the functioning of criminal groups you ll be briefed on the most effective tools and methods being employed by law enforcement tech companies and others to combat such crimes developing both a toolkit and a mindset that can help you stay safe from such criminal activities and can be applied in any sector or domain By the end of this book you ll be well prepared to begin your pushback against the criminal elements of the dark web What you will learnUnderstand the history of cybercrime the dark web and the use of TorDiscover the ecosystem of dark web drug marketsBecome familiar with the methods law enforcement use to stop child abusersDive deep into real life human trafficking cases and how they were tackledExplore sting operations honeypots and cybercrime prevention methodologiesGain expertise in Pipl Search MEMEX BITCRIME and other anti crime toolsInvestigate open source intelligence and intelligence led policingSet up a framework for disrupting organized crime on the dark webWho this book is for This book is for aspiring cybercrime investigators cybersecurity

enthusiasts and anyone else who is interested in learning about this dark side of the internet The book mainly focuses on preventing crimes on the dark web and is written in a simple way so that you can understand it with ease   Investigating the Cyber Breach Joseph Muniz,Aamir Lakhani,2018-01-31 Investigating the Cyber Breach The Digital Forensics Guide for the Network Engineer Understand the realities of cybercrime and today s attacks Build a digital forensics lab to test tools and methods and gain expertise Take the right actions as soon as you discover a breach Determine the full scope of an investigation and the role you ll play Properly collect document and preserve evidence and data Collect and analyze data from PCs Macs IoT devices and other endpoints Use packet logs NetFlow and scanning to build timelines understand network activity and collect evidence Analyze iOS and Android devices and understand encryption related obstacles to investigation Investigate and trace email and identify fraud or abuse Use social media to investigate individuals or online identities Gather extract and analyze breach data with Cisco tools and techniques Walk through common breaches and responses from start to finish Choose the right tool for each task and explore alternatives that might also be helpful The professional s go to digital forensics resource for countering attacks right now Today cybersecurity and networking professionals know they can t possibly prevent every breach but they can substantially reduce risk by quickly identifying and blocking breaches as they occur Investigating the Cyber Breach The Digital Forensics Guide for the Network Engineer is the first comprehensive guide to doing just that Writing for working professionals senior cybersecurity experts Joseph Muniz and Aamir Lakhani present up to the minute techniques for hunting attackers following their movements within networks halting exfiltration of data and intellectual property and collecting evidence for investigation and prosecution You ll learn how to make the most of today s best open source and Cisco tools for cloning data analytics network and endpoint breach detection case management monitoring analysis and more Unlike digital forensics books focused primarily on post attack evidence gathering this one offers complete coverage of tracking threats improving intelligence rooting out dormant malware and responding effectively to breaches underway right now This book is part of the Networking Technology Security Series from Cisco Press which offers networking professionals valuable information for constructing efficient networks understanding new technologies and building successful careers   **Android Development with Flash** Julian Dolce,2011-01-13 The visual guide to developing for one of the world s hottest new mobile platforms the Android OS The Android operating system works on phones that combine a camera Web browser e mail GPS and mapping tool into a single accessible pocket sized unit and can function on computers as well Aimed at visual learners and packed with hundreds of screen shots this guide brings Flash developers up to speed on the necessary factors to take into account when developing for this touch based mobile platform Experienced Flash developer Julian Dolce escorts you through the process of creating applications for the Android OS using the Flash CS5 development platform and informs you of best practices to try as well as common pitfalls to avoid Guides you step by step through the process of creating applications for the Android OS using Flash CS5 Explores the capabilities and

limitations of developing apps for the Android OS Points out common pitfalls and teaches you best practices Features hundreds of screen shots to assist with visual learning Android Development with Flash Your visual blueprint for developing mobile apps gets you on your way to developing apps for Android in a flash **Penetration Testing for Jobseekers** Debasish Mandal,2022-04-19 Understand and Conduct Ethical Hacking and Security Assessments KEY FEATURES Practical guidance on discovering assessing and mitigating web network mobile and wireless vulnerabilities Experimentation with Kali Linux Burp Suite MobSF Metasploit and Aircrack suite In depth explanation of topics focusing on how to crack ethical hacking interviews DESCRIPTION Penetration Testing for Job Seekers is an attempt to discover the way to a spectacular career in cyber security specifically penetration testing This book offers a practical approach by discussing several computer and network fundamentals before delving into various penetration testing approaches tools and techniques Written by a veteran security professional this book provides a detailed look at the dynamics that form a person s career as a penetration tester This book is divided into ten chapters and covers numerous facets of penetration testing including web application network Android application wireless penetration testing and creating excellent penetration test reports This book also shows how to set up an in house hacking lab from scratch to improve your skills A penetration tester s professional path possibilities average day and day to day obstacles are all outlined to help readers better grasp what they may anticipate from a cybersecurity career Using this book readers will be able to boost their employability and job market relevance allowing them to sprint towards a lucrative career as a penetration tester WHAT YOU WILL LEARN Perform penetration testing on web apps networks android apps and wireless networks Access to the most widely used penetration testing methodologies and standards in the industry Use an artistic approach to find security holes in source code Learn how to put together a high quality penetration test report Popular technical interview questions on ethical hacker and pen tester job roles Exploration of different career options paths and possibilities in cyber security WHO THIS BOOK IS FOR This book is for aspiring security analysts pen testers ethical hackers anyone who wants to learn how to become a successful pen tester A fundamental understanding of network principles and workings is helpful but not required TABLE OF CONTENTS 1 Cybersecurity Career Path and Prospects 2 Introduction to Penetration Testing 3 Setting Up Your Lab for Penetration Testing 4 Web Application and API Penetration Testing 5 The Art of Secure Source Code Review 6 Penetration Testing Android Mobile Applications 7 Network Penetration Testing 8 Wireless Penetration Testing 9 Report Preparation and Documentation 10 A Day in the Life of a Pen Tester

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