Quick answers to common problems

Kali Linux Cookbook

Over 70 recipes to help you master Kali Linux for effective penetration security testing

Willie L. Pritchett   David De Smet   [PACKT] open source*

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   Kali Linux Cookbook Willie L. Pritchett,David De Smet,2013-10-15 A practical cookbook style with numerous chapters and recipes explaining the penetration testing The cookbook style recipes allow you to go directly to your topic of interest if you are an expert using this book as a reference or to follow topics throughout a chapter to gain in depth knowledge if you are a beginner This book is ideal for anyone who wants to get up to speed with Kali Linux It would also be an ideal book to use as a reference for seasoned penetration testers   **Kali Linux Network Scanning Cookbook** Justin Hutchens,2014-08-21 Kali Linux Network Scanning Cookbook is intended for information security professionals and casual security enthusiasts alike It will provide the foundational principles for the novice reader but will also introduce scripting techniques and in depth analysis for the more advanced audience Whether you are brand new to Kali Linux or a seasoned veteran this book will aid in both understanding and ultimately mastering many of the most powerful and useful scanning techniques in the industry It is assumed that the reader has some basic security testing experience   *Kali Linux Wireless Penetration Testing Cookbook* Sean-Philip Oriyano,2017-12-13 Over 60 powerful recipes to scan exploit and crack wireless networks for ethical purposes About This Book Expose wireless security threats through the eyes of an attacker Recipes to help you proactively identify vulnerabilities and apply intelligent remediation Acquire and apply key wireless pentesting skills used by industry experts Who This Book Is For If you are a security professional administrator and a network professional who wants to enhance their wireless penetration testing skills and knowledge then this book is for you Some prior experience with networking security and concepts is expected What You Will Learn Deploy and configure a wireless cyber lab that resembles an enterprise production environment Install Kali Linux 2017 3 on your laptop and configure the wireless adapter Learn the fundamentals of commonly used wireless penetration testing techniques Scan and enumerate Wireless LANs and access points Use vulnerability scanning techniques to reveal flaws and weaknesses Attack Access Points to gain access to critical networks In Detail More and more organizations are moving towards wireless networks and Wi Fi is a popular choice The security of wireless networks is more important than ever before due to the widespread usage of Wi Fi networks This book contains recipes that will enable you to maximize the success of your wireless network testing using the advanced ethical hacking features of Kali Linux This book will go through techniques associated with a wide range of wireless penetration tasks including WLAN discovery scanning WEP cracking WPA WPA2 cracking attacking access point systems operating system identification vulnerability mapping and validation of results You will learn how to utilize the arsenal of tools available in Kali Linux to penetrate any wireless networking environment You will also be shown how to identify remote services how to assess security risks and how various attacks are performed By finishing the recipes you will feel confident conducting wireless penetration tests and will be able to protect yourself or your organization from wireless security threats Style and approach The book will provide the foundation principles techniques and in depth analysis to effectively master

wireless penetration testing It will aid you in understanding and mastering many of the most powerful and useful wireless testing techniques in the industry *Kali Linux Network Scanning Cookbook* Michael Hixon,Justin Hutchens,2017-05-26 Over 100 practical recipes that leverage custom scripts and integrated tools in Kali Linux to help you effectively master network scanning About This Book Learn the fundamentals behind commonly used scanning techniques Deploy powerful scanning tools that are integrated into the Kali Linux testing platform The practical recipes will help you automate menial tasks and build your own script library Who This Book Is For This book is for information security professionals and casual security enthusiasts alike It provides foundational principles if you re a novice but will also introduce scripting techniques and in depth analysis if you re more advanced Whether you are brand new to Kali Linux or a seasoned veteran this book will help you both understand and ultimately master many of the most powerful and useful scanning techniques in the industry It is assumed that you have some basic security testing experience What You Will Learn Develop a network testing environment to test scanning tools and techniques Understand the principles of network scanning tools by building scripts and tools Identify distinct vulnerabilities in web apps and remote services and learn how they are exploited Perform comprehensive scans to identify listening on TCP and UDP sockets Get started with different Kali desktop environments KDE MATE LXDE and Xfce Use Sparta for information gathering port scanning fingerprinting vulnerability scanning and more Evaluate DoS threats and learn how common DoS attacks are performed Learn how to use Burp Suite to evaluate web applications In Detail With the ever increasing amount of data flowing in today s world information security has become vital to any application This is where Kali Linux comes in Kali Linux focuses mainly on security auditing and penetration testing This step by step cookbook on network scanning trains you in important scanning concepts based on version 2016 2 It will enable you to conquer any network environment through a range of network scanning techniques and will also equip you to script your very own tools Starting with the fundamentals of installing and managing Kali Linux this book will help you map your target with a wide range of network scanning tasks including discovery port scanning fingerprinting and more You will learn how to utilize the arsenal of tools available in Kali Linux to conquer any network environment The book offers expanded coverage of the popular Burp Suite and has new and updated scripts for automating scanning and target exploitation You will also be shown how to identify remote services how to assess security risks and how various attacks are performed You will cover the latest features of Kali Linux 2016 2 which includes the enhanced Sparta tool and many other exciting updates This immersive guide will also encourage the creation of personally scripted tools and the skills required to create them Style and approach This step by step guide is full of recipes that will help you use integrated scanning tools in Kali Linux and develop custom scripts to make new and unique tools of your own Mastering Linux Network Administration Jay LaCroix,2015-11-03 Master the skills and techniques that are required to design deploy and administer real Linux based networks About This Book Master the art of using Linux and administering network services for enterprise environments Perform hands on

activities to reinforce expert level knowledge Get full coverage of both the CentOS and Debian systems including how networking concepts differ for each Who This Book Is For Mastering Linux Network Administration is recommended for those who already understand the basics of using Linux and networking and would like to push those skills to a higher level through real world Linux networking scenarios Whether you intend to run a home office consisting of Linux nodes or a rollout of a Linux network within your organization this book is a great fit for those that desire to learn how to manage networked systems with the power of Linux What You Will Learn Install and configure the Debian and CentOS systems Set up and configure file servers Administer networked nodes remotely Discover how to monitor system performance for peak health Configure network services such as DNS and DHCP Host HTTP content via Apache Troubleshoot Linux networking issues In Detail Linux is everywhere Whether you run a home office a small business or manage enterprise systems Linux can empower your network to perform at its very best Armed with the advanced tools and best practice guidance of this practical guide you ll be able to mold Linux networks to your will empowering your systems and their users to take advantage of all that Linux based networks have to offer Understand how Linux networks function and get to grips with essential tips and tricks to manage them whether you re already managing a networks or even just starting out With Debian and CentOS as its source this book will divulge all the details you need to manage a real Linux based network With detailed activities and instructions based on real world scenarios this book will be your guide to the exciting world of Linux networking Style and approach This practical guide will walk you through all the core concepts required to manage real Linux based networks

Web Penetration Testing with Kali Linux Juned Ahmed Ansari,2015-11-26 Build your defense against web attacks with Kali Linux 2 0 About This Book Gain a deep understanding of the flaws in web applications and exploit them in a practical manner Get hands on web application hacking experience with a range of tools in Kali Linux 2 0 Develop the practical skills required to master multiple tools in the Kali Linux 2 0 toolkit Who This Book Is For If you are already working as a network penetration tester and want to expand your knowledge of web application hacking then this book tailored for you Those who are interested in learning more about the Kali Sana tools that are used to test web applications will find this book a thoroughly useful and interesting guide What You Will Learn Set up your lab with Kali Linux 2 0 Identify the difference between hacking a web application and network hacking Understand the different techniques used to identify the flavor of web applications 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 Find out about the mitigation techniques used to negate the effects of the Injection and Blind SQL attacks In Detail Kali Linux 2 0 is the new generation of the industry leading BackTrack Linux penetration testing and security auditing Linux distribution It contains several hundred tools aimed at various information security tasks such as penetration testing forensics and reverse engineering At the beginning of the book you will be introduced to the concepts of hacking and penetration testing and will get to know about

the tools used in Kali Linux 2 0 that relate to web application hacking Then you will gain a deep understanding of SQL and command injection flaws and ways to exploit the flaws Moving on you will get to know more about scripting and input validation flaws AJAX and the security issues related to AJAX At the end of the book you will use an automated technique called fuzzing to be able to identify flaws in a web application Finally you will understand the web application vulnerabilities and the ways in which they can be exploited using the tools in Kali Linux 2 0 Style and approach This step by step guide covers each topic with detailed practical examples Every concept is explained with the help of illustrations using the tools available in Kali Linux 2 0 **Learning Docker** Pethuru Raj,Jeeva S. Chelladhurai,Vinod Singh,2015-06-29 Docker is a next generation platform for simplifying application containerization life cycle Docker allows you to create a robust and resilient environment in which you can generate portable composable scalable and stable application containers This book is a step by step guide that will walk you through the various features of Docker from Docker software installation to the impenetrable security of containers The book starts off by elucidating the installation procedure for Docker and a few troubleshooting techniques You will be introduced to the process of downloading Docker images and running them as containers You ll learn how to run containers as a service CaaS and also discover how to share data among containers Later on you ll explore how to establish the link between containers and orchestrate containers using Docker Compose You will also come across relevant details about application testing inside a container You will discover how to debug a container using the docker exec command and the nsenter tool Finally you will learn how to secure your containers with SELinux and other proven methods

Learning Network Forensics Samir Datt,2016-02-29 Identify and safeguard your network against both internal and external threats hackers and malware attacks About This Book Lay your hands on physical and virtual evidence to understand the sort of crime committed by capturing and analyzing network traffic Connect the dots by understanding web proxies firewalls and routers to close in on your suspect A hands on guide to help you solve your case with malware forensic methods and network behaviors Who This Book Is For If you are a network administrator system administrator information security or forensics professional and wish to learn network forensic to track the intrusions through network based evidence then this book is for you Basic knowledge of Linux and networking concepts is expected What You Will Learn Understand Internetworking sources of network based evidence and other basic technical fundamentals including the tools that will be used throughout the book Acquire evidence using traffic acquisition software and know how to manage and handle the evidence Perform packet analysis by capturing and collecting data along with content analysis Locate wireless devices as well as capturing and analyzing wireless traffic data packets Implement protocol analysis and content matching acquire evidence from NIDS NIPS Act upon the data and evidence gathered by being able to connect the dots and draw links between various events Apply logging and interfaces along with analyzing web proxies and understanding encrypted web traffic Use IOCs Indicators of Compromise and build real world forensic solutions dealing with malware In Detail We live in a

highly networked world Every digital device phone tablet or computer is connected to each other in one way or another In this new age of connected networks there is network crime Network forensics is the brave new frontier of digital investigation and information security professionals to extend their abilities to catch miscreants on the network The book starts with an introduction to the world of network forensics and investigations You will begin by getting an understanding of how to gather both physical and virtual evidence intercepting and analyzing network data wireless data packets investigating intrusions and so on You will further explore the technology tools and investigating methods using malware forensics network tunneling and behaviors By the end of the book you will gain a complete understanding of how to successfully close a case Style and approach An easy to follow book filled with real world case studies and applications Each topic is explained along with all the practical tools and software needed allowing the reader to use a completely hands on approach *An Ethical Guide to Cyber Anonymity* Kushantha Gunawardana,2022-12-16 Dive into privacy security and online anonymity to safeguard your identity Key FeaturesLeverage anonymity to completely disappear from the public viewBe a ghost on the web use the web without leaving a trace and master the art of invisibilityBecome proactive to safeguard your privacy while using the webBook Description As the world becomes more connected through the web new data collection innovations have opened up more ways to compromise privacy Your actions on the web are being tracked information is being stored and your identity could be stolen However there are ways to use the web without risking your privacy This book will take you on a journey to become invisible and anonymous while using the web You will start the book by understanding what anonymity is and why it is important After understanding the objective of cyber anonymity you will learn to maintain anonymity and perform tasks without disclosing your information Then you ll learn how to configure tools and understand the architectural components of cybereconomy Finally you will learn to be safe during intentional and unintentional internet access by taking relevant precautions By the end of this book you will be able to work with the internet and internet connected devices safely by maintaining cyber anonymity What you will learnUnderstand privacy concerns in cyberspaceDiscover how attackers compromise privacyLearn methods used by attackers to trace individuals and companiesGrasp the benefits of being anonymous over the webDiscover ways to maintain cyber anonymityLearn artifacts that attackers and competitors are interested inWho this book is for This book is targeted at journalists security researchers ethical hackers and anyone who wishes to stay anonymous while using the web This book is also for parents who wish to keep their kid s identities anonymous on the web *Aprenda a ficar Anônimo na Internet* Kushantha Gunawardana,2023-04-12 medida que o mundo foi se tornando mais conectado internet novas tecnologias na coleta de dados abriram maneiras de explorar a privacidade Tudo o que voc faz na internet rastreado suas informa es est o sendo armazenadas e sua identidade pode ser roubada No entanto existem maneiras de usar a internet sem arriscar sua privacidade Este livro o levar a uma jornada para se tornar invis vel e an nimo ao usar a internet Voc come ar o livro entendendo o que o anonimato e por que ele importante Ap s compreender o

objetivo do anonimato na internet aprender a mant lo e a realizar tarefas sem divulgar suas informa es Em seguida aprender como configurar ferramentas e entender os componentes arquitet nicos da economia digital Por fim aprender como permanecer seguro ao acessar a internet seja intencionalmente ou n o e como tomar as devidas precau es Ao final deste livro voc ser capaz de trabalhar com a internet e com dispositivos conectados internet com seguran a e mantendo seu anonimato Voc ser capaz de Entender as preocupa es com a privacidade na internet Descobrir como hackers comprometem a privacidade Aprender m todos usados por hackers para rastrear indiv duos e empresas Entender os benef cios de permanecer an nimo na internet Descobrir maneiras de manter o anonimato na internet Conhecer os artefatos que hackers e concorrentes est o interessados em coletar de voc **Kali Linux Cookbook - Second Edition** Willie Pritchett,David De Smet,2016-05-31 Kali Linux is an open source Linux distribution for security digital forensics and penetration testing tools and is now an operating system for Linux users It is the successor to BackTrack the world s most popular penetration testing distribution tool In this age where online information is at its most vulnerable knowing how to execute penetration testing techniques such as wireless and password attacks which hackers use to break into your system or network help you plug loopholes before it s too late and can save you countless hours and money Kali Linux Cookbook Second Edition is an invaluable guide teaching you how to install Kali Linux and set up a virtual environment to perform your tests You will learn how to eavesdrop and intercept traffic on wireless networks bypass intrusion detection systems attack web applications check for open ports and perform data forensics This book follows the logical approach of a penetration test from start to finish with many screenshots and illustrations that help to explain each tool in detail This book serves as an excellent source of information for security professionals and novices alike **Kali Linux - An Ethical Hacker's Cookbook** Himanshu Sharma,2019-03-29 Discover end to end penetration testing solutions to enhance your ethical hacking skills Key FeaturesPractical recipes to conduct effective penetration testing using the latest version of Kali LinuxLeverage tools like Metasploit Wireshark Nmap and more to detect vulnerabilities with easeConfidently perform networking and application attacks using task oriented recipesBook Description Many organizations have been affected by recent cyber events At the current rate of hacking it has become more important than ever to pentest your environment in order to ensure advanced level security This book is packed with practical recipes that will quickly get you started with Kali Linux version 2018 4 2019 in addition to covering the core functionalities The book will get you off to a strong start by introducing you to the installation and configuration of Kali Linux which will help you to perform your tests You will also learn how to plan attack strategies and perform web application exploitation using tools such as Burp and JexBoss As you progress you will get to grips with performing network exploitation using Metasploit Sparta and Wireshark The book will also help you delve into the technique of carrying out wireless and password attacks using tools such as Patator John the Ripper and airoscript ng Later chapters will draw focus to the wide range of tools that help in forensics investigations and incident response mechanisms As you

wrap up the concluding chapters you will learn to create an optimum quality pentest report By the end of this book you will be equipped with the knowledge you need to conduct advanced penetration testing thanks to the book s crisp and task oriented recipes What you will learnLearn how to install set up and customize Kali for pentesting on multiple platformsPentest routers and embedded devicesGet insights into fiddling around with software defined radioPwn and escalate through a corporate networkWrite good quality security reportsExplore digital forensics and memory analysis with Kali LinuxWho this book is for If you are an IT security professional pentester or security analyst who wants to conduct advanced penetration testing techniques then this book is for you Basic knowledge of Kali Linux is assumed *Kali Linux Intrusion and Exploitation Cookbook* Ishan Girdhar,Dhruv Shah,2017-04-21 Over 70 recipes for system administrators or DevOps to master Kali Linux 2 and perform effective security assessments About This Book Set up a penetration testing lab to conduct a preliminary assessment of attack surfaces and run exploits Improve your testing efficiency with the use of automated vulnerability scanners Work through step by step recipes to detect a wide array of vulnerabilities exploit them to analyze their consequences and identify security anomalies Who This Book Is For This book is intended for those who want to know more about information security In particular it s ideal for system administrators and system architects who want to ensure that the infrastructure and systems they are creating and managing are secure This book helps both beginners and intermediates by allowing them to use it as a reference book and to gain in depth knowledge What You Will Learn Understand the importance of security assessments over merely setting up and managing systems processes Familiarize yourself with tools such as OPENVAS to locate system and network vulnerabilities Discover multiple solutions to escalate privileges on a compromised machine Identify security anomalies in order to make your infrastructure secure and further strengthen it Acquire the skills to prevent infrastructure and application vulnerabilities Exploit vulnerabilities that require a complex setup with the help of Metasploit In Detail With the increasing threats of breaches and attacks on critical infrastructure system administrators and architects can use Kali Linux 2 0 to ensure their infrastructure is secure by finding out known vulnerabilities and safeguarding their infrastructure against unknown vulnerabilities This practical cookbook style guide contains chapters carefully structured in three phases information gathering vulnerability assessment and penetration testing for the web and wired and wireless networks It s an ideal reference guide if you re looking for a solution to a specific problem or learning how to use a tool We provide hands on examples of powerful tools scripts designed for exploitation In the final section we cover various tools you can use during testing and we help you create in depth reports to impress management We provide system engineers with steps to reproduce issues and fix them Style and approach This practical book is full of easy to follow recipes with based on real world problems faced by the authors Each recipe is divided into three sections clearly defining what the recipe does what you need and how to do it The carefully structured recipes allow you to go directly to your topic of interest **Kali Linux Cookbook** Corey P. Schultz,Bob Perciaccante,2017-09-12 Over 80 recipes

to effectively test your network and boost your career in security About This Book Learn how to scan networks to find vulnerable computers and servers Hack into devices to control them steal their data and make them yours Target wireless networks databases and web servers and password cracking to make the most of Kali Linux Who This Book Is For If you are looking to expand your career into penetration testing you will need a good understanding of Kali Linux and the variety of tools it includes This book will work as a perfect guide for anyone who wants to have a practical approach in leveraging penetration testing mechanisms using Kali Linux What You Will Learn Acquire the key skills of ethical hacking to perform penetration testing Learn how to perform network reconnaissance Discover vulnerabilities in hosts Attack vulnerabilities to take control of workstations and servers Understand password cracking to bypass security Learn how to hack into wireless networks Attack web and database servers to exfiltrate data Obfuscate your command and control connections to avoid firewall and IPS detection In Detail Kali Linux is a Linux distribution designed for penetration testing and security auditing It is the successor to BackTrack the world s most popular penetration testing distribution Kali Linux is the most widely used platform and toolkit for penetration testing Security is currently the hottest field in technology with a projected need for millions of security professionals This book focuses on enhancing your knowledge in Kali Linux for security by expanding your skills with toolkits and frameworks that can increase your value as a security professional Kali Linux Cookbook Second Edition starts by helping you install Kali Linux on different options available You will also be able to understand the lab architecture and install a Windows host for use in the lab Next you will understand the concept of vulnerability analysis and look at the different types of exploits The book will introduce you to the concept and psychology of Social Engineering and password cracking You will then be able to use these skills to expand the scope of any breaches you create Finally the book will guide you in exploiting specific technologies and gaining access to other systems in the environment By the end of this book you will have gained the core knowledge and concepts of the penetration testing process Style and approach This book teaches you everything you need to know about Kali Linux from the perspective of a penetration tester It is filled with powerful recipes and practical examples that will help you gain in depth knowledge of Kali Linux   **Kali Linux Pentesting Cookbook** Himanshu Sharma,2017-10-16 Over 120 recipes to perform advanced penetration testing with Kali LinuxAbout This Book Practical recipes to conduct effective penetration testing using the powerful Kali Linux Leverage tools like Metasploit Wireshark Nmap and many more to detect vulnerabilities with ease Confidently perform networking and application attacks using task oriented recipesWho This Book Is ForThis book is aimed at IT security professionals pentesters and security analysts who have basic knowledge of Kali Linux and want to conduct advanced penetration testing techniques What You Will Learn Installing setting up and customizing Kali for pentesting on multiple platforms Pentesting routers and embedded devices Bug hunting 2017 Pwning and escalating through corporate network Buffer over ows 101 Auditing wireless networks Fiddling around with software defned radio Hacking on the run with NetHunter Writing good quality

reportsIn DetailWith the current rate of hacking it is very important to pentest your environment in order to ensure advanced level security This book is packed with practical recipes that will quickly get you started with Kali Linux version 2016 2 according to your needs and move on to core functionalities This book will start with the installation and configuration of Kali Linux so that you can perform your tests You will learn how to plan attack strategies and perform web application exploitation using tools such as Burp and Jexboss You will also learn how to perform network exploitation using Metasploit Sparta and Wireshark Next you will perform wireless and password attacks using tools such as Patator John the Ripper and airoscript ng Lastly you will learn how to create an optimum quality pentest report By the end of this book you will know how to conduct advanced penetration testing thanks to the book s crisp and task oriented recipes Style and approachThis is a recipe based book that allows you to venture into some of the most cutting edge practices and techniques to perform penetration testing with Kali Linux **Kali Linux - An Ethical Hacker's Cookbook** Himanshu Sharma,2017-10-17 Over 120 recipes to perform advanced penetration testing with Kali Linux About This Book Practical recipes to conduct effective penetration testing using the powerful Kali Linux Leverage tools like Metasploit Wireshark Nmap and many more to detect vulnerabilities with ease Confidently perform networking and application attacks using task oriented recipes Who This Book Is For This book is aimed at IT security professionals pentesters and security analysts who have basic knowledge of Kali Linux and want to conduct advanced penetration testing techniques What You Will Learn Installing setting up and customizing Kali for pentesting on multiple platforms Pentesting routers and embedded devices Bug hunting 2017 Pwning and escalating through corporate network Buffer overflows 101 Auditing wireless networks Fiddling around with software defned radio Hacking on the run with NetHunter Writing good quality reports In Detail With the current rate of hacking it is very important to pentest your environment in order to ensure advanced level security This book is packed with practical recipes that will quickly get you started with Kali Linux version 2016 2 according to your needs and move on to core functionalities This book will start with the installation and configuration of Kali Linux so that you can perform your tests You will learn how to plan attack strategies and perform web application exploitation using tools such as Burp and Jexboss You will also learn how to perform network exploitation using Metasploit Sparta and Wireshark Next you will perform wireless and password attacks using tools such as Patator John the Ripper and airoscript ng Lastly you will learn how to create an optimum quality pentest report By the end of this book you will know how to conduct advanced penetration testing thanks to the book s crisp and task oriented recipes Style and approach This is a recipe based book that allows you to venture into some of the most cutting edge practices and techniques to perform penetration testing with Kali Linux **Kali Linux Mastery** Michael David Deal,2023-01-17 Kali Linux Mastery The Complete Guide to Understanding and Utilizing Kali Linux for Ethical Hacking and Cybersecurity is a comprehensive guide to understanding and utilizing the power of Kali Linux for ethical hacking and cybersecurity Written for beginners and experienced hackers alike this book takes you step by step

through the process of understanding and using the tools and techniques of Kali Linux to protect your network and defend against cyber threats With clear explanations and hands on examples this book will teach you how to use Kali Linux to perform penetration testing vulnerability scanning and forensic analysis as well as how to use the tools and techniques of Kali Linux to improve your overall cybersecurity posture This book is a must have resource for anyone interested in learning the power of Kali Linux **Kali Linux Network Scanning Cookbook** Michael Hixon,Justin Hutchens,2017-05-26 Over 100 practical recipes that leverage custom scripts and integrated tools in Kali Linux to help you effectively master network scanningAbout This Book Learn the fundamentals behind commonly used scanning techniques Deploy powerful scanning tools that are integrated into the Kali Linux testing platform The practical recipes will help you automate menial tasks and build your own script libraryWho This Book Is ForThis book is for information security professionals and casual security enthusiasts alike It provides foundational principles if youre a novice but will also introduce scripting techniques and in depth analysis if youre more advanced Whether you are brand new to Kali Linux or a seasoned veteran this book will help you both understand and ultimately master many of the most powerful and useful scanning techniques in the industry It is assumed that you have some basic security testing experience What You Will Learn Develop a network testing environment to test scanning tools and techniques Understand the principles of network scanning tools by building scripts and tools Identify distinct vulnerabilities in web apps and remote services and learn how they are exploited Perform comprehensive scans to identify listening on TCP and UDP sockets Get started with different Kali desktop environments KDE MATE LXDE and Xfce Use Sparta for information gathering port scanning fingerprinting vulnerability scanning and more Evaluate DoS threats and learn how common DoS attacks are performed Learn how to use Burp Suite to evaluate web applicationsIn DetailWith the ever increasing amount of data flowing in todays world information security has become vital to any application This is where Kali Linux comes in Kali Linux focuses mainly on security auditing and penetration testing This step by step cookbook on network scanning trains you in important scanning concepts based on version 2016 2 It will enable you to conquer any network environment through a range of network scanning techniques and will also equip you to script your very own tools Starting with the fundamentals of installing and managing Kali Linux this book will help you map your target with a wide range of network scanning tasks including discovery port scanning fingerprinting and more You will learn how to utilize the arsenal of tools available in Kali Linux to conquer any network environment The book offers expanded coverage of the popular Burp Suite and has new and updated scripts for automating scanning and target exploitation You will also be shown how to identify remote services how to assess security risks and how various attacks are performed You will cover the latest features of Kali Linux 2016 2 which includes the enhanced Sparta tool and many other exciting updates This immersive guide will also encourage the creation of personally scripted tools and the skills required to create them Style and approachThis step by step guide is full of recipes that will help you use integrated scanning tools in Kali Linux and develop

custom scripts to make new and unique tools of your own   *Kali Linux - An Ethical Hacker's Cookbook - Second Edition* Himanshu Sharma,2019 Discover end to end penetration testing solutions to enhance your ethical hacking skills Key Features Practical recipes to conduct effective penetration testing using the latest version of Kali Linux Leverage tools like Metasploit Wireshark Nmap and more to detect vulnerabilities with ease Confidently perform networking and application attacks using task oriented recipes Book Description Many organizations have been affected by recent cyber events At the current rate of hacking it has become more important than ever to pentest your environment in order to ensure advanced level security This book is packed with practical recipes that will quickly get you started with Kali Linux version 2018 4 2019 in addition to covering the core functionalities The book will get you off to a strong start by introducing you to the installation and configuration of Kali Linux which will help you to perform your tests You will also learn how to plan attack strategies and perform web application exploitation using tools such as Burp and JexBoss As you progress you will get to grips with performing network exploitation using Metasploit Sparta and Wireshark The book will also help you delve into the technique of carrying out wireless and password attacks using tools such as Patator John the Ripper and airoscript ng Later chapters will draw focus to the wide range of tools that help in forensics investigations and incident response mechanisms As you wrap up the concluding chapters you will learn to create an optimum quality pentest report By the end of this book you will be equipped with the knowledge you need to conduct advanced penetration testing thanks to the book s crisp and task oriented recipes What you will learn Learn how to install set up and customize Kali for pentesting on multiple platforms Pentest routers and embedded devices Get insights into fiddling around with software defined radio Pwn and escalate through a corporate network Write good quality security reports Explore digital forensics and memory analysis with Kali Linux Who this book is for If you are an IT security professional pentester or security analyst who wants to conduct advanced penetration testing techniques then this book is for you Basic knowledge of Kali Linux is assumed Downloading the example code for this book You can download the example code files for all Packt books you have purchased from your account at http www PacktPub com If you purchas   **KALI LINUX (Series)** Robert White,2021-06 55 % discount for bookstores Now At 23 99 instead of 37 18 Your customers will never stop reading this guide KALI LINUX The goal of the eBook is simple The eBook helps in knowing more about Kali Linux Most of the penetration tools are written in English but Kali includes a multilingual approach This makes it accessible to a greater number of users who can operate it in their own language They can also locate the tools which are needed for their job The kernels can also be customized The penetration testers often have the requirement of doing wireless assessments So the kernel has the latest injection patches so that they can be patched for injection Every package is also signed by the individual developers who have built and committed it Buy it Now and let your customers get addicted to this amazing book

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Kali Linux Cookbook Smet David De Introduction

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