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# Kali Linux – Assuring Security by Penetration Testing

Master the art of penetration testing with Kali Linux

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# Kali Linux Assuring Security By Penetration Testing

## Heriyanto Tedi

**Mike O'Leary**



## **Kali Linux Assuring Security By Penetration Testing Heriyanto Tedi:**

**Kali Linux 2 - Assuring Security by Penetration Testing** Gerard Johansen, Lee Allen, Tedi Heriyanto, Shakeel Ali, 2016-09-22 Achieve the gold standard in penetration testing with Kali using this masterpiece now in its third edition About This Book Get a rock solid insight into penetration testing techniques and test your corporate network against threats like never before Formulate your pentesting strategies by relying on the most up to date and feature rich Kali version in town Kali Linux 2 aka Sana Experience this journey with new cutting edge wireless penetration tools and a variety of new features to make your pentesting experience smoother Who This Book Is For If you are an IT security professional or a student with basic knowledge of Unix Linux operating systems including an awareness of information security factors and you want to use Kali Linux for penetration testing this book is for you What You Will Learn Find out to download and install your own copy of Kali Linux Properly scope and conduct the initial stages of a penetration test Conduct reconnaissance and enumeration of target networks Exploit and gain a foothold on a target system or network Obtain and crack passwords Use the Kali Linux NetHunter install to conduct wireless penetration testing Create proper penetration testing reports In Detail Kali Linux is a comprehensive penetration testing platform with advanced tools to identify detect and exploit the vulnerabilities uncovered in the target network environment With Kali Linux you can apply appropriate testing methodology with defined business objectives and a scheduled test plan resulting in a successful penetration testing project engagement Kali Linux Assuring Security by Penetration Testing is a fully focused structured book providing guidance on developing practical penetration testing skills by demonstrating cutting edge hacker tools and techniques with a coherent step by step approach This book offers you all of the essential lab preparation and testing procedures that reflect real world attack scenarios from a business perspective in today s digital age Style and approach This practical guide will showcase penetration testing through cutting edge tools and techniques using a coherent step by step approach [Kali Linux - Assuring Security by Penetration Testing](#) Lee Allen, Tedi Heriyanto, Shakeel Ali, 2014-04-07 Written as an interactive tutorial this book covers the core of Kali Linux with real world examples and step by step instructions to provide professional guidelines and recommendations for you The book is designed in a simple and intuitive manner that allows you to explore the whole Kali Linux testing process or study parts of it individually If you are an IT security professional who has a basic knowledge of Unix Linux operating systems including an awareness of information security factors and want to use Kali Linux for penetration testing then this book is for you *Kali Linux 2018: Assuring Security by Penetration Testing* Shiva V. N. Parasram, Alex Samm, Damian Boodoo, Gerard Johansen, Lee Allen, Tedi Heriyanto, Shakeel Ali, 2018-10-26 Achieve the gold standard in penetration testing with Kali using this masterpiece now in its fourth edition Key Features Rely on the most updated version of Kali to formulate your pentesting strategies Test your corporate network against threats Explore new cutting edge wireless penetration tools and features Book Description Kali Linux is a comprehensive penetration testing platform with advanced tools to identify detect and exploit the

vulnerabilities uncovered in the target network environment With Kali Linux you can apply the appropriate testing methodology with defined business objectives and a scheduled test plan resulting in successful penetration testing project engagement This fourth edition of Kali Linux 2018 Assuring Security by Penetration Testing starts with the installation of Kali Linux You will be able to create a full test environment to safely practice scanning vulnerability assessment and exploitation You ll explore the essentials of penetration testing by collecting relevant data on the target network with the use of several footprinting and discovery tools As you make your way through the chapters you ll focus on specific hosts and services via scanning and run vulnerability scans to discover various risks and threats within the target which can then be exploited In the concluding chapters you ll apply techniques to exploit target systems in order to gain access and find a way to maintain that access You ll also discover techniques and tools for assessing and attacking devices that are not physically connected to the network including wireless networks By the end of this book you will be able to use NetHunter the mobile version of Kali Linux and write a detailed report based on your findings What you will learn Conduct the initial stages of a penetration test and understand its scope Perform reconnaissance and enumeration of target networks Obtain and crack passwords Use Kali Linux NetHunter to conduct wireless penetration testing Create proper penetration testing reports Understand the PCI DSS framework and tools used to carry out segmentation scans and penetration testing Carry out wireless auditing assessments and penetration testing Understand how a social engineering attack such as phishing works Who this book is for This fourth edition of Kali Linux 2018 Assuring Security by Penetration Testing is for pentesters ethical hackers and IT security professionals with basic knowledge of Unix Linux operating systems Prior knowledge of information security will help you understand the concepts in this book      *Kali Linux Wireless Penetration Testing: Beginner's Guide* Vivek Ramachandran, Cameron Buchanan, 2015-03-30 If you are a security professional pentester or anyone interested in getting to grips with wireless penetration testing this is the book for you Some familiarity with Kali Linux and wireless concepts is beneficial      **Linux Shell Scripting Essentials** Sinny Kumari, 2015-11-23 Learn shell scripting to solve complex shell related problems and to efficiently automate your day to day tasks About This Book Familiarize yourself with the terminal by learning about powerful shell features Automate tasks by writing shell scripts for repetitive work Packed with easy to follow hands on examples to help you write any type of shell script with confidence Who This Book Is For This book is aimed at administrators and those who have a basic knowledge of shell scripting and who want to learn how to get the most out of writing shell scripts What You Will Learn Write effective shell scripts easily Perform search operations and manipulate large text data with a single shell command Modularize reusable shell scripts by creating shell libraries Redirect input output and errors of a command or script execution to other streams Debug code with different shell debugging techniques to make your scripts bug free Manage processes along with the environment variables needed to execute them properly Execute and embed other languages in your scripts Manage creation deletion and search operations in files In Detail Shell scripting is a

quick method to prototype complex applications or problems Shell scripts are a collection of commands to automate tasks usually those for which the user has a repeated need when working on Linux based systems Using simple commands or a combination of them in a shell can solve complex problems easily This book starts with the basics including essential commands that can be executed on Linux systems to perform tasks within a few nanoseconds You ll learn to use outputs from commands and transform them to show the data you require Discover how to write shell scripts easily execute script files debug and handle errors Next you ll explore environment variables in shell programming and learn how to customize them and add a new environment Finally the book walks you through processes and how these interact with your shell scripts along with how to use scripts to automate tasks and how to embed other languages and execute them Style and approach This book is a pragmatic guide to writing efficient shell programs complete with hands on examples and tips Mastering SaltStack Joseph Hall,2015-08-19 Take charge of SaltStack to automate and configure enterprise grade environments About This Book Automate tasks effectively so that your infrastructure can run itself Take advantage of cloud based services that can expand the capabilities of your own data centers Tackle real world problems that appear in everyday situations In Detail SaltStack is known as a popular configuration management system but that barely scratches the surface It is in fact a powerful automation suite which is designed not only to help you manage your servers but to help them manage themselves SaltStack is used worldwide by organizations ranging from just a few servers to tens of thousands of nodes across data centers in multiple continents This award winning software is fast becoming the standard for systems management in the cloud world This book will take you through the advanced features of SaltStack bringing forward capabilities that will help you excel in the management of your servers You will be taken through the the mind of the modern systems engineer and discover how they use Salt to manage their infrastructures and why those design decisions are so important The inner workings of Salt will be explored so that as you advance your knowledge of Salt you will be able to swim with the current rather than against it Various subsystems of Salt are explained in detail including Salt SSH Salt Cloud and external pillars filesystems and job caches You will be taken through an in depth discussion of how to effectively scale Salt to manage thousands of machines and how to troubleshoot issues when things don t go exactly the way you expect them to You will also be taken through an overview of RAET Salt s new transport protocol and given an insight into how this technology improves Salt and the possibilities that it brings with it What You Will Learn Learn how the pros are managing their infrastructures and what techniques they use to keep everything running smoothly with Salt Understand what makes Salt tick and how that affects the way you use it Take a look at familiar features in a new light so that you have a better handle on how to approach tasks Use Salt SSH to manage servers that don t fit Salt s traditional use cases Besides automating your configuration you will be able to automate your servers and make them behave more intelligently Make better use of cloud based services including compute clouds such as EC2 Azure and Openstack Learn about the new RAET protocol and how it changes the way

automation works Who This Book Is For This book is ideal for professionals who have been managing groups of servers and want to learn how to add functionality and expand their tool set This book will also explain some of the more advanced features of Salt and explore how to use them to bring additional power to the fundamentals that the professionals have already been using Style and approach This book speaks informally sometimes almost conversationally to the user Topics are covered in detail using examples that should be comfortable to most users

**Network Security Assessment** Chris McNab, 2016-12-06 How secure is your network The best way to find out is to attack it using the same tactics attackers employ to identify and exploit weaknesses With the third edition of this practical book you ll learn how to perform network based penetration testing in a structured manner Security expert Chris McNab demonstrates common vulnerabilities and the steps you can take to identify them in your environment System complexity and attack surfaces continue to grow This book provides a process to help you mitigate risks posed to your network Each chapter includes a checklist summarizing attacker techniques along with effective countermeasures you can use immediately Learn how to effectively test system components including Common services such as SSH FTP Kerberos SNMP and LDAP Microsoft services including NetBIOS SMB RPC and RDP SMTP POP3 and IMAP email services IPsec and PPTP services that provide secure network access TLS protocols and features providing transport security Web server software including Microsoft IIS Apache and Nginx Frameworks including Rails Django Microsoft ASP NET and PHP Database servers storage protocols and distributed key value stores

**Mastering Kali Linux Wireless Pentesting** Jilumudi Raghu Ram, Brian Sak, 2016-02-25 Test your wireless network s security and master advanced wireless penetration techniques using Kali Linux About This Book Develop your skills using attacks such as wireless cracking Man in the Middle and Denial of Service DOS as well as extracting sensitive information from wireless networks Perform advanced wireless assessment and penetration tests Use Embedded Platforms Raspberry PI and Android in wireless penetration testing with Kali Linux Who This Book Is For If you are an intermediate level wireless security consultant in Kali Linux and want to be the go to person for Kali Linux wireless security in your organisation then this is the book for you Basic understanding of the core Kali Linux concepts is expected What You Will Learn Fingerprint wireless networks with the various tools available in Kali Linux Learn various techniques to exploit wireless access points using CSRF Crack WPA WPA2 WPS and crack wireless encryption using Rainbow tables more quickly Perform man in the middle attack on wireless clients Understand client side attacks browser exploits Java vulnerabilities and social engineering Develop advanced sniffing and PCAP analysis skills to extract sensitive information such as DOC XLS and PDF documents from wireless networks Use Raspberry PI and OpenWrt to perform advanced wireless attacks Perform a DOS test using various techniques and tools In Detail Kali Linux is a Debian based Linux distribution designed for digital forensics and penetration testing It gives access to a large collection of security related tools for professional security testing some of the major ones being Nmap Aircrack ng Wireshark and Metasploit This book will take you on a journey where you will learn to

master advanced tools and techniques to conduct wireless penetration testing with Kali Linux You will begin by gaining an understanding of setting up and optimizing your penetration testing environment for wireless assessments Then the book will take you through a typical assessment from reconnaissance information gathering and scanning the network through exploitation and data extraction from your target You will get to know various ways to compromise the wireless network using browser exploits vulnerabilities in firmware web based attacks client side exploits and many other hacking methods You will also discover how to crack wireless networks with speed perform man in the middle and DOS attacks and use Raspberry Pi and Android to expand your assessment methodology By the end of this book you will have mastered using Kali Linux for wireless security assessments and become a more effective penetration tester and consultant Style and approach This book uses a step by step approach using real world attack scenarios to help you master the wireless penetration testing techniques

**Cyber Operations** Mike O'Leary, 2019-03-01 Know how to set up defend and attack computer networks with this revised and expanded second edition You will learn to configure your network from the ground up beginning with developing your own private virtual test environment then setting up your own DNS server and AD infrastructure You will continue with more advanced network services web servers and database servers and you will end by building your own web applications servers including WordPress and Joomla Systems from 2011 through 2017 are covered including Windows 7 Windows 8 Windows 10 Windows Server 2012 and Windows Server 2016 as well as a range of Linux distributions including Ubuntu CentOS Mint and OpenSUSE Key defensive techniques are integrated throughout and you will develop situational awareness of your network and build a complete defensive infrastructure including log servers network firewalls web application firewalls and intrusion detection systems Of course you cannot truly understand how to defend a network if you do not know how to attack it so you will attack your test systems in a variety of ways You will learn about Metasploit browser attacks privilege escalation pass the hash attacks malware man in the middle attacks database attacks and web application attacks What You ll Learn Construct a testing laboratory to experiment with software and attack techniques Build realistic networks that include active directory file servers databases web servers and web applications such as WordPress and Joomla Manage networks remotely with tools including PowerShell WMI and WinRM Use offensive tools such as Metasploit Mimikatz Veil Burp Suite and John the Ripper Exploit networks starting from malware and initial intrusion to privilege escalation through password cracking and persistence mechanisms Defend networks by developing operational awareness using auditd and Sysmon to analyze logs and deploying defensive tools such as the Snort intrusion detection system IPFire firewalls and ModSecurity web application firewalls Who This Book Is For This study guide is intended for everyone involved in or interested in cybersecurity operations e g cybersecurity professionals IT professionals business professionals and students

Penetration Testing with Raspberry Pi Michael McPhee, Jason Beltrame, 2016-11-30 Learn the art of building a low cost portable hacking arsenal using Raspberry Pi 3 and Kali Linux 2 About This Book Quickly turn your Raspberry Pi 3

into a low cost hacking tool using Kali Linux 2 Protect your confidential data by deftly preventing various network security attacks Use Raspberry Pi 3 as honeypots to warn you that hackers are on your wire Who This Book Is For If you are a computer enthusiast who wants to learn advanced hacking techniques using the Raspberry Pi 3 as your pentesting toolbox then this book is for you Prior knowledge of networking and Linux would be an advantage What You Will Learn Install and tune Kali Linux 2 on a Raspberry Pi 3 for hacking Learn how to store and offload pentest data from the Raspberry Pi 3 Plan and perform man in the middle attacks and bypass advanced encryption techniques Compromise systems using various exploits and tools using Kali Linux 2 Bypass security defenses and remove data off a target network Develop a command and control system to manage remotely placed Raspberry Pis Turn a Raspberry Pi 3 into a honeypot to capture sensitive information In Detail This book will show you how to utilize the latest credit card sized Raspberry Pi 3 and create a portable low cost hacking tool using Kali Linux 2 You ll begin by installing and tuning Kali Linux 2 on Raspberry Pi 3 and then get started with penetration testing You will be exposed to various network security scenarios such as wireless security scanning network packets in order to detect any issues in the network and capturing sensitive data You will also learn how to plan and perform various attacks such as man in the middle password cracking bypassing SSL encryption compromising systems using various toolkits and many more Finally you ll see how to bypass security defenses and avoid detection turn your Pi 3 into a honeypot and develop a command and control system to manage a remotely placed Raspberry Pi 3 By the end of this book you will be able to turn Raspberry Pi 3 into a hacking arsenal to leverage the most popular open source toolkit Kali Linux 2 0 Style and approach This concise and fast paced guide will ensure you get hands on with penetration testing right from the start You will quickly install the powerful Kali Linux 2 on your Raspberry Pi 3 and then learn how to use and conduct fundamental penetration techniques and attacks

**Building RESTful Web Services with PHP 7** Haafiz Waheed-ud-din Ahmad,2017-09-11 Learn how to build RESTful API and web services in PHP 7 About This Book Leverage the Lumen framework to build RESTful API endpoints for your applications Understand how to increase efficiency and security of your web service Learn to apply the concepts by implementing the examples covered in the book Who This Book Is For This book is for PHP developers who wish to learn about the REST architecture to be able to build and consume REST APIs in their applications What You Will Learn Understand the REST API architecture and its benefits Write RESTful API web services in PHP 7 Address security elated issues in a REST API Leverage the importance of automated testing and write tests for API endpoints Identify security flaws in our current API endpoints and tackle them effectively Observe the working of Lumen microframeworks and write RESTful web services in it In Detail REST is the most wide spread and effective standard to develop APIs for internet services With the way PHP and its eco system has modernized the way code is written by simplifying various operations it is useful to develop RESTful APIs with PHP 7 and modern tools This book explains in detail how to create your own RESTful API in PHP 7 that can be consumed by other users in your organization Starting with a brief



introduction to the fundamentals of REST architecture and the new features in PHP 7 you will learn to implement basic RESTful API endpoints using vanilla PHP The book explains how to identify flaws in security and design and teach you how to tackle them You will learn about composer Lumen framework and how to make your RESTful API cleaner secure and efficient The book emphasizes on automated tests teaches about different testing types and give a brief introduction to microservices which is the natural way forward After reading this book you will have a clear understanding of the REST architecture and you can build a web service from scratch Style and approach This book will get you started with REST architecture and will also teach you different methods to build web services from scratch     *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     *Kali Linux* - Ali Shakeel, Lee Allen, 2014     **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 RHEL Networking Andrew Mallett,2015-06-24 Red Hat Enterprise Linux RHEL is the most popular Linux distribution currently being used and can be deployed on many platforms Enterprises that have a large number of systems need to be interconnected configured and managed effectively RHEL networking lets you accomplish these tasks easily This is a highly detailed guide to help with your deployments on RHEL 7 or CentOS 7 This book based on RHEL 7 1 will introduce to you the fundamentals of networking your systems You will learn the use of new consistent names to identify your network cards Soon you will move on to configuring the basic plumbing of your network setting up time network address assignment and name resolution Last the focus moves to configuring the new kernel based iSCSI target services on RHEL 7 and using the service to host storage area networks

Avaliação de segurança de redes Chris McNab,2019-05-24 Qual o n vel de seguran a de sua rede A melhor maneira de descobrir atac la usando as mesmas t ticas que os invasores empregam de modo a identificar e explorar seus pontos fracos Com a edi o atualizada deste livro pr tico voc aprender a fazer testes de invas o pentest em redes de forma estruturada O especialista em seguran a Chris McNab apresenta vulnerabilidades comuns e os passos que voc deve executar para identific las em seu ambiente A complexidade dos sistemas e as superf cies de ataque continuam aumentando Este livro descreve um processo para ajud lo a atenuar os riscos aos quais a sua rede est sujeita Todo cap tulo inclui uma checklist que sintetiza as t cnicas dos invasores junto com medidas de prote o eficazes que podem ser utilizadas de imediato Aprenda a

testar os componentes de seu sistema de modo eficiente incluindo Servi os comuns como SSH FTP Kerberos SNMP e LDAP Servi os Microsoft incluindo NetBIOS SMB RPC e RDP Servi os de email SMTP POP3 e IMAP Servi os IPsec e PPTP que oferecem acesso seguro rede Protocolos TLS e recursos que oferecem seguran a no transporte Software de servidores web incluindo Microsoft IIS Apache e Nginx Frameworks incluindo Rails Django Microsoft ASP NET e PHP

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[Kali Linux 2018](#) Shiva Parasram,Alex Samm,Damian Boodoo, Gerard Johansen, Lee Allen (Information security specialist), Tedi Heriyanto, Shakeel Ali, 2018 Achieve the gold standard in penetration testing with Kali using this masterpiece now in its fourth edition Key Features Rely on the most updated version of Kali to formulate your pentesting strategies Test your corporate network against threats Explore new cutting edge wireless penetration tools and features Book Description Kali Linux is a comprehensive penetration testing platform with advanced tools to identify detect and exploit the vulnerabilities uncovered in the target network environment With Kali Linux you can apply the appropriate testing methodology with defined business objectives and a scheduled test plan resulting in successful penetration testing project engagement This fourth edition of Kali Linux 2018 Assuring Security by Penetration Testing starts with the installation of Kali Linux You will be able to create a full test environment to safely practice scanning vulnerability assessment and exploitation You ll explore the essentials of penetration testing by collecting relevant data on the target network with the use of several footprinting and discovery tools As you make your way through the chapters you ll focus on specific hosts and services via scanning and run vulnerability scans to discover various risks and threats within the target which can then be exploited In the concluding chapters you ll apply techniques to exploit target systems in order to gain access and find a way to maintain that access You ll also discover techniques and tools for assessing and attacking devices that are not physically connected to the network including wireless networks By the end of this book you will be able to use NetHunter the mobile version of Kali Linux and write a detailed report based on your findings What you will learn Conduct the initial stages of a penetration test and understand its scope Perform reconnaissance and enumeration of target networks Obtain and crack passwords Use Kali Linux NetHunter to conduct wireless penetration testing Create proper penetration testing reports Understand the PCI DSS framework and tools used to carry out segmentation scans and penetration testing Carry out wireless auditing assessments and penetration testing Understand how a social engineering attack such as phishing works Who this book is for This fourth edition of Kali Linux 2018 Assuring Security by Penetration Testing is for pentesters ethical hackers and IT security professionals with basic knowledge of Unix Linu

[BackTrack 4](#) Shakeel Ali, Tedi Heriyanto, 2011-04-14 Master the art of penetration testing with BackTrack

[Kali Linux 2 - Assuring Security by Penetration Testing](#) Gerard Johansen, Shakeel Ali, Lee Allen, Tedi Heriyanto, 2016-09-22 Achieve the gold standard in penetration testing with Kali using this masterpiece now in its third edition About This Book Get a rock solid insight into penetration testing techniques and test your corporate network against threats like never before Formulate your pentesting

strategies by relying on the most up to date and feature rich Kali version in town Kali Linux 2 aka Sana Experience this journey with new cutting edge wireless penetration tools and a variety of new features to make your pentesting experience smoother

**Who This Book Is For** If you are an IT security professional or a student with basic knowledge of Unix Linux operating systems including an awareness of information security factors and you want to use Kali Linux for penetration testing this book is for you

**What You Will Learn** Find out to download and install your own copy of Kali Linux Properly scope and conduct the initial stages of a penetration test Conduct reconnaissance and enumeration of target networks Exploit and gain a foothold on a target system or network Obtain and crack passwords Use the Kali Linux NetHunter install to conduct wireless penetration testing Create proper penetration testing reports

**In Detail** Kali Linux is a comprehensive penetration testing platform with advanced tools to identify detect and exploit the vulnerabilities uncovered in the target network environment With Kali Linux you can apply appropriate testing methodology with defined business objectives and a scheduled test plan resulting in a successful penetration testing project engagement

**Kali Linux Assuring Security by Penetration Testing** is a fully focused structured book providing guidance on developing practical penetration testing skills by demonstrating cutting edge hacker tools and techniques with a coherent step by step approach This book offers you all of the essential lab preparation and testing procedures that reflect real world attack scenarios from a business perspective in today's digital age

**Style and approach** This practical guide will showcase penetration testing through cutting edge tools and techniques using a coherent step by step approach

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### **Kali Linux Assuring Security By Penetration Testing Heriyanto Tedi Introduction**

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