

# Linux Security Cookbook

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controlling access to your system protecting network connections encrypting files and email messages etc

secure your linux machines and keep them secured with the help of exciting recipes about this book this book provides code intensive discussions with detailed recipes that help you understand better and learn faster more than 50 hands on recipes to create and administer a secure linux system locally as well as on a network enhance file system security and local and remote user authentication by using various security tools and different versions of linux for different tasks who this book is for practical linux security cookbook is intended for all those linux users who already have knowledge of linux file systems and administration you should be familiar with basic linux commands understanding information security and its risks to a linux system is also helpful in understanding the recipes more easily however even if you are unfamiliar with information security you will be able to easily follow and understand the recipes discussed since linux security cookbook follows a practical approach following the steps is very easy what you will learn learn about various vulnerabilities and exploits in relation to linux systems configure and build a secure kernel and test it learn about file permissions and security and how to securely modify files explore various ways to authenticate local users while monitoring their activities authenticate users remotely and securely copy files on remote systems review various network security methods including firewalls using iptables and tcp wrapper explore various security tools including port sentry squid proxy shorewall and many more understand bash vulnerability security and patch management in detail with the growing popularity of linux more and more administrators have started moving to the system to create networks or servers for any task this also makes linux the first choice for any attacker now due to the lack of information about security related attacks administrators now face issues in dealing with these attackers as quickly as possible learning about the different types of linux security will help create a more secure linux system whether you are new to linux administration or experienced this book will provide you with the skills to make systems more secure with lots of step by step recipes the book starts by introducing you to various threats to linux systems you then get to walk through customizing the linux kernel and securing local files next you will move on to manage user authentication locally and remotely and also mitigate network attacks finally you

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enhance file system security and learn about network attack security tools and different versions of linux build key features hands on recipes to create and administer a secure linux system enhance file system security and local and remote user authentication use various security tools and different versions of linux for different tasks book description over the last few years system security has gained a lot of momentum and software professionals are focusing heavily on it linux is often treated as a highly secure operating system however the reality is that linux has its share of security flaws and these security flaws allow attackers to get into your system and modify or even destroy your important data but there s no need to panic since there are various mechanisms by which these flaws can be removed and this book will help you learn about different types of linux security to create a more secure linux system with a step by step recipe approach the book starts by introducing you to various threats to linux systems then this book will walk you through customizing the linux kernel and securing local files next you will move on to managing user authentication both locally and remotely and mitigating network attacks later you will learn about application security and kernel vulnerabilities you will also learn about patching bash vulnerability packet filtering handling incidents and monitoring system logs finally you will learn about auditing using system services and performing vulnerability scanning on linux by the end of this book you will be able to secure your linux systems and create a robust environment what you will learn learn about vulnerabilities and exploits in relation to linux systems configure and build a secure kernel and test it learn about file permissions and how to securely modify files authenticate users remotely and securely copy files on remote systems review different network security methods and tools perform vulnerability scanning on linux machines using tools learn about malware scanning and read through logs who this book is for this book is intended for all those

linux users who already have knowledge of linux file systems and administration you should be familiar with basic linux commands understanding information security and its risks to a linux system is also helpful in understanding the recipes more easily

book description with the growing popularity of linux more and more administrators have started moving to the system to create networks or servers for any task this also makes linux the first choice for any attacker now due to the lack of information about security related attacks administrators now face issues in dealing with these attackers as quickly as possible learning about the different types of linux security will help create a more secure linux system whether you are new to linux administration or experienced this book will provide you with the skills to make systems more secure with lots of step by step recipes the book starts by introducing you to various threats to linux systems you then get to walk through customizing the linux kernel and securing local files next you will move on to manage user authentication locally and remotely and also mitigate network attacks finally you will learn to patch bash vulnerability and monitor system logs for security with several screenshots in each example the book will supply a great learning experience and help you create more secure linux systems

enhance file system security and learn about network attack security tools and different versions of linux build key features hands on recipes to create and administer a secure linux system enhance file system security and local and remote user authentication use various security tools and different versions of linux for different tasks book description over the last few years system security has gained a lot of momentum and software professionals are focusing heavily on it linux is often treated as a highly secure operating system however the reality is that linux has its share of security aws and these security aws allow attackers to get into your system and modify or even destroy your important data but there s no need to panic since there are various mechanisms by which these aws can be removed and this book will help you learn about different types of linux security to create a more secure linux system with a step by step recipe approach the book starts by introducing you to various threats to linux systems then

this book will walk you through customizing the linux kernel and securing local files next you will move on to managing user authentication both locally and remotely and mitigating network attacks later you will learn about application security and kernel vulnerabilities you will also learn about patching bash vulnerability packet filtering handling incidents and monitoring system logs finally you will learn about auditing using system services and performing vulnerability scanning on linux by the end of this book you will be able to secure your linux systems and create a robust environment what you will learn learn about vulnerabilities and exploits in relation to linux systems configure and build a secure kernel and test it learn about file permissions and how to securely modify files authenticate users remotely and securely copy files on remote systems review different network security methods and tools perform vulnerability scanning on linux machines using tools learn about malware scanning and read through logs who this book is for this book is intended for all those linux users who already have knowledge of linux file systems and administration you should be familiar with basic linux commands understanding information security and its risks to a linux system is also helpful in understanding the recipes more easily downloading the example code for this book you can download the example code [fi](#)

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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

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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

inspiring feather the rainbow book of the dead a new age metaphysical musical classic short story based on ancient magical literature complements any library or anyone interested in new age metaphysical literature that is innovative and creative with a touch of literary style and class that transcends modern culture giving new insight to ancient truths as one embarks on inspiring feathers afterdeath funerary journey to the rainbow fire diamond medicine crystal void a metaphysical magical fantasy musical mystery spoof shamanic rainbow vision quest adventure unfolds as one learns the basic elementary principles of metaphysics exemplified through the rainbow fire diamond medicine crystal the tarot cabalah greek and chinese astrology the eight fold path of buddhism the nine beatitudes of jesus the i ching numerology and the diamond sutra comprise the ideology of the material with an added new feature the teaching of the thirty three and one third my name is aquila welcome to the magical world of inspiring feather

as this book shows linux systems are just as functional secure and reliable as their

proprietary counterparts thanks to the ongoing efforts of thousands of linux developers linux is more ready than ever for deployment at the frontlines of the real world the authors of this book know that terrain well and i am happy to leave you in their most capable hands linus torvalds the most successful sysadmin book of all time because it works rik farrow editor of login this book clearly explains current technology with the perspective of decades of experience in large scale system administration unique and highly recommended jonathan corbet cofounder lwn net nemeth et al is the overall winner for linux administration it s intelligent full of insights and looks at the implementation of concepts peter salus editorial director matrix net since 2001 linux administration handbook has been the definitive resource for every linux system administrator who must efficiently solve technical problems and maximize the reliability and performance of a production environment now the authors have systematically updated this classic guide to address today s most important linux distributions and most powerful new administrative tools the authors spell out detailed best practices for every facet of system administration including storage management network design and administration web hosting software configuration management performance analysis windows interoperability and much more sysadmins will especially appreciate the thorough and up to date discussions of such difficult topics such as dns ldap security and the management of it service organizations linux administration handbook second edition reflects the current versions of these leading distributions red hat enterprise linux fedoratom core suse linux enterprise debian gnu linux ubuntu linux sharing their war stories and hard won insights the authors capture the behavior of linux systems in the real world not just in ideal environments they explain complex tasks in detail and illustrate these tasks with examples drawn from their extensive hands on experience

covers solaris 10 included are ready to use scripts and configuration files that will be a valuable resource in you endeavor to secure your systems

computer and information security handbook fourth edition offers deep coverage of an extremely wide range of issues in computer and cybersecurity theory along with

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the authors look at the problem of bad code in a new way packed with advice based on the authors decades of experience in the computer security field this concise and highly readable book explains why so much code today is filled with vulnerabilities and tells readers what they must do to avoid writing code that can be exploited by attackers writing secure code isn't easy and there are no quick fixes to bad code to build code that repels attack readers need to be vigilant through each stage of the entire code lifecycle architecture design implementation testing and operations beyond the technical secure coding sheds new light on the economic psychological and sheer practical reasons why security vulnerabilities are so ubiquitous today it presents a new way of thinking about these vulnerabilities and ways that developers can compensate for the factors that have produced such unsecured software in the past

if you're an advanced security professional then you know that the battle to protect online privacy continues to rage on security chat rooms especially are resounding with calls for vendors to take more responsibility to release products that are more secure in fact with all the information and code that is passed on a daily basis it's a fight that may never end fortunately there are a number of open source security tools that give you a leg up in the battle often a security tool does exactly what you want right out of the box more frequently you need to customize the tool to fit the needs of your network structure network security tools shows experienced administrators how to modify customize and extend popular open source security tools such as nikto ettercap and nessus this concise high end guide discusses the common customizations and extensions for these tools then shows you how to write even more specialized attack and penetration reviews that are suited to your unique network environment it also explains how tools like port scanners packet injectors network sniffers and web assessment tools function some of the topics covered include writing your own network sniffers and packet injection tools writing plugins for nessus ettercap and nikto developing exploits for metasploit code analysis for web applications writing kernel modules for security applications and understanding rootkits while many books on security are either tediously academic or overly sensational network security tools takes an even handed and accessible approach that will let you quickly review the problem and implement new practical solutions without reinventing the wheel in an age when security is critical network security tools is the resource you want at your side when locking down your network

for more than 40 years computerworld has been the leading source of technology news and information for it influencers worldwide computerworld's award winning site computerworld.com twice monthly publication focused conference series and custom research form the hub of the world's largest global it media network

develop and implement an effective end to end security program today's complex world of mobile platforms cloud computing and ubiquitous data access puts new security demands on every it professional information security the complete reference

second edition previously titled network security the complete reference is the only comprehensive book that offers vendor neutral details on all aspects of information protection with an eye toward the evolving threat landscape thoroughly revised and expanded to cover all aspects of modern information security from concepts to details this edition provides a one stop reference equally applicable to the beginner and the seasoned professional find out how to build a holistic security program based on proven methodology risk analysis compliance and business needs you ll learn how to successfully protect data networks computers and applications in depth chapters cover data protection encryption information rights management network security intrusion detection and prevention unix and windows security virtual and cloud security secure application development disaster recovery forensics and real world attacks and countermeasures included is an extensive security glossary as well as standards based references this is a great resource for professionals and students alike understand security concepts and building blocks identify vulnerabilities and mitigate risk optimize authentication and authorization use irm and encryption to protect unstructured data defend storage devices databases and software protect network routers switches and firewalls secure vpn wireless voip and pbx infrastructure design intrusion detection and prevention systems develop secure windows java and mobile applications perform incident response and forensic analysis

get an in depth understanding of graph drawing techniques algorithms software and applications the handbook of graph drawing and visualization provides a broad up to date survey of the field of graph drawing it covers topological and geometric foundations algorithms software systems and visualization applications in business education science and engineering each chapter is self contained and includes extensive references the first several chapters of the book deal with fundamental topological and geometric concepts and techniques used in graph drawing such as planarity testing and embedding crossings and planarization symmetric drawings and proximity drawings the following chapters present a large collection of algorithms for constructing drawings of graphs including tree planar straight line planar orthogonal and polyline spine and radial circular rectangular hierarchical and three dimensional

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offers a readable practical introduction and step by step procedural manual for the installation configuration and use of selinux a kernel module and set of linux programs developed by the national security agency to help protect computers running on linux original all users

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