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Introduction to Linux (Second Edition)

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itself the kernel is linux in the case of the linux operating system it's the only bit of software to which the term linux applies the kernel handles all the requests or completed i/o operations and determines which programs will share its processing time and in what order responsible for the sophisticated memory management of the whole system the linux kernel is the force behind the legendary linux efficiency the new edition of understanding the linux kernel takes you on a guided tour through the most significant data structures many algorithms and programming tricks used in the kernel probing beyond the superficial features the authors offer valuable insights to people who want to know how things really work inside their machine relevant segments of code are dissected and discussed line by line the book covers more than just the functioning of the code it explains the theoretical underpinnings for why linux does things the way it does the new edition of the book has been updated to cover version 2.4 of the kernel which is quite different from version 2.2 the virtual memory system is entirely new support for multiprocessor systems is improved and whole new classes of hardware devices have been added the authors explore each new feature in detail other topics in the book include memory management including file buffering process swapping and direct memory access dma the virtual filesystem and the second

extended filesystem process creation and scheduling signals interrupts and the essential interfaces to device drivers timing synchronization in the kernel interprocess communication ipc program execution understanding the linux kernel second edition will acquaint you with all the inner workings of linux but is more than just an academic exercise you'll learn what conditions bring out linux's best performance and you'll see how it meets the challenge of providing good system response during process scheduling file access and memory management in a wide variety of environments if knowledge is power then this book will help you make the most of your linux system learn how to write high quality kernel module code solve common linux kernel programming issues and understand the fundamentals of linux kernel internals key features discover how to write kernel code using the loadable kernel module framework explore industry grade techniques to perform efficient memory allocation and data synchronization within the kernel understand the essentials of key internals topics such as kernel architecture memory management cpu scheduling and kernel synchronization book description linux kernel programming is a comprehensive introduction for those new to linux kernel and module development this easy to follow guide will have you up and running with writing

kernel code in next to no time this book uses the latest 5.4 long term support linux kernel which will be maintained from november 2019 through to december 2025 by working with the 5.4 kernel throughout the book you can be confident that your knowledge will continue to be valid for years to come you'll start the journey by learning how to build the kernel from the source next you'll write your first kernel module using the powerful loadable kernel module lkm framework the following chapters will cover key kernel internals topics including linux kernel architecture memory management and cpu scheduling during the course of this book you'll delve into the fairly complex topic of concurrency within the kernel understand the issues it can cause and learn how they can be addressed with various locking technologies mutexes spinlocks atomic and refcount operators you'll also benefit from more advanced material on cache effects a primer on lock free techniques within the kernel deadlock avoidance with lockdep and kernel lock debugging techniques by the end of this kernel book you'll have a detailed understanding of the fundamentals of writing linux kernel module code for real world projects and products what you will learn write high quality modular kernel code lkm framework for 5.x kernels configure and build a kernel from source explore the linux kernel architecture get to grips with key internals regarding memory

management within the kernel understand and work with various dynamic kernel memory alloc dealloc apis discover key internals aspects regarding cpu scheduling within the kernel gain an understanding of kernel concurrency issues find out how to work with key kernel synchronization primitives who this book is for this book is for linux programmers beginning to find their way with linux kernel development if you're a linux kernel and driver developer looking to overcome frequent and common kernel development issues or understand kernel internals you'll find plenty of useful information you'll need a solid foundation of linux cli and c programming before you can jump in linux administration based on hosted virtualization key features designed for absolute beginners and early linux users with the most up to date knowledge contains troubleshooting tips and best practices for running a linux system on your own supplemental knowledge and insights in server security threat management and virtualization description expert linux administration guide is for the readers who are interested in developing the skills and abilities essential to operate as a professional linux system administrator this is the only book that explains everything about linux practically through examples simplified visuals solution tips and expert led best practices this book begins with an introduction to linux

fundamentals and swiftly progresses to the day to day tasks of a linux administrator you practically learn how to plan your network by installing linux and gaining a firm grasp of its file system and system configuration this book covers all the linux server settings including dns mail servers squid proxy servers and backup recovery in addition the book contains troubleshooting hints and ready to use solutions for server configuration load balancing firewall configuration network security concerns and virtualization the book does not end here as it discusses some of the advanced administrator's responsibilities topics such as monitoring system performance process controls user provisioning file and database recovery and backup and software package upgrades are also covered by the end of this book you'll be able to practise and implement the latest system administration techniques in a linux environment considerably more effectively what you will learn learn to install and configure linux servers quickly manage configurations license software and patch security flaws obtain the highest level of support for raid configurations learn how to set up database servers backups and system recovery expert advice on firewalls web servers disc utilization and network resources who this book is for this book is intended for system managers system administrators network administrators server administrators system engineers and others

interested in becoming professional linux administrators no prerequisite knowledge is required as the book covers everything clearly and precisely table of contents 1 linux fundamental 2 files directories user management 3 file compression and archival 4 performing search 5 vi editor 6 linux installation 7 system initialization 8 overview of network commands 9 firewall setup 10a partition system in centos7 8 10b lvm and iscsi centos7 8 11 yum server 12 telnet 13 domain name system 14 dynamic host control protocol 15 unified threat management utm 16 squid proxy 17 apache server 18 linux as a router 19 nis server 20 nfs server 21 file transfer protocol 22 samba configuration 23 mail server configuration 24 linux hardening 25 load balancer 26 setup network printer services 27 system backup and restore process 28 linux virtualization kvm 29 introduction to open source tools 30 troubleshooting network issues whether you re just starting out with linux or looking to hone your existing skills this book will provide you with the knowledge you need over the last few years linux has grown both as an operating system and a tool for personal and business use simultaneously becoming more user friendly and more powerful as a back end system linux has achieved new plateaus the newer filesystems have solidified new commands and tools have appeared and become standard and the desktop including new desktop environments have proved to

be viable stable and readily accessible to even those who don t consider themselves computer gurus whether you re using linux for personal software projects for a small office or home office often termed the soho environment to provide services to a small group of colleagues or to administer a site responsible for millions of email and web connections each day you need quick access to information on a wide range of tools this book covers all aspects of administering and making effective use of linux systems among its topics are booting package management and revision control but foremost in linux in a nutshell are the utilities and commands that make linux one of the most powerful and flexible systems available now in its fifth edition linux in a nutshell brings users up to date with the current state of linux considered by many to be the most complete and authoritative command reference for linux available the book covers all substantial user programming administration and networking commands for the most common linux distributions comprehensive but concise the fifth edition has been updated to cover new features of major linux distributions configuration information for the rapidly growing commercial network services and community update services is one of the subjects covered for the first time but that s just the beginning the book covers editors shells and lilo and grub boot options there s also coverage of apache samba

postfix sendmail cvs subversion emacs vi sed gawk and much more everything that system administrators developers and power users need to know about linux is referenced here and they will turn to this book again and again identify capture and resolve common issues faced by red hat enterprise linux administrators using best practices and advanced troubleshooting techniques about this book develop a strong understanding of the base tools available within red hat enterprise linux rhel and how to utilize these tools to troubleshoot and resolve real world issues gain hidden tips and techniques to help you quickly detect the reason for poor network storage performance troubleshoot your rhel to isolate problems using this example oriented guide full of real world solutions who this book is for if you have a basic knowledge of linux from administration or consultant experience and wish to add to your red hat enterprise linux troubleshooting skills then this book is ideal for you the ability to navigate and use basic linux commands is expected what you will learn identify issues that need rapid resolution against long term root cause analysis discover commands for testing network connectivity such as telnet netstat ping ip and curl spot performance issues with commands such as top ps free iostat and vmstat use tcpdump for traffic analysis repair a degraded file system and rebuild a software raid identify and troubleshoot hardware issues using dmesg

troubleshoot custom applications with strace and knowledge of linux resource limitations in detail red hat enterprise linux is an operating system that allows you to modernize your infrastructure boost efficiency through virtualization and finally prepare your data center for an open hybrid cloud it architecture it provides the stability to take on today s challenges and the flexibility to adapt to tomorrow s demands in this book you begin with simple troubleshooting best practices and get an overview of the linux commands used for troubleshooting the book will cover the troubleshooting methods for web applications and services such as apache and mysql then you will learn to identify system performance bottlenecks and troubleshoot network issues all while learning about vital troubleshooting steps such as understanding the problem statement establishing a hypothesis and understanding trial error and documentation next the book will show you how to capture and analyze network traffic use advanced system troubleshooting tools such as strace tcpdump dmesg and discover common issues with system defaults finally the book will take you through a detailed root cause analysis of an unexpected reboot where you will learn to recover a downed system style and approach this is an easy to follow guide packed with examples of real world core linux concepts all the topics are presented in detail while you re performing the actual

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remote access access remote files and devices using nfsv4 gfs pvfs nis and samba the bash guide for beginners second edition discusses concepts useful in the daily life of the serious bash user while a basic knowledge of shell usage is required it starts with a discussion of shell building blocks and common practices then it presents the grep awk and sed tools that will later be used to create more interesting examples the second half of the course is about shell constructs such as loops conditional tests functions and traps and a number of ways to make interactive scripts all chapters come with examples and exercises that will help you become familiar with the theory 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 get started in white hat ethical hacking using kali linux this book starts off by giving you an overview of security trends where you will learn the osi security architecture this will form the foundation for the rest of beginning ethical hacking with kali linux with the theory out of the way you ll move on to an introduction to virtualbox

networking and common linux commands followed by the step by step procedure to build your own web server and acquire the skill to be anonymous when you have finished the examples in the first part of your book you will have all you need to carry out safe and ethical hacking experiments after an introduction to kali linux you will carry out your first penetration tests with python and code raw binary packets for use in those tests you will learn how to find secret directories on a target system use a tcp client in python and scan ports using nmap along the way you will discover effective ways to collect important information track email and use important tools such as dmitry and maltego as well as take a look at the five phases of penetration testing the coverage of vulnerability analysis includes sniffing and spoofing why arp poisoning is a threat how sniffjoke prevents poisoning how to analyze protocols with wireshark and using sniffing packets with scapy the next part of the book shows you detecting sql injection vulnerabilities using sqlmap and applying brute force or password attacks besides learning these tools you will see how to use openvas nikto vega and burp suite the book will explain the information assurance model and the hacking framework metasploit taking you through important commands exploit and payload basics moving on to hashes and passwords you will learn password testing and hacking techniques with john the ripper and rainbow you will

then dive into classic and modern encryption techniques where you will learn the conventional cryptosystem in the final chapter you will acquire the skill of exploiting remote windows and linux systems and you will learn how to own a target completely what you will learn master common linux commands and networking techniques build your own kali web server and learn to be anonymous carry out penetration testing using python detect sniffing attacks and sql injection vulnerabilities learn tools such as sniffjoke wireshark scapy sqlmap openvas nikto and burp suite use metasploit with kali linux exploit remote windows and linux systems who this book is for developers new to ethical hacking with a basic understanding of linux programming this practical tutorial style book uses the kali linux distribution to teach linux basics with a focus on how hackers would use them topics include linux command line basics filesystems networking bash basics package management logging and the linux kernel and drivers if you're getting started along the exciting path of hacking cybersecurity and pentesting linux basics for hackers is an excellent first step using kali linux an advanced penetration testing distribution of linux you'll learn the basics of using the linux operating system and acquire the tools and techniques you'll need to take control of a linux environment first you'll learn how to install kali on a virtual machine and get an introduction to basic

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attacks what you will learn understand the krack attack in full detail create a wireless lab for your experiments sniff out wireless packets hidden networks and ssids capture and crack wpa 2 keys sniff probe requests and track users through their ssid history attack radius authentication systems sniff wireless traffic and collect interesting data decrypt encrypted traffic with stolen keys in detail as wireless networks become ubiquitous in our lives wireless penetration testing has become a key skill in the repertoire of the professional penetration tester this has been highlighted again recently with the discovery of the krack attack which enables attackers to potentially break into wi fi networks encrypted with wpa2 the kali linux security distribution comes with a myriad of tools used for networking attacks and detecting security loopholes kali linux wireless penetration testing beginner s guide third edition has been updated to kali linux 2017 3 with the latest methodologies including full coverage of the krack attack and how to defend against it the book presents wireless pentesting from the ground up introducing all elements of penetration testing with each new technology you ll learn various wireless testing methodologies by example from the basics of wireless routing and encryption through to detailed coverage of hacking methods and attacks such as the hirte and caffe latte style and approach kali linux wireless penetration testing beginner s guide third edition

is a practical hands on guide to modern wi fi network hacking it covers both the theory and practice of wireless pentesting offering detailed real world coverage of the latest vulnerabilities and attacks this is the ebook version of the printed book if the print book includes a cd rom this content is not included within the ebook version advanced linux programming is divided into two parts the first covers generic unix system services but with a particular eye towards linux specific information this portion of the book will be of use even to advanced programmers who have worked with other linux systems since it will cover linux specific details and differences for programmers without unix experience it will be even more valuable the second section covers material that is entirely linux specific these are truly advanced topics and are the techniques that the gurus use to build great applications while this book will focus mostly on the application programming interface api provided by the linux kernel and the c library a preliminary introduction to the development tools available will allow all who purchase the book to make immediate use of linux 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 encouraging hands on practice mastering linux provides a comprehensive up to date guide to linux concepts

usage and programming through a set of carefully selected topics and practical examples the book imparts a sound understanding of operating system concepts and shows how to use linux effectively ready to use examples offer immediate access to practical applications after a primer on the fundamentals the text covers user interfaces commands and filters bash shell scripting the file system networking and internet use and kernel system calls it presents many examples and complete programs ready to run on your linux system each chapter includes a summary and exercises of varying degrees of difficulty resource the companion website at [ml.sofpower.com](http://ml.sofpower.com) offers a host of ancillary materials along with links to numerous resources it includes appendices on ssh and sftp vim text editing with vi and the emacs editor the site also provides a complete example code package for download master the linux operating system toolbox this book enables you to leverage the capabilities and power of the linux system more effectively going beyond this it can help you write programs at the shell and c levels encouraging you to build new custom tools for applications and randd summary linux in action is a task based tutorial that will give you the skills and deep understanding you need to administer a linux based system this hands on book guides you through 12 real world projects so you can

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virtualization building a linux working environment remote connectivity safely accessing networked machines archive management backing up or copying entire file systems automated administration configuring automated offsite backups emergency tools building a system recovery device servers building a mediawiki server networked file sharing building a nextcloud file sharing server securing your web server securing network connections creating a vpn or dmz system monitoring working with log files sharing data over a private network troubleshooting system performance issues troubleshooting network issues troubleshooting peripheral devices devops tools deploying a scripted server environment using ansible get to grips with the most common as well as complex linux networking configurations tools and services to enhance your professional skills key features learn how to solve critical networking problems using real world examples configure common networking services step by step in an enterprise environment discover how to build infrastructure with an eye toward defense against common attacks book description as linux continues to gain prominence there has been a rise in network services being deployed on linux for cost and flexibility reasons if you are a networking professional or an infrastructure engineer involved with networks extensive knowledge of linux

networking is a must this book will guide you in building a strong foundation of linux networking concepts the book begins by covering various major distributions how to pick the right distro and basic linux network configurations you ll then move on to linux network diagnostics setting up a linux firewall and using linux as a host for network services you ll discover a wide range of network services why they re important and how to configure them in an enterprise environment finally as you work with the example builds in this linux book you ll learn to configure various services to defend against common attacks as you advance to the final chapters you ll be well on your way towards building the underpinnings for an all linux datacenter by the end of this book you ll be able to not only configure common linux network services confidently but also use tried and tested methodologies for future linux installations what you will learn use linux as a troubleshooting and diagnostics platform explore linux based network services configure a linux firewall and set it up for network services deploy and configure domain name system dns and dynamic host configuration protocol dhcp services securely configure linux for load balancing authentication and authorization services use linux as a logging platform for network monitoring deploy and configure intrusion prevention services ips set up honeypot solutions to detect and foil

attacks who this book is for this book is for it and windows professionals and admins looking for guidance in managing linux based networks basic knowledge of networking is necessary to get started with this book an authoritative practical guide that helps programmers better understand the linux kernel and to write and develop kernel code now in its 7th edition linux in easy steps guides the reader through the basics of linux including how to install the linux operating system explore the desktop and launch great applications it starts by showing how to download install and customize linux guides you around the desktop and then introduces many great apps this guide even shows how to use the powerful linux shell to communicate directly with the kernel at the very heart of linux for total control linux in easy steps 7th edition opens the door to a whole new world of digital possibilities with linux linux kernel networking takes you on a guided in depth tour of the current linux networking implementation and the theory behind it linux kernel networking is a complex topic so the book won t burden you with topics not directly related to networking this book will also not overload you with cumbersome line by line code walkthroughs not directly related to what you re searching for you ll find just what you need with in depth explanations in each chapter and a quick reference at the end of each chapter linux kernel networking is the only

up to date reference guide to understanding how networking is implemented and it will be indispensable in years to come since so many devices now use linux or operating systems based on linux like android and since linux is so prevalent in the data center arena including linux based virtualization technologies like xen and kvm explore the latest ethical hacking tools and techniques to perform penetration testing from scratch purchase of the print or kindle book includes a free ebook in the pdf format key features learn to compromise enterprise networks with kali linux gain comprehensive insights into security concepts using advanced real life hacker techniques use kali linux in the same way ethical hackers and penetration testers do to gain control of your environment book description kali linux is the most popular and advanced penetration testing linux distribution within the cybersecurity industry using kali linux a cybersecurity professional will be able to discover and exploit various vulnerabilities and perform advanced penetration testing on both enterprise wired and wireless networks this book is a comprehensive guide for those who are new to kali linux and penetration testing that will have you up to speed in no time using real world scenarios you ll understand how to set up a lab and explore core penetration testing concepts throughout this book you ll focus on information gathering and even discover different vulnerability assessment tools

bundled in kali linux you ll learn to discover target systems on a network identify security flaws on devices exploit security weaknesses and gain access to networks set up command and control c2 operations and perform web application penetration testing in this updated second edition you ll be able to compromise active directory and exploit enterprise networks finally this book covers best practices for performing complex web penetration testing techniques in a highly secured environment by the end of this kali linux book you ll have gained the skills to perform advanced penetration testing on enterprise networks using kali linux what you will learn explore the fundamentals of ethical hacking understand how to install and configure kali linux perform asset and network discovery techniques focus on how to perform vulnerability assessment exploit the trust in active directory domain services perform advanced exploitation with command and control c2 techniques implement advanced wireless hacking techniques become well versed with exploiting vulnerable web applications who this book is for this pentesting book is for students trainers cybersecurity professionals cyber enthusiasts network security professionals ethical hackers penetration testers and security engineers if you do not have any prior knowledge and are looking to become an expert in penetration testing using the kali linux operating system os

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scheduling basic and advanced software administration techniques system boot process and bootloader kernel management and system initialization logging and system tuning basic and advanced storage management tools and solutions local file systems and swap regions network device and connection configuration hostname resolution and time synchronization remote file systems and automounting the secure shell service firewall and selinux controls bash shell scripting and operating system virtualization using containers each chapter highlights the major topics and relevant exam objectives at the beginning and ends with several review questions answers and do it yourself challenge labs throughout the book figures tables screenshots examples warnings notes and exam tips are furnished to support explanation and exam preparation there are four sample rhcsa exams that are expected to be performed using the knowledge and skills attained from reading the material following the in chapter exercises and completing the end of chapter challenge labs the labs and the sample exams include hints to relevant topics and or exercises this book may be used as a self learning guide by rhcsa 9 exam aspirants a resource by instructors and students to follow in physical and virtual training sessions an on the job resource for reference and an easy to understand guide by novice and non rhel administrators you ve

experienced the shiny point and click surface of your linux computer now dive below and explore its depths with the power of the command line the linux command line takes you from your very first terminal keystrokes to writing full programs in bash the most popular linux shell along the way you ll learn the timeless skills handed down by generations of gray bearded mouse shunning gurus file navigation environment configuration command chaining pattern matching with regular expressions and more in addition to that practical knowledge author william shotts reveals the philosophy behind these tools and the rich heritage that your desktop linux machine has inherited from unix supercomputers of yore as you make your way through the book s short easily digestible chapters you ll learn how to create and delete files directories and symlinks administer your system including networking package installation and process management use standard input and output redirection and pipelines edit files with vi the world s most popular text editor write shell scripts to automate common or boring tasks slice and dice text files with cut paste grep patch and sed once you overcome your initial shell shock you ll find that the command line is a natural and expressive way to communicate with your computer just don t be surprised if your mouse starts to gather dust a featured resource in the linux foundation s evolution of a

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instantly productive what s inside master the command line learn about file systems understand desktop environments go from linux novice to expert in just one month about the reader this book is for anyone looking to learn how to use linux no previous linux experience required about the author steven ovidia is a professor and librarian at laguardia community college cuny he curates the linux setup a large collection of interviews with desktop linux users and writes for assorted library science journals table of contents part 1 getting linux up and running before you begin getting to know linux installing linux getting to know your system desktop environments navigating your desktop part 2 a home office in linux installing software an introduction to linux home office software text files and editors working with files and folders on the command line working with common command line applications part 1 working with common command line applications part 2 using the command line productively explaining the linux filesystem hierarchy windows programs in linux establishing a workflow part 3 home system admin on linux an in depth look at package management and maintenance updating the operating system linux security connecting to other computers printing version control for non programmers never the end encouraging hands on practice mastering linux provides a comprehensive up to date guide to linux concepts usage

and programming through a set of carefully selected topics and practical examples the book imparts a sound understanding of operating system concepts and shows how to use linux effectively ready to use examples offer immediate access to practical applications after a primer on the fundamentals the text covers user interfaces commands and filters bash shell scripting the file system networking and internet use and kernel system calls it presents many examples and complete programs ready to run on your linux system each chapter includes a summary and exercises of varying degrees of difficulty resource the companion website at mlsofpower.com offers a host of ancillary materials along with links to numerous resources it includes appendices on ssh and sftp vim text editing with vi and the emacs editor the site also provides a complete example code package for download master the linux operating system toolbox this book enables you to leverage the capabilities and power of the linux system more effectively going beyond this it can help you write programs at the shell and c levels encouraging you to build new custom tools for applications and r d you ve experienced the shiny point and click surface of your linux computer now dive below and explore its depths with the power of the command line the linux command line takes you from your very first terminal keystrokes to writing full programs in bash the most popular linux shell or command

line along the way you ll learn the timeless skills handed down by generations of experienced mouse shunning gurus file navigation environment configuration command chaining pattern matching with regular expressions and more in addition to that practical knowledge author william shotts reveals the philosophy behind these tools and the rich heritage that your desktop linux machine has inherited from unix supercomputers of yore as you make your way through the book s short easily digestible chapters you ll learn how to create and delete files directories and symlinks administer your system including networking package installation and process management use standard input and output redirection and pipelines edit files with vi the world s most popular text editor write shell scripts to automate common or boring tasks slice and dice text files with cut paste grep patch and sed once you overcome your initial shell shock you ll find that the command line is a natural and expressive way to communicate with your computer just don t be surprised if your mouse starts to gather dust a comprehensive guide to securing your linux system against cyberattacks and intruders key featuresdeliver a system that reduces the risk of being hackedexplore a variety of advanced linux security techniques with the help of hands on labsmaster the art of securing a linux environment with this end to end practical guidebook description from

creating networks and servers to automating the entire working environment linux has been extremely popular with system administrators for the last couple of decades however security has always been a major concern with limited resources available in the linux security domain this book will be an invaluable guide in helping you get your linux systems properly secured complete with in depth explanations of essential concepts practical examples and self assessment questions this book begins by helping you set up a practice lab environment and takes you through the core functionalities of securing linux you ll practice various linux hardening techniques and advance to setting up a locked down linux server as you progress you will also learn how to create user accounts with appropriate privilege levels protect sensitive data by setting permissions and encryption and configure a firewall the book will help you set up mandatory access control system auditing security profiles and kernel hardening and finally cover best practices and troubleshooting techniques to secure your linux environment efficiently by the end of this linux security book you will be able to confidently set up a linux server that will be much harder for malicious actors to compromise what you will learncreate locked down user accounts with strong passwordsconfigure firewalls with iptables ufw nftables and firewalldprotect your data with different encryption

technologiesharden the secure shell service to prevent security break insuse mandatory access control to protect against system exploitsharden kernel parameters and set up a kernel level auditing systemapply openscap security profiles and set up intrusion detectionconfigure securely the grub 2 bootloader and bios uefiwho this book is for this book is for linux administrators system administrators and network engineers interested in securing moderate to complex linux environments security consultants looking to enhance their linux security skills will also find this book useful working experience with the linux command line and package management is necessary to understand the concepts covered in this book

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