Linux Mint System Administratora A A S Beginners Guide

Learn Linux Administration and Supercharge Your Career!If you're looking to make the jump from being a Linux user to being a Linux administrator, this book is for you! If you're in windows administration and want to learn the ins and outs of Linux administration, start here. This book is also great for Unix administrators switching to Linux administration.Here is what you will learn by reading this Linux System Administration book: How the the boot process works on Linux servers and what you can do to control it. The various types of messages generated by a Linux system, where they're stored, and how to automatically prevent them from filling up your disks. Disk management, partitioning, and file system creation. Managing Linux users and groups. Exactly how permissions work and how to decipher the most cryptic Linux permissions with ease. Networking concepts that apply to system administration and specifically how to configure Linux network interfaces. How to use the nano, vi, and emacs editors. How to schedule and automate jobs using cron. How to switch users and run processes as others. How to configure sudo. How to find and install software. Managing process and jobs. How to make the most out of the Linux command line Several Linux commands you'll need to know Linux shell scripting What you learn in book applies to any Linux system including Ubuntu Linux, Debian, Linux Mint, RedHat Linux, CentOS, Fedora, SUSE Linux, Arch Linux, Kali Linux and more.Real Advice from a Real, Professional Linux AdministratorJason Cannon is the author of Linux for Beginners, the founder of the Linux Training Academy, and an instructor to over 40,000 satisfied students. He started his IT career in the late 1990's as a Unix and Linux System Engineer and he'll be sharing his real-world Linux experience with you throughout this book.By the end of this book you will fully understand the most important and fundamental concepts of Linux server administration. More importantly, you will be able to put those concepts to use in practical real-world situations. You'll be able to configure, maintain, and support a variety of Linux systems. You can even use the skills you learned to become a Linux System Engineer or Linux System Administrator.

Probably the fastest route to becoming a Linux Mint system administrator, this book takes you from A-Z with clear step-by-step instructions, ranging from basic installation, to configuring networks, to troubleshooting. The perfect primer. Discover Linux Mint and learn how to install it Learn basic shell commands and how to deal with user accounts Find out how to carry out system administrator tasks such as monitoring, backups, and network configuration In Detail System administrators are responsible for keeping servers and workstations working properly. They perform actions to get a secure, stable, and robust operating system. In order to do that, system administrators perform actions such as monitoring, accounts maintenance, restoring backups, and software installation. All these actions and tasks are crucial to business success. "Linux Mint System Administrator's Beginner's Guide" is a practical and concise guide that offers you clear step-by-step exercises to learn good practices, commands, tools, and tips and tricks to convert users into system administrators in record time. You'll learn how to perform basic operations, such as create user accounts and install software. Moving forward, we'll find out more about important tasks executed daily by system administrators. Data and information are very important so you'll learn how to create and restore backups. You will also learn about one of the most important points of an operating system: security. Thanks to "Linux Mint System Administrator's Beginner's Guide", you'll learn all the basics you need to install and keep a robust and reliable Linux Mint operating system up to date.

“As an author, editor, and publisher, I never paid much attention to the competition—except in a few cases. This is one of those cases. The UNIX System Administration Handbook is one of the few books we ever measured ourselves against.” —Tim O’Reilly, founder of O’Reilly Media “This edition is for those whose systems live in the cloud or in virtualized data centers; those whose administrative work largely takes the form of automation and configuration source code; those who collaborate closely with developers, network engineers, compliance officers, and all the other worker bees who inhabit the modern hive.” —Paul Vixie, Internet Hall of Fame-recognized innovator and founder of ISC and Farsight Security “This book is fun and functional as a desktop reference. If you use UNIX and Linux systems, you need this book in your short-reach library. It covers a bit of the systems’ history but doesn’t bloviate. It’s just straight-forward information delivered in a colorful and memorable fashion.” —Jason A. Nunnelley UNIX® and Linux® System Administration Handbook, Fifth Edition, is today’s definitive guide to installing, configuring, and maintaining any UNIX or Linux system, including systems that supply core Internet and cloud infrastructure. Updated for new distributions and cloud environments, this comprehensive guide covers best practices for every facet of system administration, including storage management, network design and administration, security, web hosting, automation, configuration management, performance analysis, virtualization, DNS, security, and the management of IT service organizations. The authors—world-class, hands-on technologists—offer indispensable new coverage of cloud platforms, the DevOps philosophy, continuous deployment, containerization, monitoring, and many other essential topics. Whatever your role in running systems and networks built on UNIX or Linux, this conversational, well-written ¿guide will improve your efficiency and help solve your knottiest problems.

• Ganz einfach und Schritt für Schritt auf Linux Mint umsteigen • Die Benutzeroberfläche von Linux Mint kennenlernen und an die eigenen Bedürfnisse anpassen • Windows und Linux Mint parallel betreiben Steigen Sie mit Mint ein in die Linux-Welt! Egal, ob Sie Linux Mint parallel zu einem anderen Betriebssystem einsetzen oder ausschließlich damit arbeiten wollen: Dieses Buch nimmt Sie an die Hand und ermöglicht Ihnen einen problemlosen Start mit Linux Mint 20 (Ulyana). Christoph Troche erläutert Ihnen leicht nachvollziehbar die verschiedenen Installationsmöglichkeiten von Linux Mint (Live-Version, Festinstallation, allein oder parallel zu Windows).Er zeigt Ihnen Schritt für Schritt, wie Sie Mint einrichten, und stellt die Standard-Arbeitsoberfläche Cinnamon ausführlich vor, so dass Sie direkt loslegen können. Sie erfahren außerdem, wie Sie Software, die ursprünglich für den Betrieb unter Windows gedacht ist, trotzdem installieren können. Für einen kompletten Umstieg empfiehlt der Autor Ihnen aber auch geeignete Linux-Alternativen. Darüber hinaus erhalten Sie wertvolle Informationen und Tipps zur Sicherheit Ihres Systems. So hilft Ihnen dieses Praxisbuch optimal dabei, alle im Alltag anfallenden Aufgaben problemlos mit Linux Mint zu meistern.

Unix and Linux
Linux Command Line and Shell Scripting Bible
Tools and Techniques for Linux and Unix Administration
Introducing Linux Distros
200+ Automation Examples For Linux and Windows System Administrator and DevOps
Cyber Operations

The Linux Mint Beginner's Guide (Second Edition) will show you how to get the most out of Linux Mint, from using the Cinnamon desktop environment to advanced command-line tasks. In the Guide, you will learn how to: -Install Linux Mint. -Use the desktop environment. -Manage files and folders. -Manage us groups, and file permissions. -Install software on a Linux Mint system, both from the command line and the GUI. -Configure network settings. -Use the vi editor to edit system configuration files. -Install and configure a Samba server for file sharing. -Install SSH for remote system control using public key/private encryption. -Install a LAMP server. -Install web applications like WordPress. -Configure an FTP server. -Manage ebooks. -Convert digital media. -And many other topics.

Introduction to Data Science and Machine Learning has been created with the goal to provide beginners seeking to learn about data science, data enthusiasts, and experienced data professionals with a deep understanding of data science application development using open-source programming from start to book is divided into four sections: the first section contains an introduction to the book, the second covers the field of data science, software development, and open-source based embedded hardware; the third section covers algorithms that are the decision engines for data science applications; and the final s together the concepts shared in the first three sections and provides several examples of data science applications.

Linux Mint 20 (Ulyana) is based on the Ubuntu 20.04 LTR (Long Term Release). The Cinnamon and Mate desktops are examined in detail. Cinnamon and Mate have custom Mint menus to manage access to applications and devices. Advanced components are also examined such as the LightDM Display Ma Warpinator, Timeshift, NetworkManager, the Samba server, and Mint software management applications (Software Manager and Update Manager). The Linux Mint X-Apps are also reviewed, including Xplayer, Xed, and Xviewer. Administration topics include system tools, managing users, file systems, Bluetoo printer configuration, and network folder and file sharing. In addition, configuration of wired and wireless connections, firewalls, and service management using systemd are covered. Shared resources are also examined, including the CUPS printing server, the NFS Linux network file server, and Samba Windo server.

Linux mint 20.2 (Uma) is based on the Ubuntu 20.04 LTR (Long Term Release). The Cinnamon and Mate desktops are examined in detail. Cinnamon and Mate have custom Mint menus to manage access to applications and devices. Advanced components are also examined such as the LightDM Display Ma Warpinator, Timeshift, NetworkManager, the Samba server, and Mint software management applications (Software Manager and Update Manager). The Linux Mint X-Apps are also reviewed, including Xplayer, Xed, and Xviewer. Administration topics include system tools, managing users, file systems, Bluetoo printer configuration, and network folder and file sharing. In addition, configuration of wired and wireless connections, firewalls, and service management using systemd are covered. Shared resources are also examined, including the CUPS printing server, the NFS Linux network file server, and Samba Windo server. Be advised that there are few changes between Linux Mint 20.2 and Linux Mint 20.

Linux Cookbook
Ubuntu Linux Bible
Desktops and Administration

Debian 9 Stretch Basic Administration (UTeM Press)
Praxiswissen für Ein- und Umsteiger

The industry favorite Linux guide, updated for Red Hat Enterprise Linux 7 and the cloud Linux Bible, 9th Edition is the ultimate hands-on Linux user guide, whether you're a true beginner or a more advanced user navigating recent changes. This updated ninth edition covers the latest versions of Red Hat Enterprise Linux 7 (RHEL 7), Fedora 21, and Ubuntu 14.04 LTS, and includes new information on cloud computing and development with guidance on Openstack and Cloudforms. With a focus on RHEL 7, this practical guide gets you up to speed quickly on the new enhancements for enterprise-quality file systems, the new boot process and services management, firewalld, and the GNOME 3 desktop. Written by a Red Hat expert, this book provides the clear explanations and step-by-step instructions that demystify Linux and bring the new features seamlessly into your workflow. This useful guide assumes a base of little or no Linux knowledge, and takes you step by step through what you need to know to get the job done. Get Linux up and running quickly Master basic operations and tackle more advanced tasks Get up to date on the recent changes to Linux server system management Bring Linux to the cloud using Openstack and Cloudforms Linux Bible, 9th Edition is the one resource you need, and provides the hands-on training that gets you on track in a flash.

JUMPSTART YOUR NEW AND EXCITING CAREER AS A PENETRATION TESTER The Pentester BluePrint: Your Guide to Being a Pentester offers readers a chance to delve deeply into the world of the ethical, or "white-hat" hacker. Accomplished pentester and author Phillip L. Wylie and cybersecurity researcher Kim Crawley walk you through the basic and advanced topics necessary to understand how to make a career out of finding vulnerabilities in systems, networks, and applications. You'll learn about the role of a penetration tester, what a pentest involves, and the prerequisite knowledge you'll need to start the educational journey of becoming a pentester. Discover how to develop a plan by assessing your current skillset and finding a starting place to begin growing your knowledge and skills. Finally, find out how to become employed as a pentester by using social media, networking strategies, and community involvement. Perfect for IT workers and entry-level information security professionals, The Pentester BluePrint also belongs on the bookshelves of anyone seeking to transition to the exciting and in-demand field of penetration testing. Written in a highly approachable and accessible style, The Pentester BluePrint avoids unnecessarily technical lingo in favor of concrete advice and practical strategies to help you get your start in pentesting. This book will teach you: The foundations of pentesting, including basic IT skills like operating systems, networking, and security systems The development of hacking skills and a hacker mindset Where to find educational options, including college and university classes, security training providers, volunteer work, and self-study Which certifications and degrees are most useful for gaining employment as a pentester How to get experience in the pentesting field, including labs, CTFs, and bug bounties

"Follow the white rabbit" which is what Alice in Wonderland saw? The introduction of general concepts for understanding the structure of Linux. There are some definitions which the administrator uses to describe the system and the problems encountered. In almost non-technical way, the basic concepts are explained, such as the kernel or command interpreter.

This collection of tips, tools, and scripts provides clear, concise, hands-on solutions that can be applied to the challenges facing anyone running a network of Linux servers from small networks to large data centers.

The Debian Administrator's Handbook
Full Circle Magazine #94
Linux Bible
Linux with Operating System Concepts
Linux Mint Essentials
Linux Administration Best Practices

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 practice as you learn. Each chapter ends with a review of best practices, new terms, and exercises. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You can't learn anything without getting your hands dirtyÃ¢â‚¬â€ including Linux. Skills like securing files, folders, and servers, safely installing patches and applications, and managing a network are required for any serious user, including developers, administrators, and DevOps professionals. With this hands-on tutorial, you'll roll up your sleeves and learn Linux project by project. About the Book Linux in Action guides you through 12 real-world projects, including automating a backup-and-restore system, setting up a private Dropbox-style file cloud, and building your own MediaWiki server. You'll try out interesting examples as you lock in core practices like virtualization, disaster recovery, security, backup, DevOps, and system troubleshooting. Each chapter ends with a review of best practices, new terms, and exercises. What's inside Setting up a safe Linux environment Managing secure remote connectivity Building a system recovery device Patching and upgrading your system About the Reader No prior Linux admin experience is required. About the Author David Clinton is a certified Linux Server Professional, seasoned instructor, and author of Manning's bestselling Learn Amazon Web Services in a Month of Lunches. Table of Contents Welcome to Linux Linux 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 Web 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

Gain an understanding of system administration that will remain applicable throughout your career and understand why tasks are done rather than how to do them Key FeaturesDeploy, secure, and maintain your Linux system in the best possible wayDiscover best practices to implement core system administration tasks in LinuxExplore real-world decisions, tasks, and solutions involved in Linux system administrationBook Description Linux is a well-known, open source Unix-family operating system that is the most widely used OS today. Linux looks set for a bright future for decades to come, but system administration is rarely studied beyond learning rote tasks or following vendor guidelines. To truly excel at Linux administration, you need to understand how these systems work and learn to make strategic decisions regarding them. Linux Administration Best Practices helps you to explore best practices for efficiently administering Linux systems and servers. This Linux book covers a wide variety of topics from installation and deployment through to managing permissions, with each topic beginning with an overview of the key concepts followed by practical examples of best practices and solutions. You'll find out how to approach system administration, Linux, and IT in general, put technology into proper business context, and rethink your approach to technical decision making. Finally, the book concludes by helping you to understand best practices for troubleshooting Linux systems and servers that'll enable you to grow in your career as well as in any aspect of IT and business. By the end of this Linux administration book, you'll have gained the knowledge needed to take your Linux administration skills to the next level. What you will learnFind out how to conceptualize the system administrator roleUnderstand the key values of risk assessment in administrationApply technical skills to the IT business contextDiscover best practices for working with Linux specific system technologiesUnderstand the reasoning behind system administration best practicesDevelop out-of-the-box thinking for everything from reboots to backups to triagePrioritize, triage, and plan for disasters and recoveriesDiscover the psychology behind administration dutiesWho this book is for This book is for anyone looking to fully understand the role and practices of being a professional system administrator, as well as for system engineers, system administrators, and anyone in IT or management who wants to understand the administration career path. The book assumes a basic understanding of Linux, including the command line, and an understanding of how to research individual tasks. Basic working knowledge of Linux systems and servers is expected.

Talk directly to your system for a faster workflow withautomation capability Linux Command Line and Shell Scripting Bible is youressential Linux guide. With detailed instruction and abundantexamples, this book teaches you how to bypass the graphicalinterface and communicate directly with your computer, saving timeand expanding capability. This third edition incorporates thirtypages of new functional examples that are fully updated to alignwith the latest Linux features. Beginning with command linefundamentals, the book moves into shell scripting and shows you thepractical application of commands in automating frequentlyperformed functions. This guide includes useful tutorials, and adesk reference value of numerous examples. The Linux command line allows you to type specific shellcommands directly into the system to manipulate files and querysystem resources. Command line statements can be combined intoshort programs called shell scripts, a practice increasing inpopularity due to its usefulness in automation. This book is acomplete guide providing detailed instruction and expert adviceworking within this aspect of Linux. Write simple script utilities to automate tasks Understand the shell, and create shell scripts Produce database, e-mail, and web scripts Study scripting examples ranging from basic to advanced Whether used as a tutorial or as a quick reference, this bookcontains information that every Linux user should know. Why notlearn to use the system to its utmost capability? Linux is a robustsystem with tremendous potential, and Linux Command Line andShell Scripting Bible opens the door to new possibilities.

This book covers the Linux Mint 18.2 release (Sonya), focusing on desktops and administrative tools. The emphasis here is on what users will face when using Mint, covering topics like installation, applications, software management, the Mint desktops (Cinnamon, Mate, KDE, and Xfce), shell commands, network connections, and system administration tasks. Linux Mint 18.2 is based on the Ubuntu 16.04 LTR (Long Term Release). The Cinnamon, Mate, and Linux Mint KDE desktops are examined in detail. Cinnamon and Mate have custom Mint menus to manage access to applications and devices. Advanced components are also examined such as the LightDM Display Manager, PulseAudio sound configuration, and Mint software management applications (Software Manager and Update Manager). The new X-Apps are also reviewed, including Xplayer, Xed, and Xviewer. Administration topics include system tools, managing users, file systems, Bluetooth setup, printer configuration, and network folder and file sharing. In addition, configuration of wired and wireless connections, firewalls (the Gufw and FirewallD), and service management using systemd are covered. Shared resources are also examined, including the CUPS printing server, the NFS Linux network file server, and Samba Windows file and printing server. This ebook version is epub3 and edupub (EPUB for Education) compliant (version 3.0.1, epubcheck 4.0.2) with pagelist, sections, index list, and tocs.

Linux Mint 19.2: Desktops and Administration
How to Unblock Everything on the Internet, 2nd Edition
Webmin Administrator's Cookbook
Linux Network Administrator's Guide
The Pentester BluePrint
Ansible For Linux by Examples

This book covers the Linux Mint 19 release (Tara), focusing on desktops and administrative tools. The emphasis here is on what users will face when using Mint, covering topics like installation, applications, software management, the Mint desktops (Cinnamon, Mate, and Xfce), shell commands, network connections, and system administration tasks. Linux Mint 19 is based on the Ubuntu 18.04 LTR (Long Term Release). The Cinnamon and Mate desktops are examined in detail. Cinnamon and Mate have custom Mint menus to manage access to applications and devices. Advanced components are also examined such as the LightDM Display Manager, PulseAudio sound configuration, and Mint software management applications (Software Manager and Update Manager). The Linux Mint X-Apps are also reviewed, including Xplayer, Xed, and Xviewer. Administration topics include system tools, managing users, file systems, Bluetooth setup, printer configuration, and network folder and file sharing. In addition, configuration of wired and wireless connections, firewalls (the Gufw and FirewallD), and service management using systemd are covered. Shared resources are also examined, including the CUPS printing server, the NFS Linux network file server, and Samba Windows file and printing server.

Ansible is an Open Source IT automation tool. This book contains all of the obvious and not-so-obvious best practices of Ansible automation. Every successful IT department needs automation nowadays for bare metal servers, virtual machines, could, containers, and edge computing. Automate your IT journey with Ansible automation technology. You are going to start with the installation of Ansible in Enterprise Linux, Community Linux, Windows, and macOS using the most command package manager and archives. Each of the 200+ lessons summarizes a module: from the most important parameter to some Ansible code and real-life usage. Each code is battle proved in the real life. Simplifying mundane activities like creating a text file, extracting and archiving, fetching a repository using HTTPS or SSH connections could be automated with some lines of code and these are only some of the long lists included in the course. There are some

Ansible codes usable in all the Linux systems, some specific for RedHat-like, Debian-like, and Windows systems. The 20+ Ansible troubleshooting lesson teaches you how to read the error message, how to reproduce, and the process of troubleshooting and resolution. Are you ready to automate your day with Ansible? Examples in the book are tested with the latest version of Ansible 2.9+ and Ansible Core 2.11+.
This introduction to networking on Linux now covers firewalls, including the use of ipchains and Netfilter, masquerading, and accounting. Other new topics in this second edition include Novell (NCP/IPX) support and INN (news administration).
Written in a cookbook format with practical recipes this book helps you to perform various administrative tasks using Webmin and enables you to perform common jobs more efficiently. This book is perfect for System administrators who want to learn more advanced concepts of Webmin and how it can help to set up a server for development, testing or deployment.
Linux Mint 20
Introduction to Data Science and Machine Learning
Building, Defending, and Attacking Modern Computer Networks
Ansible by Examples
Visual QuickStart Guide
200+ Automation Examples For Linux System Administrator and DevOps

Debian is introduced in 1993 and one of the oldest Linux distribution to date. Debian serves as the foundation of many other Linux distribution among other the well-known Ubuntu, Linux Mint and Raspbian.
Essential System Administration,3rd Edition is the definitive guide for Unix system administration, covering all the fundamental and essential tasks required to run such divergent Unix systems as AIX, FreeBSD, HP-UX, Linux, Solaris, Tru64 and more. Essential System Administration provides a clear, concise, practical guide to the real-world issues that anyone responsible for a Unix system faces daily.The new edition of this indispensable reference has been fully updated for all the latest operating systems. Even more importantly, it has been extensively revised and expanded to consider the current system administrative topics that administrators need most. Essential System Administration,3rd Edition covers: DHCP, USB devices, the latest automation tools, SNMP and network management, LDAP, PAM, and recent security tools and techniques.Essential System Administration is comprehensive. But what has made this book the guide system administrators turn to over and over again is not just the sheer volume of valuable information it provides, but the clear, useful way the information is presented. It discusses the underlying higher-level concepts, but it also provides the details of the procedures needed to carry them out. It is not organized around the features of the Unix operating system, but around the various facets of a system administrator's job. It describes all the usual administrative tools that Unix provides, but it also shows how to use them intelligently and efficiently.Whether you use a standalone Unix system, routinely provide administrative support for a larger shared system, or just want an understanding of basic administrative functions, Essential System Administration is for you. This comprehensive and invaluable book combines the author's years of practical experience with technical expertise to help you manage Unix systems as productively and painlessly as possible.
Develop advanced skills for working with Linux systems on-premises and in the cloud Key FeaturesBecome proficient in everyday Linux administration tasks by mastering the Linux command line and using automationWork with the Linux filesystem, packages, users, processes, and daemonsDeploy Linux to the cloud with AWS, Azure, and KubernetesBook Description Linux plays a significant role in modern data center management and provides great versatility in deploying and managing your workloads on-premises and in the cloud. This book covers the important topics you need to know about for your everyday Linux administration tasks. The book starts by helping you understand the Linux command line and how to work with files, packages, and filesystems. You'll then begin administering network services and hardening security, and learn about cloud computing, containers, and orchestration. Once you've learned how to work with the command line, you'll explore the essential Linux commands for managing users, processes, and daemons and discover how to secure your Linux environment using application security frameworks and firewall managers. As you advance through the chapters, you'll work with containers, hypervisors, virtual machines, Ansible, and Kubernetes. You'll also learn how to deploy Linux to the cloud using AWS and Azure. By the end of this Linux book, you'll be well-versed with Linux and have mastered everyday administrative tasks using workflows spanning from on-premises to the cloud. If you also find yourself adopting DevOps practices in the process, we'll consider our mission accomplished. What you will learnUnderstand how Linux works and learn basic to advanced Linux administration skillsExplore the most widely used commands for managing the Linux filesystem, network, security, and moreGet to grips with different networking and messaging protocolsFind out how Linux security works and how to configure SELinux, AppArmor, and Linux iptablesWork with virtual machines and containers and understand container orchestration with KubernetesWork with containerized workflows using Docker and KubernetesAutomate your configuration management workloads with AnsibleWho this book is for If you are a Linux administrator who wants to understand the fundamentals and as well as modern concepts of Linux system administration, this book is for you. Windows System Administrators looking to extend their knowledge to the Linux OS will also benefit from this book.
This month: * Command & Conquer * How-To : Block Calls, LibreOffice, and Using i2P * Graphics : Inkscape. * Linux Labs: BTRFS * Book Review: Practical Data Science Cookbook * Ubuntu Games: War Thunder plus: News, Arduino, Q&A, and soooo much more.
The Linux Mint Beginner's Guide - Second Edition
The Debian Administrator's Handbook, Debian Wheezy from Discovery to Mastery
Linux Mint 20.2
Linux
THE INDEPENDENT MAGAZINE FOR THE UBUNTU LINUX COMMUNITY
Kali Linux 2: Windows Penetration Testing

Linux: The Textbook, Second Edition provides comprehensive coverage of the contemporary use of the Linux operating system for every level of student or practitioner, from beginners to advanced users. The text clearly illustrates system-specific commands and features using Debian-family Debian, Ubuntu, and Linux Mint, and RHEL-family CentOS, and stresses universal commands and features that are critical to all Linux distributions. The second edition of the book includes extensive updates and new chapters on system administration for desktop, stand-alone PCs, and server-class computers; API for system programming, including thread programming with pthreads; virtualization methodologies; and an extensive tutorial on systemd service management. Brand new online content on the CRC Press website includes an instructor's workbook, test bank, and In-Chapter exercise solutions, as well as full downloadable chapters on Python Version 3.5 programming, ZFS, TC shell programming, advanced system programming, and more. An author-hosted GitHub website also features updates, further references, and errata. Features New or updated coverage of file system, sorting, regular expressions, directory and file searching, file compression and encryption, shell scripting, system programming, client-server-based network programming, thread programming with pthreads, and system administration Extensive in-text pedagogy, including chapter objectives, student projects, and basic and advanced student exercises for every chapter Expansive electronic downloads offer advanced content on Python, ZFS, TC shell scripting, advanced system programming, internetworking with Linux TCP/IP, and many more topics, all featured on the CRC Press website Downloadable test bank, work book, and solutions available for instructors on the CRC Press website Author-maintained GitHub repository provides other resources, such as live links to further references, updates, and errata
Debian GNU/Linux, a very popular non-commercial Linux distribution, is known for its reliability and richness. Built and maintained by an impressive network of thousands of developers throughout the world, the Debian project is cemented by its social contract. This foundation text defines the project's objective: fulfilling the needs of users with a 100% free operating system. The success of Debian and of its ecosystem of derivative distributions (with Ubuntu at the forefront) means that an increasing number of administrators are exposed to Debian's technologies. This Debian Administrator's Handbook, which has been entirely updated for Debian 8 "Jessie", builds on the success of its 6 previous editions. Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from installation to updating the system, creating packages and compiling the kernel, but also monitoring, backup and migration, without forgetting advanced topics such as setting up SELinux or AppArmor to secure services, automated installations, or virtualization with Xen, KVM or LXC. This book is not only designed for professional system administrators. Anyone who uses Debian or Ubuntu on their own computer is de facto an administrator and will find tremendous value in knowing more about how their system works. Being able to understand and resolve problems will save you invaluable time. Learn more about the book on its official website: debian-handbook.info
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 techniquesBuild 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 WinRMUse offensive tools such as Metasploit, Mimikatz, Veil, Burp Suite, and John the RipperExploit networks starting from malware and initial intrusion to privilege escalation through password cracking and persistence mechanismsDefend 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)
Linux Mint 19.2 (Tina) is based on the Ubuntu 18.04 LTR (Long Term Release). The Cinnamon and Mate desktops are examined in detail. Cinnamon and Mate have custom Mint menus to manage access to applications and devices. Advanced components are also examined such as the LightDM Display Manager, NetworkManager, the Samba server, and Mint software management applications (Software Manager and Update Manager). The Linux Mint X-Apps are also reviewed, including Xplayer, Xed, and Xviewer. Administration topics include system tools, managing users, file systems, Bluetooth setup, printer configuration, and network folder and file sharing. In addition, configuration of wired and wireless connections, firewalls, and service management using systemd are covered. Shared resources are also examined, including the CUPS printing server, the NFS Linux network file server, and Samba Windows file server.
Linux Basic. AL1-002
Linux in Action
Starting a Career as an Ethical Hacker
Debian Jessie From Discovery To Mastery
Mastering Linux Administration
Linux Mint für Ein- und Umsteiger

Learn the pros and the cons of the most frequently used distros in order to find the one that is right for you. You will explore each distro step by step, so that you don't have to endure hours of web surfing, countless downloads, becoming confused by new concepts and, in the worst cases, reading complex and marathon installation guides. You will benefit from the author's long-term experience working with each distro hands on, enabling you to choose the best distro for your long-term needs. The first barrier that a new Linux user has to face is the overwhelming number of "flavors" that this operating system has. These "flavors" are commonly known as distros (from distribution), and to date there are more than three hundred active distros to choose from. So, how to choose one? You can choose the most popular at the moment, or take heed of what your friend says, but are you sure that this is the one that you need? Making the wrong decision on this matter is behind a good number of disappointments with this operating system. You need to choose the distro that is right for you and your needs. Linux offers us a wonderful open source alternative to proprietary software. With Introducing Linux Distros you can decide how to best make it work for you. Start exploring the open source world today. What You'll learn Review what a Linux distro is and which one to select Decide which criteria to follow to make a right decision Examine the most used Linux distros and their unique philosophies install and maintain different Linux distros Who This Book Is For Newcomers to the Linux world that have to deal with the myriad of distributions.
A True Textbook for an Introductory Course, System Administration Course, or a Combination Course Linux with Operating System Concepts, Second Edition merges conceptual operating system (OS) and Unix/Linux topics into one cohesive textbook for undergraduate students. The book can be used for a one- or two-semester course on Linux or Unix. It is complete with review sections, problems, definitions, concepts and relevant introductory material, such as binary and Boolean logic, OS kernels and the role of the CPU and memory hierarchy. Details for Introductory and Advanced Users The book covers Linux from both the user and system administrator positions. From a user perspective, it emphasizes command-line interaction. From a system administrator perspective, the text reinforces shell scripting with examples of administration scripts that support the automation of administrator tasks. Thorough Coverage of Concepts and Linux Commands The author incorporates OS concepts not found in most Linux/Unix textbooks, including kernels, file systems, storage devices, virtual memory and process management. He also introduces computer science topics, such as computer networks and TCP/IP, interpreters versus compilers, file compression, file system integrity through backups, RAID and encryption technologies, booting and the GNUs C compiler. New in this Edition The book has been updated to systemd Linux and the newer services like Cockpit, NetworkManager, firewalld and journald. This edition explores Linux beyond CentOS/Red Hat by adding detail on Debian distributions. Content across most topics has been updated and improved.
Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from the installation and the update of the system, up to the creation of packages and the compilation of the kernel, but also monitoring, backup and migration, without forgetting advanced topics like SELinux setup to secure services, automated installations, or virtualization with Xen, KVM or LXC. Learn more about the book on http: //debian-handbook.info
Ganz einfach von Windows zum kostenlosen Open-Source-Betriebssystem Linux Mint umsteigen – mit dem Buch von Christoph Troche kein Problem. Installation: Installation auf Festplatte, CD-ROM oder USB-Stick; Live-Version oder vollständige Installation Oberfläche: Desktop; Schreibtisch; Startmenü; Favoriten; aktive Anwendungen; Applets; Desklets; Besonderheiten bei MATE, xfce und KDE Mint in der Gruppe: Benutzer und Benutzergruppen; Systemverwalter; Benutzerverwaltung; Eigentümer Windows und Mint: Paralleler Betrieb beider Systeme; Wine; Einsatz einer virtuellen Maschine; Windows endgültig löschen In der Wolke: Online arbeiten mit Cloud-Computing; Client/Server; Dropbox und andere Cloud-Dienste einrichten LibreOffice: Textverarbeitung; Tabellenkalkulation; Präsentationen; Grafikbearbeitung Kommunikation: E-Mail-Konten importieren/einrichten; von Outlook zu Thunderbird wechseln; Thunderbird als Mail-Client einrichten; Firefox als Browser; Umzug vom Internet Explorer; Kommunikations-Tools wie Pidgin, HexChat und Skype Sicherheit: Linux als sicheres Betriebssystem; Passwörter; Verschlüsselung; Sicherheit und Datenschutz im Internet; Datensicherung Virtual Private Network: DynDNS-Server einrichten; dynamische IP-Adresse; Router konfigurieren; VPN-Client unter Mint einsetzen Kommandozeile: Arbeiten mit dem Terminal; Verzeichnisbaum verstehen und Geräte managen Linux Mint Cinnamon: Office-Programme; Grafik, Kommunikation und Internet; Multimedia; Zubehör; Systemprogramme
Linux Mint System Administrator's Beginner's Guide
Practical solutions to approaching the design and management of Linux systems
Linux Mint 19: Desktops and Administration
The Textbook, Second Edition
The basics of the Linux system structure
Essential System Administration

A task-oriented look at Linux Mint, using actual real-world examples to stimulate learning. Each topic is presented in an easy-to-follow order, with hands-on activities to reinforce the content. If you are starting out with Linux from a different platform or are well versed with Linux Mint and want a guide that shows you how to exploit certain functionality, this book is for you. No previous Linux experience is assumed.
In this updated edition, authors Deborah and Eric Ray use crystal-clear instructions and friendly prose to introduce you to all of today's Unix essentials. You'll find the information you need to get started with the operating system and learn the most common Unix commands and concepts so that Unix can do the hard work for you. After mastering the basics of Unix, you'll move on to how to use directories and files, work with a shell, and create and edit files. You'll then learn how to manipulate files, configure a Unix environment, and run-and even write-scripts. Throughout the book-from logging in to being root-the authors offer essential coverage of Unix.
A concise Packt Beginner's Guide to get you started with administering a Linux Mint system. This book is for those users who want to become Linux Mint system administrators and need to start learning quickly. It's assumed that you have a basic knowledge of GNU/Linux operating systems, as well as being familiar with concepts, such as kernel, filesystems, users, accounts, groups, and disk partitions
How To Unblock Everything On The Internet is the 15th book written by the cyber security expert and ethical hacker Ankit Fadia. This book comes to the rescue of all those who are deprived of information on blocked websites: Social networking sites like Facebook and Twitter; stock trading websites; USB ports; applications; chat software, and so much more. It teaches simple ways to unblock access to everything on the Internet, whichever part of the world you are in. Of interest to students, office-goers, travellers - in fact, just about anyone in front of a keyboard - readers are advised to exercise caution in usage, taking the utmost care not to contravene existing laws. The new edition is packed with even more information, with unblocking techniques for mobile phones, iPads, iPhone, and much more.

The Debian Administrator's Handbook, Debian Jessie from Discovery to Mastery
Linux Administration
Linux Mint 18.2: Desktops and Administration
A comprehensive guide to installing, configuring, and maintaining Linux systems in the modern data center
The Linux Operating System and Command Line Guide for Linux Administrators
UNIX and Linux System Administration Handbook

Ansible is an Open Source IT automation tool. This book contains all of the obvious and not-so-obvious best practices of Ansible automation. Every successful IT department needs automation nowadays for bare metal servers, virtual machines, could, containers, and edge computing. Automate your IT journey with Ansible automation technology. You are going to start with the installation of Ansible in Enterprise and Community Linux using the most command package manager and archives. Each of the 200+ lessons summarizes a module: from the most important parameter to some Ansible code and real-life usage. Each code is battle proved in the real life. Simplifying mundane activities like creating a text file, extracting and archiving, fetching a repository using HTTPS or SSH connections could be automated with some lines of code and these are only some of the long lists included in the course. There are some Ansible codes usable in all the Linux systems, some specific for RedHat-like, Debian-like, and Suse-like. The 20+ Ansible troubleshooting lesson teaches you how to read the error message, how to reproduce, and the process of troubleshooting and resolution. Are you ready to automate your day with Ansible? Examples in the book are tested with the latest version of Ansible 2.9+ and Ansible Core 2.11+.

Kali Linux: a complete pentesting toolkit facilitating smooth backtracking for working hackers About This Book Conduct network testing, surveillance, pen testing and forensics on MS Windows using Kali Linux Footprint, monitor, and audit your network and investigate any ongoing infestations Customize Kali Linux with this professional guide so it becomes your pen testing toolkit Who This Book Is For If you are a working ethical hacker who is looking to expand the offensive skillset with a thorough understanding of Kali Linux, then this is the book for you. Prior knowledge about Linux operating systems and the BASH terminal emulator along with Windows desktop and command line would be highly beneficial. What You Will Learn Set up Kali Linux for pen testing Map and enumerate your Windows network Exploit several common Windows network vulnerabilities Attack and defeat password schemes on Windows Debug and reverse-engineer Windows programs Recover lost files, investigate successful hacks and discover hidden data in innocent-looking files Catch and hold admin rights on the network, and maintain backdoors on the network after your initial testing is done In Detail Microsoft Windows is one of the two most common OS and managing its security has spawned the discipline of IT security. Kali Linux is the premier platform for testing and maintaining Windows security. Kali is built on the Debian distribution of Linux and shares the legendary stability of that OS. This lets you focus on using the network penetration, password cracking, forensics tools and not the OS. This book has the most advanced tools and techniques to reproduce the methods used by sophisticated hackers to make you an expert in Kali Linux penetration testing. First, you are introduced to Kali's top ten tools and other useful reporting tools. Then, you will find your way around your target network and determine known vulnerabilities to be able to exploit a system remotely. Next, you will prove that the vulnerabilities you have found are real and exploitable. You will learn to use tools in seven categories of exploitation tools. Further, you perform web access exploits using tools like websploit and more. Security is only as strong as the weakest link in the chain. Passwords are often that weak link. Thus, you learn about password attacks that can be used in concert with other approaches to break into and own a network. Moreover, you come to terms with network sniffing, which helps you understand which users are using services you can exploit, and IP spoofing, which can be used to poison a system's DNS cache. Once you gain access to a machine or network, maintaining access is important. Thus, you not only learn penetrating in the machine you also learn Windows privilege's escalations. With easy to follow step-by-step instructions and support images, you will be able to quickly pen test your system and network. Style and approach This book is a hands-on guide for Kali Linux pen testing. This book will provide all the practical knowledge needed to test your network's security using a proven hacker's methodology. The book uses easy-to-understand yet professional language for explaining concepts.

Quickly learn how to use Ubuntu, the fastest growing Linux distribution, in a personal or enterprise environment Whether you’re a newcomer to Linux or an experienced system administrator, the Ubuntu Linux Bible provides what you need to get the most out of one the world’s top Linux distributions. Clear, step-by-step instructions cover everything from installing Ubuntu and creating your desktop, to writing shell scripts and setting up file sharing on your network. This up-to-date guide covers the latest Ubuntu release with long-term support (version 20.04) as well as the previous version. Throughout the book, numerous examples, figures, and review questions with answers ensure that you will fully understand each key topic. Organized into four parts, the book offers you the flexibility to master the basics in the "Getting Started with Ubuntu Linux” section, or to skip directly to more advanced tasks. "Ubuntu for Desktop Users” shows you how to setup email, surf the web, play games, and create and publish documents, spreadsheets, and presentations. “Ubuntu for System Administrators" covers user administration, system backup, device management, network configuration, and other fundamentals of Linux administration. The book’s final section, "Configuring Servers on Ubuntu," teaches you to use Ubuntu to support network servers for the web, e-mail, print services, networked file sharing, DHCP (network address management), and DNS (network name/address resolution). This comprehensive, easy-to-use guide will help you: Install Ubuntu and create the perfect Linux desktop Use the wide variety of software included with Ubuntu Linux Stay up to date on recent changes and new versions of Ubuntu Create and edit graphics, and work with consumer IoT electronic devices Add printers, disks, and other devices to your system Configure core network services and administer Ubuntu systems Ubuntu Linux Bible is a must-have for anyone looking for an accessible, step-by-step tutorial on this hugely popular Linux operating system.