

Debian Linux Administration Guide

The Linux Command Line
The Linux System Administrator's Guide
Introduction to Linux (Second Edition)
Linux Administration: A Beginner's Guide, Seventh Edition
Debian GNU/Linux Bible
Linux Networking Cookbook
Kali Linux Revealed
The Complete Guide to Linux System Administration
WildFly Administration Guide
Practical Linux Infrastructure
Mastering Linux Network Administration
Linux System Administration
UNIX and Linux System Administration Handbook
Managing Linux Systems with Webmin
Debian 7: System Administration Best Practices
The Debian Administrator's Handbook
LPIC-2: Linux Professional Institute Certification Study Guide
Linux Mint System Administrator's Beginner's Guide
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Practical Linux Topics
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Learning Debian GNU/Linux
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Linux System Administration
Linux Administration Handbook
Essential Linux Administration
Linux Network Administrator's Guide
UNIX System Administration Handbook
Pro Linux System Administration
Linux Bible
UNIX and Linux System Administration Handbook
Linux Administration Cookbook
Linux Network Administrator's Guide
Linux Administration

The Linux Command Line

Perfect for systems and network administrators migrating from Windows NT to Linux, or experimenting with bringing Linux into their network topology. Even novice users will find plenty of helpful information on administering the open source operating system—including installation, initial configuration, using the bash command shell, managing files, managing software, and granting rights to users.

The Linux System Administrator's Guide

Prepares users for the Red Hat Certified Technician (RHCT) Certification, Linux Professional Institute (LPI) Certification, and SAIR/GNU Linux Certified Administrator (LCA) Certification.

Introduction to Linux (Second Edition)

Linux Administration: A Beginner's Guide, Seventh Edition

Provides step-by-step instructions on how to use the computer operating system Linux.

Debian GNU/Linux Bible

“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.

Linux Networking Cookbook

WildFly is the most popular open-source Java application server. This book is an in-depth guide to the administration and management of the of the application server, covering all of the latest architectural and management changes such as: - How to achieve High Availability of your WildFly cluster - How to configure the newest subsystems (agroal, mp subsystems) - Delivering advanced and leak-proof Datasource configuration - Provisioning custom Server distributions with Galleon tool. - Using the Undertow Web server as front-end for mod_cluster and as Reverse Proxy Server - Migrating your older legacy configurations to WildFly newer subsystems - Securing the application server with Elytron Framework - Configuring a robust JMS cluster with Apache Artemis MQ - Running WildFly in the cloud with Openshift and CRC - Configuring Eclipse Micro Profiles and much more, with improved online examples!

Kali Linux Revealed

This soup-to-nuts collection of recipes covers everything you need to know to perform your job as a Linux network administrator, whether you're new to the job or have years of experience. With Linux Networking Cookbook, you'll dive straight into the gnarly hands-on work of building and maintaining a computer network. Running a network doesn't mean you have all the answers. Networking is a complex subject with reams of reference material that's difficult to keep straight, much less remember. If you want a book that lays out the steps for specific tasks, that clearly explains the commands and configurations, and does not tax your

patience with endless ramblings and meanderings into theory and obscure RFCs, this is the book for you. You will find recipes for: Building a gateway, firewall, and wireless access point on a Linux network Building a VoIP server with Asterisk Secure remote administration with SSH Building secure VPNs with OpenVPN, and a Linux PPTP VPN server Single sign-on with Samba for mixed Linux/Windows LANs Centralized network directory with OpenLDAP Network monitoring with Nagios or MRTG Getting acquainted with IPv6 Setting up hands-free networks installations of new systems Linux system administration via serial console And a lot more. Each recipe includes a clear, hands-on solution with tested code, plus a discussion on why it works. When you need to solve a network problem without delay, and don't have the time or patience to comb through reference books or the Web for answers, Linux Networking Cookbook gives you exactly what you need.

The Complete Guide to Linux System Administration

Now covers Red Hat Linux! Written by Evi Nemeth, Garth Snyder, Scott Seebass, and Trent R. Hein with Adam Boggs, Rob Braun, Ned McClain, Dan Crawl, Lynda McGinley, and Todd Miller "This is not a nice, neat book for a nice, clean world. It's a nasty book for a nasty world. This is a book for the rest of us." -Eric Allman and Marshall Kirk McKusick "I am pleased to welcome Linux to the UNIX System Administration Handbook!" -Linus Torvalds, Transmeta "This book is most welcome!" -Dennis Ritchie, AT&T Bell Laboratories This new edition of the world's most comprehensive guide to UNIX system administration is an ideal tutorial for those new to administration and an invaluable reference for experienced professionals. The third edition has been expanded to include "direct from the frontlines" coverage of Red Hat Linux. UNIX System Administration Handbook describes every aspect of system administration—from basic topics to UNIX esoterica—and provides explicit coverage of four popular UNIX systems: This book stresses a practical approach to system administration. It's packed with war stories and pragmatic advice, not just theory and watered-down restatements of the manuals. Difficult subjects such as sendmail, kernel building, and DNS configuration are tackled head-on. Examples are provided for all four versions of UNIX and are drawn from real-life systems—warts and all. "This book is where I turn first when I have system administration questions. It is truly a wonderful resource and always within reach of my terminal." -W. Richard Stevens, author of numerous books on UNIX and TCP/IP "This is a comprehensive guide to the care and feeding of UNIX systems. The authors present the facts along with seasoned advice and numerous real-world examples. Their perspective on the variations among systems is valuable for anyone who runs a heterogeneous computing facility." -Pat Parseghian, Transmeta "We noticed your book on the staff recommendations shelf at our local bookstore: 'Very clear, a masterful interpretation of the subject.' We were most impressed, until we noticed that the same staff member had also recommended Aunt Bea's Mayberry Cookbook." -Shannon Bloomstran, history teacher

WildFly Administration Guide

A guide to Linux networking covers such topics as TCP/IP, Apache, Samba, connecting with a serial line, running inetd superservers, logging in remotely, and setting up a nameserver.

Practical Linux Infrastructure

Master All the Techniques You Need to Succeed with Fedora and Red Hat Enterprise Linux Set up key Internet servers, step by step, including Samba, Apache, sendmail, DNS, FTP, and other Internet servers Automate and streamline administration with this edition's outstanding new chapter on Perl scripting Master GUI-based admin tools and the powerful Linux command line (CLI) In this book, one of the world's leading Linux experts brings together all the knowledge you'll need to succeed with Fedora or Red Hat Enterprise Linux in any real-world environment. Best-selling author Mark Sobell explains Linux clearly and effectively, focusing on skills you'll actually use as an administrator, user, or programmer. Sobell assumes no prior Linux knowledge. He starts at the beginning and walks you through every topic and task that matters, using easy-to-understand examples. Step by step, you'll learn how to install and configure Linux from the accompanying DVD, navigate its graphical user interfaces, provide file/print sharing and Internet services, make sure Linux desktops and networks are as secure as possible, work with the powerful command line, administer Linux efficiently, and even automate administration with Perl scripts. Mark Sobell has taught hundreds of thousands of Linux and UNIX professionals. He knows every Linux nook and cranny—and he never forgets what it's like to be new to Linux. Whatever you'll want to do with Linux—now or in the future—this book gives you everything you'll need. Compared with the other Linux books out there, *A Practical Guide to Fedora™ and Red Hat® Enterprise Linux®, Fifth Edition*, delivers Complete, up-to-the-minute coverage of Fedora 12 and RHEL 5 Deeper coverage of the command line and the newest GUIs, including desktop customization More practical coverage of file sharing using Samba, NFS, and FTP More and better coverage of automating administration with Perl More usable, realistic coverage of Internet server configuration, including Apache, sendmail, NFS, DNS/BIND, and LDAP More state-of-the-art security techniques, including SELinux (Security Enhanced Linux), ACLs (Access Control Lists), firewall setup using both the Red Hat GUI and iptables, and a full chapter on OpenSSH More and better coverage of system/network administration tasks, including new coverage of network monitoring with Cacti Complete instructions on keeping Linux systems up-to-date using yum And much more, including a 500+ term glossary and a comprehensive index Includes DVD! Get the full version of the Fedora 12 release!

Mastering Linux Network Administration

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 Administrator Jason 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.

Linux System Administration

More than 50 percent new and revised content for today's Linux environment gets you up and running in no time! Linux continues to be an excellent, low-cost alternative to expensive operating systems. Whether you're new to Linux or need a reliable update and reference, this is an excellent resource. Veteran bestselling author Christopher Negus provides a complete tutorial packed with major updates, revisions, and hands-on exercises so that you can confidently start using Linux today. Offers a complete restructure, complete with exercises, to make the book a better learning tool Places a strong focus on the Linux command line tools and can be used with all distributions and versions of Linux Features in-depth coverage of the tools that a power user and a Linux administrator need to get started This practical learning tool is ideal for anyone eager to set up a new Linux desktop system at home or curious to learn how to manage Linux server systems at work.

UNIX and Linux System Administration Handbook

An expert in UNIX/Linux systems integration presents a comprehensive and detailed guide to Linux system administration, for any skill level, that covers such areas as installing a Linux system, Linux distribution differences and considerations, and understanding the principles of Linux security. Original. (Intermediate)

Managing Linux Systems with Webmin

“As this book shows, Linux systems are just as functional, secure, and reliable as their proprietary counterparts. Thanks to the ongoing efforts of thousands of Linux developers, Linux is more ready than ever for deployment at the frontlines of the real world. The authors of this book know that terrain well, and I am happy to leave you in their most capable hands.” –Linus Torvalds “The most successful sysadmin book of all time—because it works!” –Rik Farrow, editor of ;login: “This book clearly explains current technology with the perspective of decades of experience in large-

scale system administration. Unique and highly recommended.” –Jonathan Corbet, cofounder, LWN.net “Nemeth et al. is the overall winner for Linux administration: it’s intelligent, full of insights, and looks at the implementation of concepts.” –Peter Salus, editorial director, Matrix.net Since 2001, Linux Administration Handbook has been the definitive resource for every Linux® system administrator who must efficiently solve technical problems and maximize the reliability and performance of a production environment. Now, the authors have systematically updated this classic guide to address today’s most important Linux distributions and most powerful new administrative tools. The authors spell out detailed best practices for every facet of system administration, including storage management, network design and administration, web hosting, software configuration management, performance analysis, Windows interoperability, and much more. Sysadmins will especially appreciate the thorough and up-to-date discussions of such difficult topics such as DNS, LDAP, security, and the management of IT service organizations. Linux® Administration Handbook, Second Edition, reflects the current versions of these leading distributions: Red Hat® Enterprise Linux® Fedora™ Core SUSE® Linux Enterprise Debian® GNU/Linux Ubuntu® Linux Sharing their war stories and hard-won insights, the authors capture the behavior of Linux systems in the real world, not just in ideal environments. They explain complex tasks in detail and illustrate these tasks with examples drawn from their extensive hands-on experience.

Debian 7: System Administration Best Practices

A step-by-step, example-based guide to learning how to install and administer the Debian Linux distribution. Debian 7: System Administration Best Practices is for users and administrators who are new to Debian, or for seasoned administrators who are switching to Debian from another Linux distribution. A basic knowledge of Linux or UNIX systems is useful, but not strictly required. Since the book is a high level guide, the reader should be willing to go to the referenced material for further details and practical examples.

The Debian Administrator's Handbook

A guide geared toward seasoned Linux and Unix administrators offers practical knowledge for managing a range of Linux systems and servers, covering such topics as installing servers, setting up e-mail systems, and creating shell scripts.

LPIC-2: Linux Professional Institute Certification Study Guide

Teaches you how to improve your hands-on knowledge of Linux using challenging, real-world scenarios. Each chapter explores a topic that has been chosen specifically to demonstrate how to enhance your base Linux system, and resolve important issues. This book enables sysadmins, DevOps engineers, developers, and other technical professionals to make full use of Linux’s rocksteady foundation. Explore specific topics in networking, email, filesystems, encryption, system monitoring, security, servers, and more-- including systemd and GPG. Understand salient security concerns and how to mitigate them. Applicable to almost all Linux flavors--Debian, Red Hat, Ubuntu, Linux Mint, CentOS--Practical Linux Topics can be

used to reference other Unix-type systems with little modification. Improve your practical know-how and background knowledge on servers and workstations alike, increase your ability to troubleshoot and ultimately solve the daily challenges encountered by all professional Linux users. Empower your Linux skills by adding Power Linux Topics to your library today. What You'll Learn Solve a variety of challenges faced by sysadmins and DevOps engineers Understand the security implications of the actions you take Study the history behind some of the packages that you are using for a greater in-depth understanding Become a professional at troubleshooting Extend your knowledge by learning about multiple OSs and third-party packages Who This Book Is For Having mastered the basics of running Linux systems this book takes you one step further to help you master the elements of Linux which you may have struggled with in the past. You have progressed past the basic stages of using Linux and want to delve into the more complex aspects. Practical Linux instantly offers answers to problematic scenarios and provides invaluable information for future reference. It is an invaluable addition to any Linux library.

Linux Mint System Administrator's Beginner's Guide

Provides information and guidance on managing Linux patches and updates.

A Practical Guide to Fedora and Red Hat Enterprise Linux

Practical Linux Infrastructure teaches you how to use the best open source tools to build a new Linux infrastructure, or alter an existing infrastructure, to ensure it stands up to enterprise-level needs. Each chapter covers a key area of implementation, with clear examples and step-by-step instructions. Using this book, you'll understand why scale matters, and what considerations you need to make. You'll see how to switch to using Google Cloud Platform for your hosted solution, how to use KVM for your virtualization, how to use Git, Postfix, and MySQL for your version control, email, and database, and how to use Puppet for your configuration management. For enterprise-level fault tolerance you'll use Apache, and for load balancing and high availability, you'll use HAProxy and Keepalived. For trend analysis you'll learn how to use Cacti, and for notification you'll use Nagios. You'll also learn how to utilize BIND to implement DNS, how to use DHCP (Dynamic Host Configuration Protocol), and how to setup remote access for your infrastructure using VPN and Iptables. You will finish by looking at the various tools you will need to troubleshoot issues that may occur with your hosted infrastructure. This includes how to use CPU, network, disk and memory management tools such as top, netstat, iostat and vmstat. Author Syed Ali is a senior site reliability engineering manager, who has extensive experience with virtualization and Linux cloud based infrastructure. His previous experience as an entrepreneur in infrastructure computing offers him deep insight into how a business can leverage the power of Linux to their advantage. He brings his expert knowledge to this book to teach others how to perfect their Linux environments. Become a Linux infrastructure pro with Practical Linux Infrastructure today.

Linux System Administration

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.

Linux Administrator Street Smarts

The Linux System Administrator's Guide describes the system administration aspects of using Linux. It is intended for people who know next to nothing about system administration (those saying ``what is it?"), but who have already mastered at least the basics of normal usage. This manual doesn't tell you how to install Linux; that is described in the Installation and Getting Started document. See below for more information about Linux manuals. System administration covers all the things that you have to do to keep a computer system in usable order. It includes things like backing up files (and restoring them if necessary), installing new programs, creating accounts for users (and deleting them when no longer needed), making certain that the file system is not corrupted, and so on. The structure of this manual is such that many of the chapters should be usable independently, so if you need information about backups, for example, you can read just that chapter.

The Linux Cookbook, 2nd Edition

Whether you're a veteran or an absolute n00b, this is the best place to start with Kali Linux, the security professional's platform of choice, and a truly industrial-grade, and world-class operating system distribution-mature, secure, and enterprise-ready.

Linux Patch Management

Annotation Solving the need for a Linux guide that is both comprehensive and user-friendly, ESSENTIAL LINUX ADMINISTRATION: A COMPREHENSIVE GUIDE FOR BEGINNERS enables the reader to better understand Linux-based networking and server administration. The text covers the entire breadth of Linux administration topics that professionals in the IT industry need to know. As the need to effectively use Linux grows, ESSENTIAL LINUX ADMINISTRATION: A COMPREHENSIVE GUIDE FOR BEGINNERS will continue to be a crucial resource for anyone in the field.

Linux System Administration

"Most Indispensable Linux Book" --2001 Linux Journal Readers Choice Awards
Authoritative Answers to All Your Linux Questions You can rely on the fully updated second edition of Linux System Administration for answers to all your questions about installing, configuring, and administering Linux. Written by two Linux experts, this book teaches you, step-by-step, all the standard and advanced techniques you need to know to set up and maintain a secure, effective Linux environment. Scores of clear, consistent examples illustrate these techniques in detail--so you stay on track and accomplish all your goals. Coverage includes: * Installing a Linux server * Setting up and maintaining user and group accounts * Setting up Linux system security * Sharing files using Samba and NFS * Implementing a backup strategy * Troubleshooting common Linux problems *

Setting up the X Window System * Setting up TCP/IP and connecting to the Internet * Setting up a mail server * Maintaining filesystems and partitions * Configuring printers * Improving system performance * Writing shell scripts * Using Webmin for cross-distribution GUI administration The Craig Hunt Linux Library The Craig Hunt Linux Library provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, Network Servers, DNS Server Administration, Apache, Security, and Sendmail. Each book in the series is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage for networking professionals working specifically in Linux environments.

Practical Linux Topics

Red Hat Linux Administration

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

Learning Debian GNU/Linux

A guide to the Debian 2.1 distribution of Linux demonstrates the capabilities of the completely open-source operating system, covering installation, setup, and basic

applications

The Debian System

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 SysAdmin"

Proxmox VE Administration Guide Release 6

Provides instructions on using Webmin, covering such topics as installation, partitions, system logs, firewall configuration, cluster modules, and Webmin modules.

Linux System Administration

Full coverage of the latest LPI-level 2 exams, with bonus online test bank LPIC-2 is the one-stop preparation resource for the Linux Professional Institute's Advanced Level certification exam. With 100 percent coverage of all exam objectives, this book provides clear and concise coverage of the Linux administration topics you'll need to know for exams 201 and 202. Practical examples highlight the real-world applications of important concepts, and together, the author team provides insights based on almost fifty years in the IT industry. This brand new second edition has been completely revamped to align with the latest versions of the exams, with authoritative coverage of the Linux kernel, system startup, advanced storage, network configuration, system maintenance, web services, security, troubleshooting, and more. You also get access to online learning tools including electronic flashcards, chapter tests, practice exams, and a glossary of critical terms to help you solidify your understanding of upper-level Linux administration topics. The LPI-level 2 certification confirms your advanced Linux skill set, and the demand for qualified professionals continues to grow. This book gives you the conceptual guidance and hands-on practice you need to pass the exam with flying colors. Understand all of the material for both LPIC-2 exams Gain insight into real-

world applications Test your knowledge with chapter tests and practice exams
Access online study aids for more thorough preparation Organizations are flocking to the open-source Linux as an excellent, low-cost, secure alternative to expensive operating systems like Microsoft Windows. As the Linux market share continues to climb, organizations are scrambling to find network and server administrators with expert Linux knowledge and highly practical skills. The LPI-level 2 certification makes you the professional they need, and LPIC-2 is your ideal guide to getting there.

Linux Administration Handbook

Surveys the best practices for all aspects of system administration, covering such topics as storage management, email, Web hosting, performance analysis, virtualization, DNS, security, and configuration management.

Essential Linux Administration

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).

Linux Network Administrator's Guide

Provides immediate solutions to the most common Linux installation and configuration tasks. It expertly explains the complexities of upgrading an existing Linux installation and rebuilding from source. It covers the use of the most common major Linux servers and utilities, including Apache, Sendmail, majordomo, DHCP, Samba, ISC BIND, and Coda.Covers kernel configuration, networking, system security, Internet services, LAN services, file systems, and much more.
Author- Dee-Ann LeBlanc

UNIX System Administration Handbook

Debian GNU/Linux is one of the major Linux distributions available today. It is known as the most open" of the Linux distributions -- for its commitment to the free software principals, and its community-centricism. It is also known for its tradition of high-quality packages and package management tools, as well as its focus on security issues. Debian GNU/Linux(r) Bible focuses on common apps, GUIs, networking, and system administration. The Debian Project's Internet-based development model has helped the distribution achieve unparalleled Internet functionality. One of the most popular features in Debian GNU/Linux is "apt-get," which automates free network downloads of all software package updates, making the Debian CD the last CD you will ever need to keep your system up-to-date with Linux."

Pro Linux System Administration

Over 100 recipes to get up and running with the modern Linux administration ecosystem Key Features Understand and implement the core system

administration tasks in Linux Discover tools and techniques to troubleshoot your Linux system Maintain a healthy system with good security and backup practices Book Description Linux is one of the most widely used operating systems among system administrators, and even modern application and server development is heavily reliant on the Linux platform. The Linux Administration Cookbook is your go-to guide to get started on your Linux journey. It will help you understand what that strange little server is doing in the corner of your office, what the mysterious virtual machine languishing in Azure is crunching through, what that circuit-board-like thing is doing under your office TV, and why the LEDs on it are blinking rapidly. This book will get you started with administering Linux, giving you the knowledge and tools you need to troubleshoot day-to-day problems, ranging from a Raspberry Pi to a server in Azure, while giving you a good understanding of the fundamentals of how GNU/Linux works. Through the course of the book, you'll install and configure a system, while the author regales you with errors and anecdotes from his vast experience as a data center hardware engineer, systems administrator, and DevOps consultant. By the end of the book, you will have gained practical knowledge of Linux, which will serve as a bedrock for learning Linux administration and aid you in your Linux journey. What you will learn Install and manage a Linux server, both locally and in the cloud Understand how to perform administration across all Linux distros Work through evolving concepts such as IaaS versus PaaS, containers, and automation Explore security and configuration best practices Troubleshoot your system if something goes wrong Discover and mitigate hardware issues, such as faulty memory and failing drives Who this book is for If you are a system engineer or system administrator with basic experience of working with Linux, this book is for you.

Linux Bible

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

UNIX and Linux System Administration Handbook

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

Linux Administration Cookbook

Now with a virtual machine showcasing the book's test system configuration, *Linux Administration: A Beginner's Guide, Seventh Edition* teaches system administrators how to set-up and configure Linux quickly and easily. Effectively set up and manage any version of Linux on individual servers or entire networks using this practical resource. Fully updated to cover the latest tools and techniques, *Linux Administration: A Beginner's Guide, Seventh Edition* features clear explanations, step-by-step instructions, and real-world examples. Find out how to configure hardware and software, work from the GUI or command line, maintain Internet and network services, and secure your data. Performance tuning, virtualization, containers, software management, and backup solutions are covered in detail.

- Install and configure Linux, including the latest distributions from Fedora, Ubuntu, CentOS, openSUSE, Debian, and RHEL
- Manage users, permissions, files, folders, and applications
- Set up and administer system services and daemons
- Manage software from source code or binary packages
- Customize, build, or patch the Linux kernel
- Work with physical and virtual file systems, such as proc, SysFS, and cgroup
- Understand networking protocols, including TCP/IP, ARP, IPv4, and IPv6
- Build reliable firewalls and routers with Netfilter (iptables and nftables) and Linux
- Monitor and test network activity and minimize security threats
- Create and maintain DNS, FTP, web, e-mail, print, LDAP, and VoIP servers
- Share resources using GlusterFS, NFS, and Samba
- Implement popular cloud-based technologies using Linux virtualization and containers using KVM and Docker

Linux Network Administrator's Guide

Implement a SOHO or SMB Linux infrastructure to expand your business and associated IT capabilities. Backed by the expertise and experienced guidance of the authors, this book provides everything you need to move your business forward. *Pro Linux System Administration* makes it easy for small- to medium-sized businesses to enter the world of zero-cost software running on Linux and covers all the distros you might want to use, including Red Hat, Ubuntu, Debian, and CentOS. *Pro Linux System Administration* takes a layered, component-based approach to open source business systems, while training system administrators as the builders of business infrastructure. Completely updated for this second edition, Dennis Matotek takes you through an infrastructure-as-code approach, seamlessly taking you through steps along the journey of Linux administration with all you need to master complex systems. This edition now includes Jenkins, Ansible, Logstash and more. What You'll Learn: Understand Linux architecture Build, back up, and recover Linux servers Create basic networks and network services with Linux Build and implement Linux infrastructure and services including mail, web, databases, and file and print Implement Linux security Resolve Linux performance and capacity

planning issues Who This Book Is For: Small to medium-sized business owners looking to run their own IT, system administrators considering migrating to Linux, and IT systems integrators looking for an extensible Linux infrastructure management approach.

Linux Administration

Despite its reputation as an operating system exclusively for professionals and hardcore computer hobbyists, Debian's open development cycle and strict quality control have helped it to gain popularity. With an installed base that's growing annually by an estimated 25 percent, Debian clearly has its fair share of fans (not to mention the newsmaking Debian-based Linux distributions such as Knoppix, Ubuntu, and Xandros). Unlike other popular Linux distributions, the Debian GNU/Linux operating system favors text-based configuration over graphical user interfaces (GUIs). In *The Debian System*, author Martin Krafft, an experienced Debian developer, introduces the concept of the Debian operating system, and explains how to use its various tools and techniques as well as the pitfalls and the thinking behind each. Debian may appear simplistic, but it is actually quite robust, scalable, and secure. After reading *The Debian System*, you'll see that strict adherence to standards, highly experienced developers, a clear vision and goals, and a certain degree of academic perfection make Debian the exceptional system that it is today. This is a fascinating, must-have volume that UNIX and Linux administrators will find complements the standard Linux references and will quickly orient you to Debian's unique philosophy and structure. Co-published with Open Source Press, an independent publisher based in Munich that specializes in the field of free and open source software. Visit the book's companion site for a discussion forum, errata, frequently asked questions, and more.

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