

Fedora Linux Servers With Systemd Richard Petersen

Docker is rapidly changing the way organizations deploy software at scale. However, understanding how Linux containers fit into your workflow—and getting the integration details right—is not a trivial task. With the updated edition of this practical guide, you'll learn how to use Docker to package your applications with all of their dependencies and then test, ship, scale, and support your containers in production. This edition includes significant updates to the examples and explanations that reflect the substantial changes that have occurred over the past couple of years. Sean Kane and Karl Matthias have added a complete chapter on Docker Compose, deeper coverage of Docker Swarm mode, introductions to both Kubernetes and AWS Fargate, examples on how to optimize your Docker images, and much more. Learn how Docker simplifies dependency management and deployment workflows for applications with Docker Images, containers, and command-line tools Use practical techniques to deploy and test Docker containers in production Debug containers by understanding their composition and internal processes Deploy production containers at scale inside your data center or cloud environment Explore advanced Docker topics, including deployment tools, networking, orchestration, security, and configuration

Praise for the First Edition: "This outstanding book ... gives the reader robust concepts and implementable knowledge of this environment. Graphical user interface (GUI)-based users and developers do not get short shrift, despite the command-line interface's (CLI) full-power treatment. ... Every programmer should read the introduction's Unix/Linux philosophy section. ... This authoritative and exceptionally well-constructed book has my highest recommendation. It will repay careful and recursive study." --Computing Reviews, August 2011 Mastering Modern Linux, Second Edition retains much of the good material from the previous edition with extensive updates and new topics added. The book provides a comprehensive and up-to-date guide to Linux concepts, usage, and programming. The text helps the reader master Linux with a well-selected set of topics, and encourages hands-on practice. The first part of the textbook covers interactive use of Linux via the Graphical User Interface (GUI), including comprehensive treatment of the Gnome desktop and the Bash Shell. Using different apps, commands and filters, building pipelines, and matching patterns with regular expressions are major focuses. Next comes Bash scripting, file system structure, organization, and usage. The following chapters present networking, the Internet and the Web, data encryption, basic system admin, as well as Web hosting. The Linux Apache MySQL/MariaDB PHP (LAMP) Web hosting combination is also presented in depth. In the last part of the book, attention is turned to C-level programming. Topics covered include the C compiler, preprocessor, debugger, I/O, file manipulation, process control, inter-process communication, and networking. The book includes many examples and complete programs ready to download and run. A summary and exercises of varying degrees of difficulty can be found at the end of each chapter. A companion website (<http://mml.sofpower.com>) provides appendices, information updates, an example code package, and other resources for instructors, as well as students.

Online courses and training to help your students pass the CompTIA Linux+ certification exam Help your students quickly master the technical knowledge and the exam performance skills they need to pass CompTIA Linux+ certification exam. This comprehensive, flexible, fully integrated online system will help you make the most of every minute you spend teaching and preparing — and every minute your students spend learning and reviewing. Combining comprehensive interactive resources with an industry-leading eText, it: • Targets outstanding content to each student's specific needs • Systematically builds exam readiness and confidence • Gives you – the instructor – powerful new tools to magnify your impact For more information, including a quick video walkthrough of features, visit www.mycertificationlab.com.

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 System Administration Made Easy with systemd

Learn Linux 7.0

Exam XK0-005

PostgreSQL Administration Cookbook, 9.5/9.6 Edition

PostgreSQL 10 Administration Cookbook

Pro Python System Administration, Second Edition explains and shows how to apply Python scripting in practice. It will show you how to approach and resolve real-world issues that most system administrators will come across in their careers. This book has been updated using Python 2.7 and Python 3 where appropriate. It also uses various new and relevant open source projects and tools that should now be used in practice. In this updated edition, you will find several projects in the categories of network administration, web server administration, and monitoring and database management. In each project, the author will define the problem, design the solution, and go through the more interesting implementation steps. Each project is accompanied by the source code of a fully working prototype, which you'll be able to use immediately or adapt to your requirements and environment. This book is primarily aimed at experienced system administrators whose day-to-day tasks involve looking after and managing small-to-medium-sized server estates. It will also be beneficial for system administrators who want to learn more about automation and want to apply their Python knowledge to solve various system administration problems. Python developers will also benefit from reading this book, especially if they are involved in developing automation and management tools.

Over 100 recipes to get up and running with the modern Linux administration ecosystem Key FeaturesUnderstand and implement the core system administration tasks in LinuxDiscover tools and techniques to troubleshoot your Linux systemMaintain a healthy system with good security and backup practicesBook Description Linux is one of the most widely used operating systems among servers, administrators, and server developers. It 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 language in Azure is crumpling 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 learnInstall and manage a Linux server, both locally and in the cloudUnderstand how to perform administration across all Linux distrosWork through evolving concepts such as IaaS versus PaaS, containers, and automationExplore security and configuration best practicesTroubleshoot your system if something goes wrongDiscover and mitigate hardware issues, such as faulty memory and failing drivesWho 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.

A comprehensive guide for teaching system administrators, developers, and security professionals how to create their own systemd units and maintain system security Key FeaturesMaintain and troubleshoot systemd services with easeLearn to create, modify, and reload service files and use systemd utilitiesUse groups to control resource usage and enhance securityBook Description Linux Service Management Made Easy with systemd will provide you with an in-depth understanding of systemd, so that you can set up your servers securely and efficiently. This is a comprehensive guide for Linux administrators that will help you get the best of systemd, starting with an explanation of the fundamentals of systemd management. You'll also learn how to edit and create your own systemd units, which will be particularly helpful if you need to create custom services or timers and add features or security to an existing service. Next, you'll find out how to analyze and fix boot-up challenges and set system parameters. An overview of groups that'll help you control system resource usage for both processes and users will also be covered, alongside a practical demonstration on how groups are structured, spotting the differences between groups Version 1 and 2, and how to set resource limits on both. Finally, you'll learn about the systemd way of performing time-keeping, and how the systemd journal management. You'll discover how to configure services accurately and gather system information to analyze system security and performance. By the end of this Linux book, you'll be able to efficiently manage all aspects of a server running the systemd init system. What you will learnUse basic systemd utilities to manage a systemCreate and edit your own systemd unitsCreate services for Podman-Docker containersEnhance system security by adding security-related parametersFind important information with journalAdminister boot-up problemsConfigure system settings with systemd utilitiesWho this book is for This book is best suited for Linux administrators who want to learn more about maintaining and troubleshooting Linux servers. It will also be useful for aspiring administrators studying for a Linux certification exam, developers looking to learn how to create systemd unit files, and security administrators who want to understand the security settings that can be used in systemd units and how to control resource usage with cgroups. Before you dive into this book, you'll need a solid working knowledge of basic Linux commands.

A practical guide to administer, monitor and replicate your PostgreSQL 10 database Key Features Get to grips with the capabilities of PostgreSQL 10 to administer your database more efficiently Monitor, tune, secure and protect your database for optimal performance A step-by-step, recipe-based guide to help you tackle any problem in PostgreSQL 10 administration with ease Book Description PostgreSQL is a powerful, open source database management system with an enviable reputation for high performance and stability. With many new features in its arsenal, PostgreSQL 10 allows users to scale up their PostgreSQL infrastructure. This book takes a step-by-step, recipe-based approach to effective PostgreSQL administration. Throughout this book, you will be introduced to these new features such as logical replication, native table partitioning, additional query parallelism, and much more. You will learn how to tackle a variety of problems that are basically the pain points for any database administrator - from creating tables to managing views, from improving performance to securing your database. More importantly, the book pays special attention to topics such as monitoring roles, backup, and recovery of your PostgreSQL 10 database, ensuring high availability, concurrency, and replication. By the end of this book, you will know everything you need to know to be the go-to PostgreSQL expert in your organization. What you will learn Get to grips with the newly released PostgreSQL 10 features to improve database performance and reliability Manage open source PostgreSQL versions 10 on various platforms. Explore best practices for planning and designing live databases Select and implement robust backup and recovery techniques in PostgreSQL 10 Explore concise and clear guidance on replication and high availability Discover advanced technical tips for experienced users Who this book is for This book is for database administrators, data architects, developers, or anyone with an interest in planning for, or running, live production databases using PostgreSQL. It is most suited to those looking for hands-on solutions to any problem associated with PostgreSQL administration.

Networking and Servers

Fedora 18 Linux

Insightful recipes to work with system administration tasks on Linux

Exam 101-500 and Exam 102-500

Over 175 proven recipes for database administrators to manage enterprise databases effectively

Administer, monitor, and replicate your PostgreSQL 14 database for efficient database management and maintenance Key FeaturesTroubleshoot and tackle any administration and management problems in PostgreSQL 14Find expert techniques for monitoring, fine-tuning, and securing your databaseAdopt efficient replication for high availability with PostgreSQL 14Book Description PostgreSQL is a powerful, open-source database management system with an enviable reputation for high performance and stability. With many new features in its arsenal, PostgreSQL 14 allows you to scale up your PostgreSQL infrastructure. With this book, you'll take a step-by-step, recipe-based approach to effective PostgreSQL administration. This book will get you up and running with all the latest features of PostgreSQL 14 while helping you explore the entire database ecosystem. You'll learn how to manage your PostgreSQL database more effectively, including how to create and replicate your PostgreSQL 14 database. This book will help you understand roles, ensuring high availability, concurrency, and replication. Along with updated recipes, this book touches upon important areas like using generated columns, TOAST compression, PostgreSQL on the cloud, and much more. By the end of this PostgreSQL book, you'll have gained the knowledge you need to manage your PostgreSQL 14 database efficiently, both in the cloud and on-premise. What you will learnPlan, manage, and maintain PostgreSQL databases in productionWork with the newly introduced features of PostgreSQL 14Use pgAdmin or OmniDB to perform database administrator (DBA) tasksUse psql to write accurate and repeatable scriptsUnderstand how to tackle real-world data issues with the help of explainSelect and implement robust backup and recovery techniques in PostgreSQL 14Deploy best practices for planning and designing live databasesWho this book is for This book is for database administrators, data architects, database developers, and anyone with an interest in planning and running live production databases using PostgreSQL 14. Those looking for hands-on solutions to any problem associated with PostgreSQL 14 administration will also find this book useful. Some experience with handling PostgreSQL databases will help you to make the most of this book, however, it is a useful resource even if you are just beginning your PostgreSQL journey.

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 Enterprise Linux, Fedora, and Ubuntu. This book is 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 Matlock takes you through an infrastructure-as-code approach, seamlessly taking you through step 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.

Fedora 31 Essentials is designed to provide detailed information on the installation, use and administration of the Fedora 31 distribution. For beginners, the book covers topics such as operating system installation, the basics of the GNOME desktop environment, configuring email and web servers and installing packages and system updates using App Streams. Additional installation topics such as dual booting with Microsoft Windows are also covered, together with all important security topics such as configuring a firewall and user and group administration. For the experienced user, topics such as remote desktop access, the Cockpit web interface, logical volume management (LVM), disk partitioning, swap management, KVM virtualization, Secure Shell (SSH), Linux Containers and file sharing with both Samba and NFS are covered in detail to provide a thorough overview of this enterprise class operating system.

Red Hat Enterprise Linux server reference for Fedora Linux with systemd. This second edition covers Fedora Linux 23. Administration tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key networking and server tasks. Topics covered include the systemd service manager, the systemd service and target files for each server, server roles, and the firewall/firewall. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba (Windows shares). Network support servers and applications covered include the Squid proxy server, the Domain Name System server, and DHCP.

A beginner's guide to getting well versed in analytics, interactive dashboards, and monitoring Practical Guide to Fedora and Red Hat Enterprise Linux Mycertificationlab's -Access Card

Mastering Modern Linux

CompTIA Linux+ Study Guide

Second Edition

Discover which ARTIK modules to use for various applications, and how to produce code for them. This book goes beyond the information previously available online, efficiently guiding developers from initial setup of their development environment to product development and prototyping in no time. Beginners will find helpful background insights into hardware technology and useful reference information is included for more advanced developers. Samsung's announcement of the new ARTIK modules for IoT has generated tremendous interest in the developer market for wearable and other consumer or industrial devices. This book provides the perfect tutorial-based introduction to the ARTIK family of " Systems on Modules, " which integrate powerful microprocessors, memory, wireless connectivity, and an enhanced compiler to your very small form factor boards. With Beginning Samsung ARTIK as your guide, take the next steps to creating great Arduino systems with an ARTIK. What You'll Learn Use terminal editors to access the command line and talk to the device Establish Wi-Fi connectivity with a wireless network Upgrade the operating system and install additional software Bring up Eclipse IDE and create a cross-compiler toolchain on Mac OS X Cross-compile for the ARM processors in the ARTIK modules using Arduino IDE with libArduino to C Use C to access the ARTIK hardware via a file based API Use Node.js and Python inside the ARTIK module Integrate applications with the Samsung SAMI data aggregation hub Use Temboo to generate IoT software solutions that can be downloaded and compiled natively inside the ARTIK Debug applications with software and hardware probes Who This Book Is For Moderately experienced developers wanting to understand ARTIK and how to interact with it from within their own apps or web services.

This book is designed as a server reference for Fedora Linux with systemd. This second edition covers Fedora Linux 28. Administration tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key networking and server tasks. Topics covered include the systemd service manager, the systemd service and target files for each server, server roles, and the firewall/firewall. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba. Network support servers and applications covered include the Squid proxy server, the Domain Name System server, and DHCP. The book is organized into five parts: system tools, Internet servers, shared resources, network support, and administration topics.

The Publisher regrets that the CD/DVD content for this title cannot be made available Online. Master All the Techniques You Need to Succeed with Fedora or Red Hat® Enterprise Linux® The #1 Fedora and RHEL resource - a tutorial AND on-the-job reference Master Linux administration and security using the command line, GUI tools, Python, systemd, and firewall Set up key Internet servers, step by step, including Samba, Apache, MariaDB/MySQL, sendmail, OpenSSH, DNS, LDAP, and more Brand-new chapter on Virtual Machines and Cloud Computing! In this comprehensive guide, one of the world's leading Linux experts brings together all the knowledge and real-world insights you need to master and succeed with today's versions of Fedora or Red Hat Enterprise Linux. Best-selling author Mark Sobell explains Linux clearly and effectively, focusing on skills you'll actually need as a user, programmer, or administrator. 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, navigate its graphical user interface, provide file/print sharing, configure network servers, secure Linux desktops and networks, work with the command line, administer Linux efficiently, and automate administration using Python and bash. 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 want to do with Linux - now or in the future - you'll find it in this book. Compared with other Linux books, A Practical Guide to Fedora and Red Hat® Enterprise Linux®, Seventh Edition, delivers Complete, up-to-the-minute coverage of Fedora 19 and RHEL 7 (beta) New programming chapters that cover Python and MariaDB/MySQL, plus a new tutorial on using GnuPG to encrypt communications Information on state-of-the-art security: SELinux, ACLs, firewall (firewall-config and firewall-cmd), iptables (system-config-firewall), GnuPG, and OpenSSH New chapter on VMs (virtual machines) and cloud computing, including VMWare, QEMU/KVM, virt-manager, virsh, GNOME Boxes, and AWS (Amazon Web Services) Expanded command-line coverage, including a new chapter that details 32 important utilities Practical information on Internet server configuration, including Apache, sendmail, NFSv4, DNS/BIND, and the new LDAP Dynamic Server.

This book is your complete guide to studying for the Linux Professional Institute's Server Professional (LPIC-1) certification. Every concept, principle, process, and resource that might make an appearance on the exam is fully presented. You will understand every concept by rolling up your sleeves, opening up a terminal, and trying it all yourself. You will find suggestions for practical tasks along with "test-yourself" quizzes at the end of each chapter. Whether you've decided to earn the Linux Professional Institute's Server Professional certification or you simply want to learn more about Linux administration, this book is a great choice. Right now, Linux administration skills are opening doors to some of the hottest job markets. And with the ongoing explosive growth of the cloud computing world - the vast majority of which is being built with Linux - the scope of the opportunities will only increase. Whether or not you end up taking the exam, if you are looking to learn this material, you'll have done yourself a real favor. What You Will Learn Basic Linux system administration and package management Device and desktop management Bash scripting Networking fundamentals Security administration Who This Book Is For Most potential readers will already have a decent idea of what Linux is and what kinds of things can be done with it, and are seeking to acquire or formalize a more structured and complete ability to confidently administer Linux systems.

Over 175 recipes for database administrators to manage enterprise databases

Advanced techniques to effectively manage, control, and monitor Linux systems and services

CompTIA Linux+ Guide to Linux Certification

CompTIA Linux+ Study Guide with Online Labs

Learn to Build Systems for Your Business Using Free and Open Source Software

A complete guide to configuring Fedora or Red Hat Enterprise Linux and succeed with in the real world. Best-selling author Mark Sobell explains Linux clearly and effectively, focusing on skills you'll actually use as a user, programmer, or administrator. Now an even more versatile learning resource, this edition adds skill objectives at the beginning of each chapter. 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 interface, provide file/print sharing, configure network servers, secure Linux desktops and networks, work with the 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 want to do with Linux—now or in the future—you'll find it here. Compared with the other Linux books out there, A Practical Guide to Fedora(tm) and Red Hat® Enterprise Linux®, Sixth Edition, delivers Complete, up-to-the-minute coverage of Fedora 15 and RHEL 6 State-of-the-art security techniques, including up-to-date firewall setup techniques using system-config-firewall and iptables, and a full chapter on OpenSSH (ssh) Coverage of crucial topics such as using su and sudo, and working with the new systemd init daemon Comprehensive coverage of the command line and key system GUI tools More practical coverage of file sharing using Samba, NFS, and FTP Superior coverage of automating administration with Perl More usable, realistic coverage of Internet server configuration, including Apache (Web), sendmail, NFSv4, DNS/BIND, and LDAP, plus new coverage of IPv6 More and better coverage of system/network administration tasks, including network monitoring with Cacti Deeper coverage of essential administration tasks—from managing users to CUPS printing, configuring LANs to building a kernel Complete instructions on keeping Linux systems up-to-date using yum And much more, including a 500+ term glossary and comprehensive indexes Includes DVD! Get the full version of the Fedora 15 release!

The bestselling study guide for the popular Linux Professional Institute Certification Level 1 (LPIC-1). The updated fifth edition of LPIC-1: Linux Professional Institute Certification Study Guide is a comprehensive, one-volume resource that covers 100% of all exam objectives. Building on the proven Sybex Study Guide approach, this essential resource offers a comprehensive suite of study and learning tools such as assessment tests, hands-on exercises, chapter review questions, and practical, real-world examples. This book, completely updated to reflect the latest 101-500 and 102-500 exams, contains clear, concise, and user-friendly information on all of the Linux administration topics you will encounter on test day. Key exam topics include system architecture, Linux installation and package management, GNU and UNIX commands, user interfaces and desktops, essential system services, network and server security, and many more. Linux Servers currently have a 20% market share which continues to grow. The Linux OS market saw a 75% increase from last year and is the third leading OS, behind Windows and MacOS. There has never been a better time to expand your skills, broaden your knowledge, and earn certification from the Linux Professional Institute. A must-have guide for anyone preparing for the 101-500 and 102-500 exams, this study guide enables you to: Assess your performance on practice exams to determine what areas need extra study Understand and retain vital exam topics such as administrative tasks, network configuration, booting Linux, working with filesystems, writing scripts, and using databases Gain insights and tips from two of the industry's most highly respected instructors, consultants, and authors Access Sybex interactive tools that include electronic flashcards, an online test bank, customizable practice exams, bonus chapter review questions, and a searchable PDF glossary of key terms LPIC-1: Linux Professional Institute Certification Study Guide is ideal for network and system administrators studying for the LPIC-1 exams, either for the first time or for the purpose of renewing their certifications. Equip today's users with the most up-to-date information to pass CompTIA's Linux+ (Powered by LPI) Certification exam successfully and excel when using Linux in the business world with Eckert's LINUX+ GUIDE TO LINUX CERTIFICATION, 4E. This complete guide provides a solid conceptual foundation and mastery of the hands-on skills necessary to work with the Linux operation system in today's network administration environment. The author does an exceptional job of maintaining a focus on quality and providing classroom usability while highlighting valuable real-world experiences. This edition's comprehensive coverage emphasizes updated information on the latest Linux distributions as well as storage technologies commonly used in server environments, such as LVM and ZFS. New, expanded material addresses key job-related networking services, including FTP, NFS, Samba, Apache, DNS, DHCP, NTP, Squid, Postfix, SSH, VNC, Postgresql, and iptables/firewall. Readers study the latest information on current and emerging security practices and technologies. Hands-On Projects help learners practice new skills using both FedoraTM 20 and Ubuntu Server 14.04 Linux, while review questions and key terms reinforce important concepts. Trust LINUX+ GUIDE TO LINUX CERTIFICATION, 4E for the mastery today's users need for success on the certification exam and throughout their careers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Best-selling guide to the inner workings of the Linux operating system with over 50,000 copies sold since its original release in 2014. Unlike some operating systems, Linux doesn't try to hide the important bits from you—it gives you full control of your computer. But to truly master Linux, you need to understand its internals, like how the system boots, how networking works, and what the kernel actually does. In this third edition of the bestselling How Linux Works, author Brian Ward peels back the layers of this well-loved operating system to make Linux internals accessible. This edition has been thoroughly updated and expanded with added coverage of Logical Volume Manager (LVM), virtualization, and containers. You'll learn: • How Linux boots, from boot loaders to init (systemd) • How the kernel manages devices, device drivers, and processes • How networking, interfaces, firewalls, and servers work • How development tools work and relate to shared libraries • How to write effective shell scripts You'll also explore the kernel and examine key system tasks inside the kernel, including system calls, input and output, and filesystems. With its combination of background, theory, real-world examples, and patient explanations, How Linux Works, 3rd edition will teach you what you need to know to solve pesky problems and take control of your operating system.

Third Edition

Exam LX0-103 and Exam LX0-104

Shipping Reliable Containers in Production

Ubuntu Linux Bible

How Linux Works, 3rd Edition

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Gain Essential Linux Administration Skills Easily Effectively set up and manage popular Linux distributions on individual servers and build entire network infrastructures using this practical resource. Fully updated to cover the latest tools and techniques, Linux Administration: A Beginner's Guide, Eighth Edition features clear explanations, step-by-step instructions, and real-world examples. Find out how to configure hardware and software, work from the command line or GUI, maintain Internet and network services, and secure your data. Performance tuning, virtualization, containers, software management, security, and backup solutions are covered in detail. Install and configure Linux, including the latest distributions from Fedora, Ubuntu, CentOS, openSUSE, Debian, and RHEL. Set up and administer core system services, daemons, users, and groups. Manage software applications from source code or binary packages. Customize, build, or patch the Linux kernel. Understand and manage the Linux network stack and networking protocols, including TCP/IP, ARP, IPv4, and IPv6. Minimize security threats and build reliable firewalls and routers with Netfilter (iptables and nftables) and Linux. Create and maintain DNS, FTP, web, e-mail, print, LDAP, VoIP, and SSH servers and services. Share resources using GlusterFS, NFS, and Samba. Spin-up and manage Linux-based servers in popular cloud environments, such as OpenStack, AWS, Azure, Linode, and GCE. Explore virtualization and container technologies using KVM, Docker, Kubernetes, and Open Container Initiative (OCI) tooling. Download specially curated Virtual Machine image and containers that replicate various exercises, software, servers, commands, and concepts covered in the book. Wale Soyinka is a father, system administrator, a DevOps/SecOps aficionado, an open source evangelist, a hacker, and a well-respected world-renowned chef (in his mind). He is the author of Advanced Linux Administration as well as other Linux, Network, and Windows administration training materials.

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.

Virtual, hands-on learning labs allow you to apply your technical skills using live hardware and software hosted in the cloud. So Sybex has bundled CompTIA Linux+ labs from Practice Labs, the IT Competency Hub, with our popular CompTIA Linux+ Study Guide, Fourth Edition.

Working in these labs gives you the same experience you need to prepare for the CompTIA Linux+ Exam XK0-004 that you would face in a real-life setting. Used in addition to the book, the labs are a proven way to prepare for the certification and for work in the IT and cybersecurity fields where Linux is fundamental to modern systems and security. This is your one-stop resource for complete coverage of Exam XK0-004, covering 100% of all exam objectives. You'll prepare for the exam smarter and faster with Sybex thanks to superior content including, assessment tests that check exam readiness, objective map, real-world scenarios, hands-on exercises, key topic exam essentials, and challenging chapter review questions. Linux is viewed by many organizations and companies as an excellent, low-cost, secure alternative to expensive OSs, such as Microsoft Windows and is crucial to today's server and cloud infrastructure. The CompTIA Linux+ exam tests a candidate's understanding and familiarity with the Linux. As the Linux server market share continues to grow, so too does demand for qualified and certified Linux administrators. Building on the popular Sybex Study Guide approach, this book will provide 100% coverage of the NEW Linux+ Exam XK0-004 objectives. The book contains clear and concise information on all Linux administration topic, and includes practical examples and insights drawn from real-world experience. Hardware and System Configuration Systems Operation and Maintenance Security Linux Troubleshooting and Diagnostics Automation and Scripting You'll also have access to an online test bank, including a bonus practice exam, electronic flashcards, and a searchable PDF of key terms. And with this edition you also get Practice Labs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to Practice Labs CompTIA Linux+ Exam Exam XK0-004 Labs with 65 unique lab modules to practice your skills.

"I have found this book to be a very useful classroom text, as well as a great Linux resource. It teaches Linux using a ground-up approach that gives students the chance to progress with their skills and grow into the Linux world. I have often pointed to this book when asked to recommend a solid Linux reference." --Eric Hartwell, Chair, School of Information Technology, ITT Technical Institute The #1 Fedora and RHEL resource—a tutorial AND on-the-job reference Master Linux administration and security using GUI-based tools, the command line, and Perl scripts Set up key Internet servers, step by step, including Samba, Apache, sendmail, DNS, LDAP, FTP, and more Master All the Techniques You Need to Succeed with Fedora(tm) and Red Hat® Enterprise Linux® In this comprehensive guide, one of the world's leading Linux experts brings together all the knowledge and real-world insights you need to master and succeed with today's versions of Fedora or Red Hat Enterprise Linux. Best-selling author Mark Sobell explains Linux clearly and effectively, focusing on skills you'll actually use as a user, programmer, or administrator. Now an even more versatile learning resource, this edition adds skill objectives at the beginning of each chapter. 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 interface, provide file/print sharing, configure network servers, secure Linux desktops and networks, work with the 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 want to do with Linux—now or in the future—you'll find it here. Compared with the other Linux books out there, A Practical Guide to Fedora(tm) and Red Hat® Enterprise Linux®, Sixth Edition, delivers Complete, up-to-the-minute coverage of Fedora 15 and RHEL 6 State-of-the-art security techniques, including up-to-date firewall setup techniques using system-config-firewall and iptables, and a full chapter on OpenSSH (ssh) Coverage of crucial topics such as using su and sudo, and working with the new systemd init daemon Comprehensive coverage of the command line and key system GUI tools More practical coverage of file sharing using Samba, NFS, and FTP Superior coverage of automating administration with Perl More usable, realistic coverage of Internet server configuration, including Apache (Web), sendmail, NFSv4, DNS/BIND, and LDAP, plus new coverage of IPv6 More and better coverage of system/network administration tasks, including network monitoring with Cacti Deeper coverage of essential administration tasks—from managing users to CUPS printing, configuring LANs to building a kernel Complete instructions on keeping Linux systems up-to-date using yum And much more, including a 500+ term glossary and comprehensive indexes Includes DVD! Get the full version of the Fedora 15 release!

Docker: Up & Running

Linux Administration: A Beginner's Guide, Eighth Edition

What Every Superuser Should Know

A Practical Guide to Fedora and Red Hat Enterprise Linux

Linux Administration: A Beginner's Guide, Seventh Edition

Over 150 recipes to help you administer your PostgreSQL database more efficiently About This Book Get to grips with the capabilities of PostgreSQL 9.6 to administer your database more efficiently Monitor, tune, secure and protect your database A step-by-step, recipe-based guide to help you tackle any problem in PostgreSQL administration with ease Who This Book Is For This book is for system administrators, database administrators, data architects, developers, and anyone with an interest in planning for, or running, live production databases. This book is most suited to those who have some technical experience. What You Will Learn Implement PostgreSQL features for performance and reliability Harness the power of the latest PostgreSQL 9.6 features Manage open source PostgreSQL versions 9.5 and 9.6 on various platforms Discover advanced technical tips for experienced users Explore best practices for planning and designing live databases Gain insights and tips from two of the industry's most highly respected instructors, consultants, and authors Access Sybex interactive tools that include electronic flashcards, an online test bank, customizable practice exams, bonus chapter review questions, and a searchable PDF glossary of key terms LPIC-1: Linux Professional Institute Certification Study Guide is ideal for network and system administrators studying for the LPIC-1 exams, either for the first time or for the purpose of renewing their certifications. Equip today's users with the most up-to-date information to pass CompTIA's Linux+ (Powered by LPI) Certification exam successfully and excel when using Linux in the business world with Eckert's LINUX+ GUIDE TO LINUX CERTIFICATION, 4E. This complete guide provides a solid conceptual foundation and mastery of the hands-on skills necessary to work with the Linux operation system in today's network administration environment. The author does an exceptional job of maintaining a focus on quality and providing classroom usability while highlighting valuable real-world experiences. This edition's comprehensive coverage emphasizes updated information on the latest Linux distributions as well as storage technologies commonly used in server environments, such as LVM and ZFS. New, expanded material addresses key job-related networking services, including FTP, NFS, Samba, Apache, DNS, DHCP, NTP, Squid, Postfix, SSH, VNC, Postgresql, and iptables/firewall. Readers study the latest information on current and emerging security practices and technologies. Hands-On Projects help learners practice new skills using both FedoraTM 20 and Ubuntu Server 14.04 Linux, while review questions and key terms reinforce important concepts. Trust LINUX+ GUIDE TO LINUX CERTIFICATION, 4E for the mastery today's users need for success on the certification exam and throughout their careers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The bestselling study guide for the popular Linux Professional Institute Certification Level 1 (LPIC-1). The updated fifth edition of LPIC-1: Linux Professional Institute Certification Study Guide is a comprehensive, one-volume resource that covers 100% of all exam objectives. Building on the proven Sybex Study Guide approach, this essential resource offers a comprehensive suite of study and learning tools such as assessment tests, hands-on exercises, chapter review questions, and practical, real-world examples. This book, completely updated to reflect the latest 101-500 and 102-500 exams, contains clear, concise, and user-friendly information on all of the Linux administration topics you will encounter on test day. Key exam topics include system architecture, Linux installation and package management, GNU and UNIX commands, user interfaces and desktops, essential system services, network and server security, and many more. Linux Servers currently have a 20% market share which continues to grow. The Linux OS market saw a 75% increase from last year and is the third leading OS, behind Windows and MacOS. There has never been a better time to expand your skills, broaden your knowledge, and earn certification from the Linux Professional Institute. A must-have guide for anyone preparing for the 101-500 and 102-500 exams, this study guide enables you to: Assess your performance on practice exams to determine what areas need extra study Understand and retain vital exam topics such as administrative tasks, network configuration, booting Linux, working with filesystems, writing scripts, and using databases Gain insights and tips from two of the industry's most highly respected instructors, consultants, and authors Access Sybex interactive tools that include electronic flashcards, an online test bank, customizable practice exams, bonus chapter review questions, and a searchable PDF glossary of key terms LPIC-1: Linux Professional Institute Certification Study Guide is ideal for network and system administrators studying for the LPIC-1 exams, either for the first time or for the purpose of renewing their certifications. Equip today's users with the most up-to-date information to pass CompTIA's Linux+ (Powered by LPI) Certification exam successfully and excel when using Linux in the business world with Eckert's LINUX+ GUIDE TO LINUX CERTIFICATION, 4E. This complete guide provides a solid conceptual foundation and mastery of the hands-on skills necessary to work with the Linux operation system in today's network administration environment. The author does an exceptional job of maintaining a focus on quality and providing classroom usability while highlighting valuable real-world experiences. This edition's comprehensive coverage emphasizes updated information on the latest Linux distributions as well as storage technologies commonly used in server environments, such as LVM and ZFS. New, expanded material addresses key job-related networking services, including FTP, NFS, Samba, Apache, DNS, DHCP, NTP, Squid, Postfix, SSH, VNC, Postgresql, and iptables/firewall. Readers study the latest information on current and emerging security practices and technologies. Hands-On Projects help learners practice new skills using both FedoraTM 20 and Ubuntu Server 14.04 Linux, while review questions and key terms reinforce important concepts. Trust LINUX+ GUIDE TO LINUX CERTIFICATION, 4E for the mastery today's users need for success on the certification exam and throughout their careers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Best-selling guide to the inner workings of the Linux operating system with over 50,000 copies sold since its original release in 2014. Unlike some operating systems, Linux doesn't try to hide the important bits from you—it gives you full control of your computer. But to truly master Linux, you need to understand its internals, like how the system boots, how networking works, and what the kernel actually does. In this third edition of the bestselling How Linux Works, author Brian Ward peels back the layers of this well-loved operating system to make Linux internals accessible. This edition has been thoroughly updated and expanded with added coverage of Logical Volume Manager (LVM), virtualization, and containers. You'll learn: • How Linux boots, from boot loaders to init (systemd) • How the kernel manages devices, device drivers, and processes • How networking, interfaces, firewalls, and servers work • How development tools work and relate to shared libraries • How to write effective shell scripts You'll also explore the kernel and examine key system tasks inside the kernel, including system calls, input and output, and filesystems. With its combination of background, theory, real-world examples, and patient explanations, How Linux Works, 3rd edition will teach you what you need to know to solve pesky problems and take control of your operating system.

This book is your complete guide to studying for the Linux Professional Institute's Server Professional (LPIC-1) certification. Every concept, principle, process, and resource that might make an appearance on the exam is fully presented. You will understand every concept by rolling up your sleeves, opening up a terminal, and trying it all yourself. You will find suggestions for practical tasks along with "test-yourself" quizzes at the end of each chapter. Whether you've decided to earn the Linux Professional Institute's Server Professional certification or you simply want to learn more about Linux administration, this book is a great choice. Right now, Linux administration skills are opening doors to some of the hottest job markets. And with the ongoing explosive growth of the cloud computing world - the vast majority of which is being built with Linux - the scope of the opportunities will only increase. Whether or not you end up taking the exam, if you are looking to learn this material, you'll have done yourself a real favor. What You Will Learn Basic Linux system administration and package management Device and desktop management Bash scripting Networking fundamentals Security administration Who This Book Is For Most potential readers will already have a decent idea of what Linux is and what kinds of things can be done with it, and are seeking to acquire or formalize a more structured and complete ability to confidently administer Linux systems.

MariaDB/MySQL, plus a new tutorial on using GnuPG to encrypt communications Information on state-of-the-art security: SELinux, ACLs, firewalld (firewall-config and firewall-cmd), iptables (system-config-firewall), GnuPG, and OpenSSH New chapter on VMs (virtual machines) and cloud computing, including VMware, QEMU/KVM, virt-manager, virsh, GNOME Boxes, and AWS (Amazon Web Services) Expanded command-line coverage, including a new chapter that details 32 important utilities Practical information on Internet server configuration, including Apache, sendmail, NFSv4, DNS/BIND, the new LDAP Dynamic Server, and IPv6 Complete "meat-and-potatoes" information on system/network administration, now including GRUB 2, the XFS filesystem, the new Anaconda Installer, the systemd init daemon, firewalld, and NetworkManager Detailed instructions on keeping Linux systems up to date, finding software packages, and working with repositories using yum and rpm Full coverage of the LPi Linux Essentials exam objectives plus extensive coverage of the CompTIA Linux+ exam objectives; Appendix E provides a map from objectives to pages in the book New coverage of find, sort, xz (compression), free, xargs, and the nano editor And much more, including a 500+ term glossary and comprehensive indexes

The bestselling study guide completely updated for the NEW CompTIA Linux+ Exam XK0-004 This is your one-stop resource for complete coverage of Exam XK0-004, covering 100% of all exam objectives. You'll prepare for the exam smarter and faster with Sybex thanks to superior content including, assessment tests that check exam readiness, objective map, real-world scenarios, hands-on exercises, key topic exam essentials, and challenging chapter review questions. Linux is a UNIX-based operating system originally created by Linus Torvalds with the help of developers around the world. Developed under the GNU General Public License, the source code is free. Because of this Linux is viewed by many organizations and companies as an excellent, low-cost, secure alternative to expensive OSs, such as Microsoft Windows. The CompTIA Linux+ exam tests a candidate's understanding and familiarity with the Linux Kernel. As the Linux server market share continues to grow, so too does demand for qualified and certified Linux administrators. Building on the popular Sybex Study Guide approach, this book will provide 100% coverage of the NEW Linux+ Exam XK0-004 objectives. The book contains clear and concise information on all Linux administration topic, and includes practical examples and insights drawn from real-world experience. Hardware and System Configuration Systems Operation and Maintenance Security Linux Troubleshooting and Diagnostics Automation and Scripting You'll also have access to an online test bank, including a bonus practice exam, electronic flashcards, and a searchable PDF of key terms.

A Pract Gui Fed Red Hat E_p7
Practical LPIC-1 Linux Certification Study Guide
Fedora Linux Servers with Systemd
Beginning Samsung ARTIK
Fedora 31 Essentials

This book examines Red Hat Enterprise Linux 8 for the desktop user and administrator (including RHEL 8.1). Though administrative tools are covered, the emphasis is on what a user would need to know to perform tasks. The focus here is on what users face when using Red Hat Enterprise Linux 8, covering topics like applications, the GNOME desktop, shell commands, and the administration and network tools. The GNOME desktop is examined in detail, including configuration options. Administration topics are also covered including user management, software management, repositories, services, systemd, system monitoring, shell configuration, encryption, network connections, shared resources, authentication, SELinux, firewalls, shell configuration, backups, and printers. The book is organized into two parts: desktops and administration.

The best reference for Ubuntu Linux Ubuntu Linux is a popular, powerful, and versatile operating system. Now you can get the most out of everything Ubuntu Linux has to offer with the Ubuntu Linux Bible. This complete and comprehensive guide introduces you to Ubuntu and shows you how to use it to its fullest, whether you're a typical desktop user or a system administrator. You'll learn to do everything from reading email to configuring wireless networks. You'll reap huge rewards from this book, regardless of how much prior experience you have with Ubuntu. Get started with Ubuntu Linux and see what's in the newest version (20.04) Learn how to read emails, surf the web, and create and publish documents Take on system administration tasks, like creating and managing users and adding new disks to the system Discover how to use Ubuntu Linux in an enterprise or personal environment Figure out how to set up Ubuntu Linux servers for the web, email, shared printing, and more Find out why Ubuntu Linux is the most popular Linux operating system in the world

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.

The best-selling, hands-on roadmap to acing the new Linux+ exam In the newly updated Fifth Edition of CompTIA Linux+ Study Guide: Exam XK0-005, IT industry veterans and tech education gurus Richard Blum and Christine Bresnahan deliver a concise and practical blueprint to success on the CompTIA Linux+ exam and in your first role as a Linux network or system administrator. In the book, you'll find concrete strategies and proven techniques to master Linux system management, security, scripting, containers, automation, and troubleshooting. Every competency tested on the Linux+ exam is discussed here. You'll also get: Hands-on Linux advice that ensures you're job-ready on the first day of your new network or sysadmin role Test-taking tips and tactics that decrease exam anxiety and get you ready for the challenging Linux+ exam Complimentary access to the Sybex learning environment, complete with online test bank, bonus practice exams, electronic flashcards, and a searchable glossary Perfect for practicing network and system admins seeking an in-demand and valuable credential for working with Linux servers and computers, CompTIA Linux+ Study Guide: Exam XK0-005, Fifth Edition, will also earn a place in the libraries of people looking to change careers and start down an exciting new path in tech.

Linux Administration Cookbook
Linux Cookbook
Exam XK0-004
PostgreSQL 14 Administration Cookbook
Linux Bible

Updated to cover Docker version 1.10 Docker is quickly changing the way that organizations are deploying software at scale. But understanding how Linux containers fit into your workflow—and getting the integration details right—are not trivial tasks. With this practical guide, you'll learn how to use Docker to package your applications with all of their dependencies then test, ship, scale, and support your containers in production. Two Lead Site Reliability Engineers at New Relic share much of what they have learned from using Docker in production since shortly after its initial release. Their goal is to help you reap the benefits of this technology while avoiding the many setbacks they experienced. Learn how Docker simplifies dependency management and deployment workflow for your applications Start working with Docker images, containers, and command line tools Use practical techniques to deploy and test Docker-based Linux containers in production Debug containers by understanding their composition and internal processes Deploy production containers at scale inside your data center or cloud environment Explore advanced Docker topics, including deployment tools, networking, orchestration, security, and configuration

A step-by-step guide to Fedora and Red Hat Enterprise Linux covers such topics as the shell, networking, system administration, setting up servers, and programming tools.

This book is designed as a networking and server reference for Fedora 18 Linux. Administration tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key networking and server tasks. Topics covered include network connections, systemd service manager, IP network administration, firewalls, systemd service management, runlevels, and the Network Time Protocol Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba (Windows shares). Network support servers and applications covered include the Squid proxy server, the Domain Name System (BIND) server, and DHCP

This handy cookbook teaches new-to-intermediate Linux users the essential skills necessary to manage a Linux system, using both graphical and command-line tools. Whether you run Linux in embedded, desktop, server, or cloud or virtual environments, the fundamental skills are the same. This book aims to get you up and running quickly, with copy-paste examples. Carla Schroder provides recipes that cover specific problems, with discussions that explain how each recipe works, as well as references for additional study. You'll learn how to: Use systemd, the new comprehensive service manager Build simple or complex firewalls with firewalld Set up secure network connections for Linux systems and mobile devices Rescue nonbooting systems Reset lost passwords on Linux and Windows Use dnsmasq to simplify managing your LAN name services Manage users and groups and control access to files Probe your computer hardware and monitor hardware health Manage the GRUB bootloader and multiboot Linux and Windows Keep accurate time across your network with the newest tools

Build an internet router/firewall on Raspberry Pi Manage filesystems and partitioning
Over 165 effective recipes for database management and maintenance in PostgreSQL 10
LPIC-1 Linux Professional Institute Certification Study Guide
Pro Linux System Administration
A Guide for Developers

CompTIA Linux+ Powered by Linux Professional Institute Study Guide
A practical guide to administer, monitor and replicate your PostgreSQL 11 database Key FeaturesStudy and apply the newly introduced features in PostgreSQL 11Tackle any problem in PostgreSQL 11 administration and managementCatch up on expert techniques for monitoring, fine-tuning, and securing your databaseBook Description PostgreSQL is a powerful, open source database management system with an enviable reputation for high performance and stability. With many new features in its arsenal, PostgreSQL 11 allows you to scale up your PostgreSQL infrastructure. This book takes a step-by-step, recipe-based approach to effective PostgreSQL administration. The book will introduce you to new features such as logical replication, native table partitioning, additional query parallelism, and much more to help you to understand and control, crash recovery and plan backups. You will learn how to tackle a variety of problems and pain points for any database administrator such as creating tables, managing views, improving performance, and securing your database. As you make steady progress, the book will draw attention to important topics such as monitoring roles, backup, and recovery of your PostgreSQL 11 database to help you understand roles and produce a summary of log files, ensuring high availability, concurrency, and replication. By the end of this book, you will have the necessary knowledge to manage your PostgreSQL 11 database efficiently. What you will learnTroubleshoot open source PostgreSQL version 11 on various platformsDeploy best practices for planning and designing live databasesSelect and implement robust backup and recovery techniques in PostgreSQL 11Use pgAdmin or OmniDB to perform database administrator (DBA) tasksAdopt efficient replication and high availability techniques in PostgreSQLImprove the performance of your PostgreSQL solutionWho this book is for This book is designed for database administrators, data architects, database developers, or anyone with an interest in planning and running live production databases using PostgreSQL 11. It is also ideal if you're looking for hands-on solutions to any problem associated with PostgreSQL 11 administration. Some experience with handling PostgreSQL databases will be beneficial

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.

PostgreSQL 11 Administration Cookbook
Red Hat Enterprise Linux 8: Desktops and Administration
A Practical Guide to Fedora and Red Hat® Enterprise Linux®8, Seventh Edition
Pro Python System Administration