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Linux Network Servers Craig Hunt 2006-10-11 Authoritative Answers to All Your Linux Network Server Questions--Specifically for Linux Administrators Tap into Linux's impressive capabilities as a network server. Written by one of the world's leading Linux system administration experts, Linux Network Servers teaches you, step-by-step, all the standard and advanced techniques you need to know to configure and administer a full range of network services, from file and printer sharing to email and the Web. Hundreds of clear, consistent examples illustrate these techniques in detail--so you stay on track and accomplish all your goals. Coverage includes the following: Installing Linux Understanding the boot process Working with the network interface Setting up login services Using Linux name services Configuring a mail server Setting up Apache Web server Configuring network gateway services Configuring desktop configuration server Setting up file sharing Setting up printer services Securing your server Troubleshooting 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, System Administration, 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.

UNIX and Linux System Administration Handbook Evi Nemeth 2011 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.

Installation and Configuration of IBM Watson Analytics and StoredIQ Alan Bluck 2021-04-30 Guidance for successful installation of a wide range of IBM software products KEY FEATURES ● Complete installation guide of IBM software systems, Redhat Enterprise, IBM Cloud, and Docker. ● Expert-led demonstration on complete configuration and implementation of IBM software solutions. ● Includes best practices and efficient techniques adopted by banks, financial services, and insurance companies. DESCRIPTION This book provides instructions for installation, configuration and troubleshooting sections to improve the IT support productivity and fast resolution of issues that arise. It covers readers' references that are available online and also step-by-step procedures required for a successful installation of a broad range of IBM Data Analytics products. This book provides a holistic in-depth knowledge for students, software architects, installation specialists, and developers of Data Analysis software and a handbook for data analysts who want a single source of information on IBM Data Analysis Software products. This book provides a single resource that covers the latest available IBM Data Analysis software on the most recent RedHat Linux and IBM Cloud platforms. This book includes comprehensive technical guidance, enabling IT professionals to gain an in-depth knowledge of the installation of a broad range of IBM Software products across different operating systems. WHAT YOU WILL LEARN ● Step-by-step installation and configuration of IBM Watson Analytics. ● Managing RedHat Enterprise Systems and IBM Cloud Platforms. ● Installing, configuring, and managing IBM StoredIQ. ● Best practices to administer and maintain IBM software packages. ● Upgrading VMware stations and installing Docker. WHO THIS BOOK IS FOR This book is a go-to guide for IT professionals who are primarily Solution Architects, Implementation Experts, or Technology Consultants of IBM Software suites. This will also be a useful guide for IT managers who are looking to adopt and enable their enterprise with IBM products. TABLE OF CONTENTS 1. Getting Started with IBM Resources for Analytics 2. IBM Component Software Compatibility Matrix 3. IBM Download Procedures 4. On-Premise Server Configurations and Prerequisites 5. IBM Fix Packs 6. IBM Cloud PAK Systems 7. RedHat OpenShift 4.x Installations 8. IBM Cloud Private System 9. Base VMWare System Platform 10. IBM Cloud Private Cluster on CentOS 8.0 11. UIMA Pipeline and Java Code Extensions 12. IBM Watson Explorer Foundational Components V12 13. IBM Watson Explorer oneWEX 12.0.3 14. IBM StoredIQ for Legal APPENDIX References and End of Life Support

Linux Server Hacks, Volume Two William von Hagen 2005-12-22 Today's system administrators deal with a vast number of situations, operating systems, software packages, and problems. Those who are in the know have kept their copy of Linux Server Hacks close at hand to ease their burden. And while this helps, it's not enough: any sys admin knows there are many more hacks, cool tips, and ways of solving problems than can fit in a single volume (one that mere mortals can lift, that is). Which is why we created Linux Server Hacks, Volume Two, a second collection of incredibly useful tips and tricks for finding and using dozens of open source tools you can apply to solve your sys admin problems. The power and flexibility of Linux and Open Source means that there is an astounding amount of great software out there waiting to be applied to your sys admin problems -- if only you knew about it and had enough information to get started. Hence, Linux Server Hacks, Volume Two. This handy reference offers 100 completely new server management tips and techniques designed to improve your productivity and sharpen your administrative skills. Each hack represents a clever way to accomplish a specific task, saving you countless hours of searching for the right answer. No more sifting through man pages, HOWTO websites, or source code comments -- the only resource you need is right here. And you don't have to be a system administrator with hundreds of boxes to get something useful from this book as many of the hacks apply equally well to a single system or a home network. Compiled by experts, these hacks not only give you the step-by-step instructions necessary to implement the software, but they also provide the context to truly enable you to learn the technology. Topics include: Authentication Remote GUI connectivity Storage management File sharing and synchronizing resources Security/lockdown instruction Log files and monitoring Troubleshooting System rescue, recovery, and repair Whether they help you recover lost data, collect information from distributed clients, or synchronize administrative environments, the solutions found in Linux Server Hacks, Volume Two will simplify your life as a system administrator.

MasteringTM Red Hat® Enterprise Linux® 3 Michael Jang 2006-02-20 Your Complete Guide to the World's Leading Linux Enterprise Distribution Red Hat Enterprise Linux 3 is emerging as the corporate Linux standard. One of the first books to focus on this robust product, Mastering Red Hat Enterprise Linux 3 gives you the practical information you need to install, configure, and network Linux on a large number of computers. For experienced administrators, this book uniquely features detailed coverage of Apache, TUX, Samba, NFS, vsFTP, Squid, SSH, DNS, DHCP, iptables, CUPS, sendmail, Postfix, NIS, LDAP, MySQL, system administration command line and GUI tools and utilities for each phase of the management process. It also helps you configure the GUI for enterprise workstations. Topics include: Installing Linux on a standalone system, over a network, and automatically on multiple computers Navigating the command line interface Administering users and groups securely Managing packages with the RPM GUI tool Configuring and troubleshooting the boot process Upgrading and recompiling kernels Backing up your system with RAID Understanding basic TCP/IP networking Managing Linux on your LAN Securing Linux firewalls Ensuring secure remote access Installing, configuring, and testing DNS, DHCP, CUPS, sendmail and Postfix mail servers Configuring and troubleshooting FTP, NFS, Samba, Apache, TUX, and Squid Effectively using Linux authentication services--NIS and LDAP Using Red Hat GUI administrative tools appropriately Setting up MySQL for databases Managing X servers and X clients Working with GNOME and KDE **Maximum PC** 2002 Maximum PC is the magazine that every computer fanatic, PC gamer or content creator must read. Each and every issue is packed with punishing product reviews, insightful and innovative how-to stories and the illuminating technical articles that enthusiasts crave.

Mastering Red Hat Linux 9 Michael Jang 2006-09-30 Your Complete Guide to the World's Leading Linux Distribution Whether you depend on Linux as a server or desktop OS, Mastering Red Hat Linux 9 gives you the practical information you need to install, configure, and administer the latest version of Red Hat's operating system to suit your specific computing needs. Clear, step-by-step instruction teaches you basic, intermediate, and advanced techniques, and the Publisher's Edition of Red Hat Linux 9--included on two CDs--lets you get started right away. Coverage includes: Installing Linux from multiple sources Automating Linux installation over a network Navigating the command line interface Administering users and groups Managing RPM packages Troubleshooting the boot process Recompiling a kernel Configuring the X Window Working with GNOME and KDE Using Red Hat GUI administrative tools Understanding basic TCP/IP networking Securing Linux firewalls Setting up secure remote access Installing and testing DNS, DHCP, CUPS, and sendmail Configuring and troubleshooting FTP, NFS, Samba, and Apache Online Bonus Chapters: Linux Certification requirements (not yet available) Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Expert Linux Administration Guide Vishal Rai 2022-06-08 Linux administration based on hosted virtualization KEY FEATURES ● Designed for absolute beginners and early Linux users with the most up-to-date knowledge. ● Contains troubleshooting tips and best practices for running a Linux system on your own. ● Supplemental knowledge and insights in server security, threat management, and virtualization. DESCRIPTION 'Expert Linux Administration Guide' is for the readers who are interested in developing the skills and abilities essential to operate as a professional Linux system administrator. This is the only book that explains everything about Linux practically through examples, simplified visuals, solution tips, and expert-led best practices. This book begins with an introduction to Linux fundamentals and swiftly progresses to the day-to-day tasks of a Linux administrator. You practically learn how to plan your network by installing Linux and gaining a firm grasp of its file system and system configuration. This book covers all the Linux server settings, including DNS, mail servers, Squid proxy servers, and backup recovery. In addition, the book contains troubleshooting hints and ready-to-use solutions for server configuration, load balancing, firewall configuration, network security concerns, and virtualization. The book does not end here, as it discusses some of the advanced administrator's responsibilities. Topics such as monitoring system performance, process controls, user provisioning, file and database recovery and backup, and software package upgrades are also covered. By the end of this book, you'll be able to practise and implement the latest system administration techniques in a Linux environment considerably more effectively. WHAT YOU WILL LEARN ● Learn to install and configure Linux servers quickly. ● Manage configurations, license software, and patch security flaws. ● Obtain the highest level of support for RAID configurations. ● Learn how to set up database servers, backups, and system recovery. ● Expert advice on firewalls, web servers, disc utilization, and network resources. WHO THIS BOOK IS FOR This book is intended for System Managers, System Administrators, Network Administrators, Server Administrators, System Engineers, and others interested in becoming professional Linux Administrators. No prerequisite knowledge is required, as the book covers everything clearly and precisely. TABLE OF CONTENTS 1. Linux Fundamental 2. Files, Directories & User Management 3. File Compression and Archival 4. Performing Search 5. Vi Editor 6. Linux Installation 7. System Initialization 8. Overview of Network commands 9. Firewall Setup 10A. Partition System in CentOS/7/8 10B. LVM and iSCSI CentOS/7/8 11. YUM Server 12. Telnet 13. Domain Name System 14. Dynamic Host Control Protocol 15. Unified Threat Management (UTM) 16. Squid Web Proxy 17. Apache Web Server 18. Linux as a Router 19. NIS Server 20. NFS Server 21. File Transfer Protocol 22. Samba Configuration 23. Mail Server Configuration 24. Linux Hardening 25. Load Balancer 26. Setup Network Printer Services 27. System Backup and Restore Process 28. Linux Virtualization KVM 29. Introduction to Open-Source tools 30. Troubleshooting Network Issues

DNS For Dummies Blair Rampling 2003-02-07 Install, configure, and troubleshoot DNS with this straightforward guide! This is a unique, entry-level guide to Domain Name System (DNS), which translates Internet host names into IP addresses and is used with all Internet servers. DNS For Dummies will: Show you how to install, configure, and troubleshoot DNS on both Windows and UNIX servers Help you seek technology certifications Become comfortable with DNS theory, terminology, and architecture - a requirement in several popular exams! DNS For Dummies includes real-world examples based on the author's daily experience with both large and small networks.

Practical LPIC-3 300 Antonio Vazquez 2019-06-13 Gain the essential skills and hands-on expertise required to pass the LPIC-3 300 certification exam. This book provides the insight for you to confidently install, manage and troubleshoot OpenLDAP, Samba, and FreeIPA. Helping you to get started from scratch, this guide is divided into three comprehensive sections covering everything you'll need to prepare for the exam. Part 1 focuses on OpenLDAP and topics including securing the directory, integration with PAM and replication. Part 2 covers Samba and teaches you about Samba architecture, using different back ends, print services, and deploying Samba as a stand-alone server, PDC, and Active Directory Domain Controller. Finally, Part 3 explains how to manage FreeIPA and how to integrate it with Active Directory. Practical LPIC-3 300 is the perfect study guide for anyone interested in the LPIC-3 300 certification exam, OpenLDAP, Samba, or FreeIPA. What You'll Learn Integrate LDAP with PAM and NSS, and with Active Directory and Kerberos Manage OpenLDAP replication and server performance tuning Use Samba as a PDC and BDC Configure Samba as a domain member server in an existing NT domain Use Samba as an AD Compatible Domain Controller Replicate, manage, and integrate FreeIPA Who This Book Is For This book is for anyone who is preparing for the LPIC-3 300 exam, or those interested in learning about OpenLDAP and Samba in general.

SUSE Linux 10 Unleashed Michael McCallister 2006 Provides information on the installation, use, and administration of Suse Linux 10.

Red Hat Fedora Linux 3 For Dummies Jon Hall 2005-02-17 Fedora Core "X" is the latest release of the leading Linux distribution, which boasts approximately 70 percent of the Linux market in the United States and serves as a low-cost alternative to more expensive operating systems Written in the trademark friendly, humorous, easy-to-understand For Dummies style, this updated edition shows Linux newbies how to install and use Fedora Core Includes new coverage of the SELinux infrastructure (an important new security feature), Linux and GNOME applications, how to fine-tune the GNOME desktop, and the new GStreamer multimedia tool Companion DVD includes the full Fedora Core "X" distribution-all the tools and source code on the multi-CD version

Fedora 11 and Red Hat Enterprise Linux Bible Christopher Negus 2009-08-27 The leading Fedora book-over a quarter of a million copies sold of previous editions! What better way to learn Fedora 11 than with the leading Fedora book from the best-selling Linux author, Christopher Negus with Eric Foster Johnson? Whether you're new to Linux or an advanced user, this power-packed guide is loaded with what you need. Install, run, and manage the latest version of Fedora and Red Hat Enterprise Linux-then polish your system administration skills and get up to speed on the very latest in networking, desktop, and server enhancements. Master the Linux shell, file system, and text editor; how to set up users and automate system tasks; and much more in over a thousand pages of step-by-step instruction. Boot the full DVD of Fedora 11, including almost all binary code packages, or do a Live Install of the CD for rescuing, troubleshooting, or installing Fedora. Fedora is a free, open source Linux operating system sponsored by Red Hat as an open source community project; the technological innovations from

the Fedora Project are then implemented in Red Hat's commercial offering, Red Hat Enterprise Linux Covers step-by-step instructions for making Linux installation simple and painless; how to take advantage of the desktop interface (including coverage of AIGLX); and how to use the Linux shell, file system, and text editor Also covers setting up users; automating system tasks; backing up and restoring files; dealing with the latest security issues and threats; using and customizing the desktop menus, icons, window manager, and xterm; and how to create and publish formatted documents with Linux applications The DVD and CD that come with the book include Fedora Linux 11 and an official Fedora 11 LiveCD (bootable and installable) This is the book you need to succeed with Fedora 11 and Red Hat Enterprise Linux. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Red Hat Enterprise Linux Server Cookbook William Leemans 2015-12-23 Over 60 recipes to help you build, configure, and orchestrate RHEL 7 Server to make your everyday administration experience seamless About This Book Create fully unattended installations and deploy configurations without breaking a sweat Discover and kickstart the newest RHEL 7 configuration and management tools through an easy-to-follow, practical approach for a lazy system management Be guided by an experienced RHEL expert who is a certified Linux engineer with a passion for open source and open standards Who This Book Is For Red Hat Enterprise Linux Server Cookbook is for RHEL 7 system administrators and DevOps in need of a practical reference guide to troubleshoot common issues and quickly perform tasks. What You Will Learn Set up and configure RHEL 7 Server Use NetworkManager to configure all aspects of your network Manage virtual environments using libvirt Set up software repositories Secure and monitor your RHEL environment Configure SELinux, and create and apply its policies Create kickstart scripts to automatically deploy RHEL 7 systems Use Orchestration and configuration management tools to manage your environment In Detail Dominating the server market, the Red Hat Enterprise Linux operating system gives you the support you need to modernize your infrastructure and boost your organization's efficiency. Combining both stability and flexibility, RHEL helps you meet the challenges of today and adapt to the demands of tomorrow. This practical Cookbook guide will help you get to grips with RHEL 7 Server and automating its installation. Designed to provide targeted assistance through hands-on recipe guidance, it will introduce you to everything you need to know about KVM guests and deploying multiple standardized RHEL systems effortlessly. Get practical reference advice that will make complex networks setups look like child's play, and dive into in-depth coverage of configuring a RHEL system. Also including full recipe coverage of how to set up, configuring, and troubleshoot SELinux, you'll also discover how secure your operating system, as well as how to monitor it. Style and approach This practical guide is packed full of hands-on recipes that provide quick solutions to the problems faced when building your RHEL 7 system from scratch using orchestration tools. Each topic is explained sequentially in the process of setting up a system and binding everything together.

Linux Network Administrator's Guide Tony Bautts 2005-02-03 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.

Dns Howto Jamie Norrish 2019-11-09 Summary This classic Howto was written in 2001, but it is still a must-read howto for any Linux networking/DNS professionals today. This book will teach you how to become a totally small time DNS admin. Table of Contents Preamble Introduction A resolving, caching name server Forwarding A simple domain Basic security options A real domain example Maintenance Migrating to BIND 9 Questions and Answers How to become a bigger time DNS admin

Linux for Windows? Administrators Mark Minasi 2002-12-10 Practical Linux Instruction, From the Expert Who Taught You Windows There was a time when people asked, "Windows or Linux?" Now it's a question of how to make the most of both. Linux for Windows Administrators is an essential resource for anyone working in the real world of enterprise computing. Inside, renowned Windows expert Mark Minasi and Linux guru Dan York give you practical, in-depth Linux instruction that dovetails perfectly with what you already know about Windows. It's the best way for you to give your organization the best of both worlds. Coverage includes: * Understanding Linux's strengths and weaknesses * Understanding Linux's differences from, and similarities to, Windows * Installing and configuring Linux * Administering Linux from the command line * Setting up Linux on minimal hardware--even a Pentium 100 * Understanding how open source works * Using Samba to make a Linux box emulate an NT/2000 file server * Using NIS and NFS to create the Linux equivalent of an NT/2000 domain * Using Winbind to make Linux recognize Windows user accounts * Tapping the speed and reliability of sendmail * Configuring Linux GUIs: X Window, window managers, and desktop environments * Modifying and recompiling the Linux kernel

Pro Oracle Database 11g RAC on Linux Julian Dyke 2011-01-11 Pro Oracle Database 11g RAC on Linux provides full-life-cycle guidance on implementing Oracle Real Application Clusters in a Linux environment. Real Application Clusters, commonly abbreviated as RAC, is Oracle's industry-leading architecture for scalable and fault-tolerant databases. RAC allows you to scale up and down by simply adding and subtracting inexpensive Linux servers. Redundancy provided by those multiple, inexpensive servers is the basis for the failover and other fault-tolerance features that RAC provides. Written by authors well-known for their talent with RAC, Pro Oracle Database 11g RAC on Linux gives you a rock-solid and technically flawless foundation on which to build your RAC-management skills. Authors Julian Dyke and Steve Shaw share their hard-won experience in building RAC clusters, showing you how to build for success using the very latest Oracle technologies, such as Automatic Storage Management (ASM) and Oracle Clusterware. You'll learn to troubleshoot performance and other problems. You'll even learn how to correctly deploy RAC in a virtual-machine environment based upon Oracle VM, which is the only virtualization solution supported by Oracle Corporation. RAC is a complex and powerful technology. It demands expertise in its deployment. You can't just "wing it" in creating a RAC solution. Julian and Steve have earned the right to term themselves expert--in Pro Oracle Database 11g RAC on Linux, they offer a rigorous and technically-correct treatment of RAC that helps you build a solid foundation of expertise and achieve success. Rigorous and technically accurate content Complete coverage of RAC, from planning to implementation to rollout to ongoing maintenance and troubleshooting Up-to-date with the very latest RAC features

Pro Linux System Administration James Turnbull 2009-09-01 We can all be Linux experts, provided we invest the time in learning the craft of Linux administration. 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. Authors, and systems infrastructure experts James Turnbull, Peter Lieverdink, and Dennis Matotek take a layered, component-based approach to open source business systems, while training system administrators as the builders of business infrastructure. If you want to implement a SOHO or SMB Linux infrastructure, Pro Linux System Administration clearly demonstrates everything you need. You'll find this book also provides a solid framework to move forward and expand your business and associated IT capabilities, and you'll benefit from the expertise and experienced guidance of the authors. Pro Linux System Administration covers An introduction to using Linux and free and open source software to cheaply and efficiently manage your business A layered model that allows your infrastructure to grow with your business Easy and simple-to-understand instructions including configurations, examples, and extensive real-world hints and tips

Linux Administration Handbook Evi Nemeth 2006-10-30 "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.

The Definitive Guide to SUSE Linux Enterprise Server 12 Sander van Vugt 2014-11-14 The Definitive Guide to SUSE Linux Enterprise Server 12 is a task-oriented book designed for self-study as well as classroom environments, which will also serve you as a reference guide. The book covers all skills that system administrators typically need to possess to administer SUSE Linux Enterprise Server in corporate environments. It starts at the beginning, which makes The Definitive Guide to SUSE Linux Enterprise Server 12 suitable for people without any preliminary Linux knowledge, and yet works up to advanced SUSE Linux administration tasks, such as building a cluster, optimizing performance or managing SUSE Linux Enterprise Server with SUSE Manager. The Definitive Guide to SUSE Linux Enterprise Server 12 is an ideal reference guide for system administrators, but is also perfect as a study book to prepare for the CLA, CLP as well as the CLE exams. This book contains step-by-step exercises, and scenario based exercises at the end of each chapter to help readers getting familiar with the subjects that are required to pass these three exams. The Definitive Guide to SUSE Linux Enterprise Server 12 also contains test exams, so you can use it as a study guide in a formal learning environment or as a book that you can learn and test your own progress as you master SUSE Linux Enterprise Server. You'll learn everything you need to know and the skills you need to manage SUSE Linux Enterprise Servers, from installing a secure server, to performing the day-to-day management tasks on SUSE Linux Enterprise Server. Along the way you'll encounter and master SUSE Linux Enterprise Server in a data center environment, how to manage your SUSE Enterprise Server for High Availability, and you'll see how to manage your SUSE Linux Enterprise Server with SUSE Manager. From installation to expert management, The Definitive Guide to SUSE Linux Enterprise Server 12 will show you the ways to succeed with Linux Enterprise Server 12.

Linux Network Administrator's Guide Olaf Kirch 2000 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).

LPI Linux Certification in a Nutshell Steven Pritchard 2006-07-26 LPI Linux Certification in a Nutshell, Second Edition is an invaluable resource for determining what you need to practice to pass the Linux Professional Institute exams. This book will help you determine when you're ready to take the exams, which are technically challenging and designed to reflect the skills that administrators need in real working environments. As more corporations adopt Linux as the networking backbone for their IT systems, the demand for certified technicians will become even greater. Passing the LPI exams will broaden your career options because the LPI is the most widely known and respected Linux certification program in the world. Linux Journal recognized the LPI as the best Training and Certification Program. The exams were developed by the Linux Professional Institute, an international, volunteer-driven organization with affiliates in a dozen countries. The core LPI exams cover two levels. Level 1 tests a basic knowledge of Linux installation, configuration, and command-line skills. Level 2 goes into much more depth regarding system troubleshooting and network services such as email and the Web. The second edition of LPI Linux Certification in a Nutshell is a thoroughly researched reference to these exams. The book is divided into four parts, one for each of the LPI exams. Each part features not only a summary of the core skills you need, but sample exercises and test questions, along with helpful hints to let you focus your energies. Major topics include: GNU and Unix commands Linux installation and package management Devices, filesystems, and kernel configuration Text editing, processing, and printing The X Window System Networking fundamentals and troubleshooting Security, including intrusion detection, SSH, Kerberos, and more DNS, DHCP, file sharing, and other networking infrastructure Email, FTP, and Web services Praise for the first edition: "Although O'Reilly's Nutshell series are intended as 'Desktop Reference' manuals, I have to recommend this one as a good all-round read; not only as a primer for LPI certification, but as an excellent introductory text on GNU/Linux. In all, this is a valuable addition to O'Reilly's already packed stable of Linux titles and I look forward to more from the author."--First Monday

Fedora 8 and Red Hat Enterprise Linux Bible Christopher Negus 2008-03-24 More than a quarter of a million copies sold in previous editions! Freedom is a feature With Fedora's new Online Desktop, you are free to shape your desktop environment to include the services, applications, and online friends you desire. As always, Fedora's total dedication to freedom lets you draw on thousands of free software packages to create the exact desktop or server computer you need. Fedora puts together the software (provided here on CD and DVD). This book acts as a guide to everything from playing music and writing documents to configuring many powerful Web, file, print, DHCP, and database servers. Customize Fedora or Red Hat Enterprise Linux to: Explore your computer or the Internet from GNOME®, KDE®, or Online Desktops Manage and use documents, spreadsheets, presentations, music, and images Try the new advanced PulseAudio sound server Draw from online software repositories with Package Manager and Package Updater Build an Internet server with e-mail, Web, DNS, FTP, and database services Secure your computer with firewalls, password protection, and SELinux Try out cutting-edge Fedora 8 features: Use Codeina to get legal software to play MP3, Windows media, and other audio/video formats Organize photos, music, friends, docs, and Web favorites in the new experimental Online Desktop Explore the latest in KVM and QEMU virtualization and AIGLX 3D-desktop What's on the DVD and CD-ROM? Install Fedora 8 (8GB) from DVD Boot Fedora 8 GNOME Live CD, and then install its contents to your hard drive System Requirements: Please see the Preface and Appendix A for details and complete system requirements. Open for more! Check out the new Online Desktop Find ten cool things to do with Fedora Run a Fedora 8 quick install Add pop and power with Online Desktop and 3D acceleration Organizing the people, places, and things you need on your desktop is now easier with the new GNOME Online Desktop. Get organized, then pile on some bling with 3D-accelerated desktop effects. Put friends, photos, and fun on your new Online Desktop Your favorite people and your online favorites are totally accessible from the new GNOME Online Desktop. Play with 3D desktop animations Continued improvements in 3D software let you rotate workspaces on a 3D cube, choose 3D minimize effects, and set 3D wobble effects.

Ubuntu Linux Bible David Clinton 2020-10-19 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

Dns & Bind (covers Bind 9) PAUL. ALBITZ 2015

Basic Guide for Enterprise Linux Servers Mihail Buzarin 2010-02-23 The book hereby is intended to be a step by

step guide that addresses to users familiar with Red Hat® Enterprise Linux® based distributions and want to expand their knowledge for personal purposes or, why not, later for preparation if interested to obtain one of the basic certifications offered by Red Hat, Inc.

Linux: Powerful Server Administration Uday R. Sawant 2017-04-27 Get hands-on recipes to make the most of Ubuntu Server, CentOS 7 Linux Server and RHEL 7 Server About This Book Get Linux servers up and running in seconds, In-depth guide to explore new features and solutions in server administration Maintain performance and security of your server solution by deploying expert configuration advice Who This Book Is For This Learning Path is intended for system administrators with a basic understanding of Linux operating systems and written with the novice-to-intermediate Linux user in mind. To get the most of this Learning Path, you should have a working knowledge of basic system administration and management tools. What You Will Learn Set up high performance, scalable, and fault-tolerant back ends with web and database servers Facilitate team communication with a real-time chat service and collaboration tools Monitor, manage and develop your server's file system to maintain a stable performance Gain best practice methods on sharing files and resources through a network Install and configure common standard services such as web, mail, FTP, database and domain name server technologies Create kickstart scripts to automatically deploy RHEL 7 systems Use Orchestration and configuration management tools to manage your environment In Detail Linux servers are frequently selected over other server operating systems for their stability, security and flexibility advantages. This Learning Path will teach you how to get up and running with three of the most popular Linux server distros: Ubuntu Server, CentOS 7 Server, and RHEL 7 Server. We will begin with the Ubuntu Server and show you how to make the most of Ubuntu's advanced functionalities. Moving on, we will provide you with all the knowledge that will give you access to the inner workings of the latest CentOS version 7. Finally, touching RHEL 7, we will provide you with solutions to common RHEL 7 Server challenges. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: 1) Ubuntu Server Cookbook 2) CentOS 7 Linux Server Cookbook, Second Edition 3) Red Hat Enterprise Linux Server Cookbook Style and approach This easy-to-follow practical guide contains hands on examples and solutions to real word administration problems and problems faced when building your RHEL 7 system from scratch using orchestration tools.

Running Mainframe z on Distributed Platforms Kenneth Barrett 2014-03-18 "Running Mainframe z on Distributed Platforms is particularly suitable for a more detailed discussion." Bill Ogden, IBM zPDT Redbook, April 2015 "The authors offer very well-reasoned solutions accompanied by case studies, which will be useful to specialists. The book is made even more useful as the System z mainframe-based solutions offer an advanced systems management environment for significant segments of data within large companies." Eugen Petac, Computing Reviews, Oct. 8, 2014 "Should you choose to implement zPDT, RDz UT, or RD&T in your team's arsenal, you will find Barrett and Norris's insights, genius, and hard work illuminating as to how to rationally and economically manage the environment." —Scott Fagen, Chief Architect—System z Business, CA Technologies "A must-read for anyone interested in successfully deploying cost-efficient zPDT environments with agility in an enterprise that requires simple or complex configurations. The case-study-based exposition of the content allows for its easy consumption and use. Excellent!" —Mahendra Durai, SVP & Information Technology Officer, CA Running Mainframe z on Distributed Platforms reveals alternative techniques not covered by IBM for creatively adapting and enhancing multi-user IBM zPDT environments so that they are more friendly, stable, and reusable than those envisaged by IBM. The enhancement processes and methodologies taught in this book yield multiple layers for system recovery, 24x7 availability, and superior ease of updating and upgrading operating systems and subsystems without having to rebuild environments from scratch. Most of the techniques and processes covered in this book are not new to either the mainframe or distributed platforms. What is new in this book are the authors' innovative methods for taking distributed environments running mainframe virtual machine (VM) and multiple virtual storage (MVS) and making them look and feel like other MVS systems. The authors' combined expertise involves every aspect of the implementation of IBM zPDT technology to create virtualized mainframe environments by which the mainframe operations on a z series server can be transitioned to distributed platforms. All of the enhancement methods consecutively laid out in this book have been architected and developed by the authors for the CA Technologies distributed platform. Barrett and Norris impart these techniques and processes to CIOs and CTOs across the mainframe and distributed fields, to zPDT and RDz UT implementers, and to IBM's independent software vendors and customers.

Linux Troubleshooting Bible Christopher Negus 2004-12-03 * An indispensable resource for Fedora users who must now work without customer support from Red Hat, Inc., covering critical troubleshooting techniques for networks, internal servers, and external servers * Chris Negus is a well-known Linux authority and also the author of the top-selling Red Hat Linux Bible (0-7645-4333-4); Thomas Weeks is a trainer and administrator who manages hundreds of Red Hat Linux systems * Covers all of the most common Fedora problem areas: firewalls, DNS servers, print servers, Samba, NFS, Web servers, FTP servers, e-mail servers, modems, adding hardware, and hardware certification * Features easy-to-use flowcharts that guide administrators step by step through common Fedora troubleshooting scenarios * A companion Web site offers troubleshooting updates to keep pace with the frequent Fedora Core releases as well as a forum for exchanging troubleshooting tips

Linux Server Hacks, Volume Two William Von Hagen 2005-12-29 Provides advice and tools to help Linux system administrators solve problems, offering hacks devoted to concerns such as controlling the authentication process, running a GUI Linux desktop remotely, and managing storage on the network.

The Official Ubuntu Server Book Kyle Rankin 2014 Ubuntu Server is a complete, free server operating system that just works, with the extra Ubuntu polish, innovation, and simplicity that administrators love. Now, there's a definitive, authoritative guide to getting up and running quickly with the newest, most powerful versions of Ubuntu Server. Written by leading members of the Ubuntu community, *The Official Ubuntu Server Book*, Third Edition, covers all you need to know to make the most of Ubuntu Server, whether you're a beginner or a battle-hardened senior systems administrator. The authors cover Ubuntu Server from start to finish: installation, basic administration and monitoring, security, backup, troubleshooting, system rescue, and much more. They walk through deploying each of the most common server applications, from file and print services to state-of-the-art, cost-saving virtualization and cloud computing. In addition, you'll learn how to Make the most of Ubuntu Server's latest, most powerful technologies Discover easy, fast ways to perform key administration tasks Automate Ubuntu installs, no matter how many servers you're installing Quickly set up low-cost Web servers and e-mail Protect your server with Ubuntu's built-in and optional security tools Minimize downtime with fault tolerance and clustering Master proven, step-by-step server and network troubleshooting techniques Walk through rescuing an

Ubuntu server that won't boot Deploy your own Ubuntu servers in the cloud

Linux Sendmail Administration Craig Hunt 2006-07-14 Authoritative Answers to All Your Sendmail Questions—Specifically for Linux Administrators Linux Sendmail Administration is the most complete, most advanced guide to Sendmail you'll find anywhere. Written by one of today's most renowned Linux experts, this book is the standard and advanced techniques you need to know to install, configure, and maintain Sendmail. Hundreds of clear, consistent examples illustrate these techniques in detail—so you stay on track and accomplish all your goals. Coverage includes: Understanding Internet mail protocols and multimedia extensions Understanding e-mail architecture and the role of Sendmail Installing Sendmail source or a binary distribution on a Linux system Building a Sendmail configuration using the m4 language Analyzing and improving the Red Hat Sendmail configuration Using Sendmail databases to customize your configuration Understanding the sendmail.cf file and its commands Understanding ruleset and using rewrite rules to modify addresses Hiding usernames and hostnames Testing and debugging Sendmail configurations Controlling spam e-mail Securing a Sendmail server Using Sendmail cryptographic authentication techniques The Craig Hunt Linux Library The Craig Hunt Linux Library is a seven-book set that provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba Server Administration, System Administration, DNS Server Administration, Apache Web Server Administration, NFS and Automounter, and Linux Security. 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.

Automating Linux and Unix System Administration Nathan Campi 2009-02-01 The author focuses solely on how UNIX and Linux system administrators can use well-known tools to automate tasks, even across multiple systems.

Craig Hunt 2000 Geared especially toward professional Linux administrators, this book—part of an eight-book set from the Craig Hunt Linux Library—provides advanced treatment of Domain Name Service (DNS), a server that translates Internet protocol addresses into the URLs humans use.

Managing Linux Systems with Webmin Jamie Cameron 2004 Provides instructions on using Webmin, covering such topics as installation, partitions, system logs, firewall configuration, cluster modules, and Webmin modules.

Linux Bible Christopher Negus 2015-04-16 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.

Red Hat Linux 9 For Dummies Jon Hall 2003-09-24 Red Hat Linux, with its splashy brand name and recognizable logo, is undeniably one of the driving forces behind the Linux revolution—and, by far, the most popular Linux flavor. It's used by businesses, individuals, and governments world wide to cut costs, improve performance, and just plain get the work done. You can use it as a desktop workstation, a network server, an Internet gateway, a firewall, the basis of an embedded system (such as a smart VCR or a robot), or even as a multiprocessor supercomputer. And thanks to the thousands of people who continually refine different parts of Linux, Red Hat Linux keeps getting more flexible and robust with each new release. Ready to put the power of the penguin in your PC? This handy plain-English guide to Red Hat Linux 9 shows you how—no experience required! It gets you up and running with everything you need to know to: Install, configure, customize, and fine-tune Red Hat Linux 9 Get connected to the Internet Work with Word documents Set up a Web server Customize your own flexible, powerful workstation Connect to a wireless network Build a firewall With world-renowned Linux expert and crusader Jon "maddog" Hall and Paul Sery as your guides, you'll quickly master what you need to know about: Connecting to the Internet via broadband DSL and cable modems or old-fashioned dial-up modems Getting connected to your Local Area Network (LAN) Building simple Internet and LAN services, including Web pages and print servers Using Red Hat Linux to play CDs and MP3s and listen to radio stations Using OpenOffice desktop productivity suite, Evolution desktop organizer/and email client, the streaming multimedia player, and other cool applications On the 2 Bonus CD-ROMs you'll find: Publisher's edition of Red Hat Linux 9 Apache Web Server GNU compiler GNOME and KDE Desktop This amazing book/CD package is hands-down the quickest, easiest, and cheapest way to put the full power of Linux to work for you.

Linux System Administration Vicki Stanfield 2006-10-11 "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.

Linux System Administration Tom Adelstein 2007-03-27 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.