Red Hat Enterprise Linux 6 Administration-Sander van Vugt 2013-01-23 The definitive guide to administering a Red Hat EnterpriseLinux 6 network Linux professionals who need a go-to guide on version 6 of Red Hat Enterprise Linux (RHEL) will find what they need in this comprehensive Sybex book. It covers RHEL administration in detail, including how to set up and manage web and mail services, use RHEL in enterprise environments, secure it, optimize storage, configure for virtualization and high availability, and much more. It also provides a great study aid for those preparing for either the RHCSA or RHCE certification exam. Red Hat is the Linux market leader, and Red Hat administrators are in demand. This Sybex guide is a comprehensive resource on Red Hat Enterprise Linux administration and useful for those preparing for one of the Red Hat certification exams. Covers setting up and managing web and mail services, using RHEL in enterprise environments, securing RHEL, and optimizing storage to fit your environment. Explores advanced RHEL configurations, including virtualization and high availability. Red Hat Enterprise Linux 6 Administration is the guide Linux professionals and Red Hat administrators need to stay current on the newest version.

Linux Administration A Beginners Guide 6/E-Wale Soyinka 2012-02-21 Essential Linux Management Skills Made Easy Effectively deploy and maintain Linux and other Free and Open Source Software (FOSS) on your servers or entire network using this practical resource. Linux Administration: A Beginner's Guide, Sixth Edition provides up-to-date details on the latest Linux distributions, including Fedora, Red Hat Enterprise Linux, CentOS, Debian, and Ubuntu. Learn how to install and customize Linux, work from the GUI or command line, configure Internet and intranet services, interoperate with Windows systems, and create reliable backups. Performance tuning, security, and virtualization are also covered and real-world examples help you put the techniques presented into practice. Install and configure popular Linux distributions, including the latest versions of Fedora, CentOS, openSUSE, Debian, and Ubuntu. Administer Linux servers from the GUI or from the command line (shell). Manage users, permissions, folders, and native FOSS applications. Compile, tune, upgrade, and customize the latest Linux kernel 3.x series. Work with proc, SysFS, and cgroup file systems. Understand and manage the Linux TCP/IP networking stack and services for both IPv4 and IPv6. Build robust firewalls, and routers using Netfilter and Linux. Create and maintain print, e-mail, FTP, and web servers. Use LDAP or NIS for identity management. Set up and administer DNS, POP3, IMAP3, and DHCP servers. Use GlusterFS, NFS, and Samba for sharing and distributing file system resources. Explore and implement Linux virtualization technologies using KVM.

CentOS 6 Linux Server Cookbook-Jonathan Hobson 2013-04-18 This book is written in cookbook style and it offers learning through recipes with examples and illustrations. Each recipe contains step-by-step instructions about everything necessary to execute a particular task. The book is designed so that you can read it from start to end for beginner's or just open up any chapter and start following the recipes as a reference for advanced users. "CentOS 6 Linux Server Cookbook" is for Linux professionals and system administrators using CentOS for their business's server.

A Practical Guide to Fedora and Red Hat Enterprise Linux-Mark G. Sobell 2012 "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 (tm). In this book, one of the world's leading Linux experts brings together all the knowledge you need to master Fedora or Red Hat Enterprise Linux and succeed with it 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!

Mastering Puppet—Thomas Uphill 2014-07-16 Presented in an easy-to-follow, step-by-step tutorial format and packed with examples, this book will lead you through making the best out of Puppet in an enterprise environment. If you are a system administrator or developer who has used Puppet in production and are looking for ways to easily use Puppet in an enterprise environment, this book is for you. This book assumes an intermediate knowledge of Puppet and is intended for those writing modules or deploying Puppet in an enterprise environment.

Learning RHEL Networking—Andrew Mallett 2015-06-24 Red Hat Enterprise Linux (RHEL) is the most popular Linux distribution currently being used and can be deployed on many platforms. Enterprises that have a large number of systems need to be interconnected, configured, and managed effectively. RHEL networking lets you accomplish these tasks easily. This is a highly-detailed guide to help with your deployments on RHEL 7 or CentOS 7. This book, based on RHEL 7.1, will introduce to you the fundamentals of networking your systems. You will learn the use of new consistent names to identify your network cards. Soon, you will move on to configuring the basic plumbing of your network, setting up time, network address assignment, and name resolution. Last, the focus moves to configuring the new kernel-based iSCSI target services on RHEL 7 and using the service to host storage area networks.

Professional Red Hat Enterprise Linux 3—Kapil Sharma 2005-03-11 What is this book about? Professional Red Hat Enterprise Linux 3 is a complete professional guide to setting up, configuring, and deploying Red Hat Enterprise Linux in the corporate production environment. The book focuses on Enterprise Server and Advanced Server features, including the key areas of high availability with the Red Hat Cluster Suite, Red Hat Network Control Center, and Red Hat Enterprise applications such as the Content Management System and portal server. Other key unique features include kernel tuning for various performance profiles; advanced Apache configuration; Tux installation/maintenance; building high-performance FTP servers; building high-performance mail servers (which means replacing Sendmail); Mailing list management; how to efficiently add, remove, or modify 100 users at the same time; and a discussion of disk quota management and monitoring.

What does this book cover? The key features of the book include the following: How to install and setup RHEL 3 How to deploy RHEL 3 in production environment How to manage an RHEL system using Perl and shell scripting Advanced administration tools How to use Red Hat network service Details on installation and setup of security tools Ability to use and deploy High Availability solutions provided with RHEL 3 Performance tuning How to use monitoring tools Ability to use RHEL to provide scalable infrastructure solutions.

Red Hat Linux 9 Bible—Christopher Negus 2003-05-23 “The definitive work on Red Hat Linux. Chain it to your desk. You’ll browse others, but you’ll wear this one out.” —Nicholas Petreley, Founding Editor of LinuxWorld If Red Hat Linux 9 can do it, you can do it too... Activate the power of Red Hat Linux 9, the most popular distribution of this practical, economical operating system, with the in-depth information in this comprehensive reference manual. If you’re exploring Linux for the first time, the hands-on instructions for installing, configuring, and customizing the system will get you going with confidence. If you’re a Red Hat veteran, Linux expert Christopher Negus gives you everything you need to administer the latest desktop, server, and networking enhancements, plus much more. Inside, you’ll find complete coverage of Red Hat Linux 9 * Explore GNOME and KDE desktop menus, panels, file managers, workspaces, and themes * Configure a firewall to share your Internet connection and protect your LAN * Run applications for Internet browsing, publishing, music, video, and gaming * Construct your own public Internet server, complete with mail, DNS, FTP, and Web services * Administer users, manage backups, and automate system tasks * Create dial-up connections, wireless LANs, and virtual private networks (CIPE) * Set up Windows (Samba), Mac (netatalk), or NetWare (mars-nwe) file and print sharing from Linux * Use the Red Hat Network up2date facility to easily get

rhel_6 Beginners Guide
Beginners Guide To Bioinformatics For High Throughput Sequencing-Tan Tin Wee 2018-10-05 Biologists find computing bewildering; yet they are expected to be able to process the voluminous data available from the machines they buy and the datasets that has accumulated in genomic databanks worldwide. It is now increasingly difficult for them to avoid dealing with large volumes of data, that goes beyond just doing manual programming. Most books in this realm are full of equations and complex code but this book gives a much gentler entry point particularly for biologists, with code snippets users can use to cut and paste, and run on their Linux or MacOSX operating system or cloud instance. It also provides a step by step installation instructions which they can easily follow. Those who are in the field of genome sequencing and already familiar with the procedures of analysis, may also find this book useful in closing some knowledge gaps. High throughput sequencing requires high throughput and high performance computing. This book provides a gentle entry to high throughput sequencing by dealing with simple skills which the average biologist is increasingly required to master. You will find this book a breeze to read, and some suggestions in this book maybe new to you, something you might want to try out.

RHCSA/RHCE Red Hat Linux Certification Study Guide, Seventh Edition (Exams EX200 & EX300)-Michael Jang 2016-04-15 Based on Red Hat Enterprise Linux 7, the new edition of this bestselling study guide covers the updated Red Hat Certified System Administrator (RHCSA) and Red Hat Certified Engineer (RHCE) exams. RHCSA/RHCE Red Hat Enterprise Linux Certification Study Guide, 7th Edition is fully revised to cover the recently released Red Hat Enterprise Linux 7 and the corresponding RHCSA and RHCE certification exams. This new edition provides complete coverage of all official exam objectives for the new exams. An integrated study system based on proven pedagogy, this revised bestseller features special elements that reinforce and teach practical skills while preparing candidates for the exam. Each chapter includes step-by-step exercises, Exam Watch and On-the-Job sidebars, Two-Minute Drills, end-of-chapter self tests, and hands-on lab questions. Electronic content includes four complete lab-based practice exams to ensure you’re ready to sit for the live exams. Complete coverage of all exam objectives and performance-based requirements related to the exams, including difficult lab-based scenarios Electronic content includes four complete lab-based practice exams, two for RHCSA and two for RHCE A proven study system for RHCSA and RHCE candidates This book includes copies of the Linux Kernel provided under the terms of the GNU General Public License version 2

Camel Design Patterns-Bilgin Ibryam

Puppet Reporting and Monitoring-Michael Duffy 2014-06-17 An easy to follow guide with extensive examples to explain Puppet’s reporting capabilities to facilitate effective implementation of Puppet in the real world as a reporting tool. If you are a Puppet developer or a system administrator using Puppet, and you want to extend your expertise to manage and optimize your server resources, then this book is for you.

A Practical Guide to Fedora and Red Hat Enterprise Linux-Mark G. Sobell 2008-05-09 Master All the Techniques You Need to Succeed with Fedora and Red Hat Enterprise Linux in the Workplace You’re studying Fedora and Red Hat Enterprise Linux with a single goal: to succeed with these state-of-the-art operating systems in real workplace environments. In this book, one of the world’s leading Linux experts brings together all the knowledge you’ll need to achieve that goal. Writing in plain English, best-selling author Mark Sobell explains Linux clearly and effectively, focusing on the skills you will actually use as a professional administrator, user, or programmer. Sobell assumes no prior Linux knowledge: He starts at the very beginning and walks you through every topic and skill that matters. Step by step, you’ll learn how to install and configure Linux from the accompanying DVD, navigate its graphical user interfaces, set up Linux to provide file/print sharing and Internet services, make sure Linux desktops and networks are as secure as possible, work with the powerful command line, and administer Linux in real business environments. 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 your Linux-related career goals, this book gives you all you need—and more. Compared with the other Linux books out there, A Practical Guide to Fedora™ and Red Hat® Enterprise Linux®, College Edition, delivers Complete, up-to-the-minute coverage of Fedora 8 and Enterprise

Linux 5 Deeper coverage of the command line and the GNOME and KDE GUIs, including customizing the
desktop More practical coverage of file sharing using Samba, NFS, and FTP More usable, realistic coverage of
Internet server configuration, including Apache, sendmail, NFS, DNS/BIND, and LDAP More state-of-the-art
security techniques, including SELinux (Security Enhanced Linux), ACLs (Access Control Lists), firewall setup
using both the Red Hat GUI and iptables, and a full chapter on OpenSSH More and better coverage of "meat-
and-potatoes" system/network administration tasks A more practical introduction to writing bash shell scripts
Complete instructions on keeping Linux systems up-to-date using yum And much more...including a 500+ term
glossary and a comprehensive index to help you find what you need fast! Includes DVD! Get the full version of
the Fedora 8 release!

Hadoop Beginner's Guide-Garry Turkington 2013-02-22 Data is arriving faster than you can process it and the
overall volumes keep growing at a rate that keeps you awake at night. Hadoop can help you tame the data
beast. Effective use of Hadoop however requires a mixture of programming, design, and system administration
skills. "Hadoop Beginner's Guide" removes the mystery from Hadoop, presenting Hadoop and related
technologies with a focus on building working systems and getting the job done, using cloud services to do so
when it makes sense. From basic concepts and initial setup through developing applications and keeping the
system running as the data grows, the book gives the understanding needed to effectively use Hadoop to solve
real world problems. Starting with the basics of installing and configuring Hadoop, the book explains how to
develop applications, maintain the system, and how to use additional products to integrate with other systems.
While learning different ways to develop applications to run on Hadoop the book also covers tools such as
Hive, Sqoop, and Flume that show how Hadoop can be integrated with relational databases and log collection.
In addition to examples on Hadoop clusters on Ubuntu uses of cloud services such as Amazon, EC2 and Elastic
MapReduce are covered.

Hands-on Guide to the Red Hat Exams-Damian Tommasino 2011-04-12 Master every topic on Red Hat’s new
RHCSA™ and RHCE® exams. Assess your knowledge and focus your learning. Get the practical workplace
knowledge you need! Start-to-finish RHCSA™ and RHCE® preparation from leading Linux system
administrator, IT trainer, and certification expert Damian Tommasino! Master every RHCSA™ and RHCE®
topic! Red Hat Enterprise Linux 6 local and network installation System services, runlevels, and bootup Disks,
partitions, and file systems, including LUKS encryption Networking Package management User administration
Logging, monitoring, and automation Kernel updates and tuning Security, including SELinux, firewalls, and
policies Remote access, including SSH Apache, Squid, DNS, DHCP, NTP, and email NFS and Samba Client and
network troubleshooting KVM virtualization Test your knowledge, build your confidence, and succeed! 22
downloads-

Hands-on RHCSA™ and RHCE® Labs, each with multiple real-world tasks Downloadable troubleshooting
scripts Practical tutorials and real-world tips Exam tips Red Hat Enterprise Linux 6 Command Quick Reference
Exclusive Red Hat exam prep advice and task lists Two full length lab-based practice exams Damian
Tommasino (RHCE, RHCSA, MCSA, CCNA, CCENT, MCP, Security+, Network+, A+) is a Linux system
administrator at TradeCard and CEO of Modular Learning Inc., an online IT training company. He blogs on
Red Hat, Linux, and security at Security Nut (http://secnut.blogspot.com), and actively contributes to the
popular IT exam certification forums at techexams.net.

Red Hat Linux Administration-Michael Turner 2003-01-24 Perfect for systems and network administrators
migrating from Windows NT to Linux, or experimenting with bringing Linux into their network topology. Even
novice users will find plenty of helpful information on administering the open source operating
system—including installation, initial configuration, using the bash command shell, managing files, managing
software, and granting rights to users.

Beginning Red Hat Linux 9-Sandip Bhattacharya 2003-07-09 Describes the Linux operating system, covering
such topics as installation, connecting to the Internet, software, applications, user accounts, networking,
system administration, security, and Perl.

virtual machine showcasing the book’s test system configuration and updated for the latest Linux kernel
release, the new edition of this bestseller teaches system administrators how to set up and configure Linux
quickly and easily. The seventh edition of Linux Administration: A Beginner's Guide takes a proven, step-by-
step approach to teaching the fundamentals of Linux system administration, including set-up, configuration,
maintenance, networking, and security. Written for all beginner-level system and network admins, this
beginner's guide makes it easy for you to translate your basic admin knowledge to Linux system administration
tackle real-world Linux system administration issues. Part I begins with instructions for Linux server and
software installation. Part II details all that is necessary to manage a stand-alone system and Part III
introduces Linux security and networking. The remainder of the book is divided into two parts, Part IV:
Internet Services and Part V: Intranet Services. The book’s step-by-step design prompts you to follow along and configure your own system. This new edition features a virtual machine showcasing the example system configuration, allowing you to test and compare your own configuration. Covers the major distributions of Linux server for Ubuntu, Fedora, Centos, and openSUSE, and the latest Linux kernel release -- Linux 3.20 Now with a virtual machine! Available for download, the virtual machine showcases the final system configuration you will achieve by working through the book Complete with instructor resource materials, featuring PowerPoint slides for classroom use and a test bank of questions that can be used for homework assignments, quizzes, or a final exam

RHCSA/RHCE Red Hat Linux Certification Study Guide (Exams EX200 & EX300), 6th Edition-Michael Jang 2011-07-05 The best fully integrated study system available (Exams EX200 and EX300) With hundreds of review questions and complete coverage of performance-based requirements, RHCSA/RHCE Red Hat Linux Certification Study Guide, Sixth Edition covers what you need to know--and shows you how to prepare--for these challenging exams. 100% complete coverage of all official objectives for Exams EX200 and EX300 Exam Readiness Checklist--you’re ready for the exam when all objectives on the list are checked off Inside the Exam sections in every chapter highlight key exam topics covered Two-Minute Drills for quick review 100+ lab questions--two full lab-based RHCSA exams and two full lab-based RHCE exams--match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Virtual Machines and Automated Installations * Fundamental Command Line Skills * RHCSA-Level Security Options * The Boot Process * Linux Filesystem Administration * Package Management * User Administration * RHCSA-Level System Administration * RHCE Security * System Services and SELinux * RHCE Administration * Mail Servers * Samba * File Sharing * DNS, FTP, and Logging CD-ROM includes: Complete lab-based exam preparation, featuring: Two full RHCSA practice exams Two full RHCE practice exams Lab-based chapter self tests In-depth answer explanations for all labs RHCSA and RHCE Glossary PDF copy of the book for studying on the go Michael Jang, RHCE, LPIC-2, UCP, LCP, MCP, is the author of three previous bestselling editions of RHCE Red Hat Certified Engineer Linux Study Guide and several other books on Linux and professional certification. Red Hat RHCSA/RHCE 7 Cert Guide-Sander van Vugt 2015-08-07 Trust the best-selling Cert Guide series from Pearson IT Certification to help you learn, prepare, and practice for exam success. Cert Guides are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. Master Red Hat RHCSA (EX200) and RHCE (EX300) exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks Test yourself with 4 practice exams (2 RHCSA and 2 RHCE) Gain expertise and knowledge using the companion website, which contains over 40 interactive exercises, 4 advanced CLI simulations, 40 interactive quizzes and glossary quizzes (one for each chapter), 3 virtual machines and more. Red Hat RHCSA/RHCE 7 Cert Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. “Do I Know This Already?” quizzes open each chapter and allow you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending labs help you drill on key concepts you must know thoroughly. Red Hat RHCSA/RHCE 7: Premium Edition eBook and Practice Test focuses specifically on the objectives for the newest Red Hat RHCSA (EX200) and RHCE (EX300) exams reflecting Red Hat Enterprise Linux 7. Expert Linux trainer and consultant Sander van Vugt shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. Well-regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. This study guide helps you master all the topics on the new RHCSA (EX200) and RHCE (EX300) exams, including Part 1: RHCSA Basic System Management: Installation, tools, text files, server connections; user, group, and permissions management; network configuration Operating Running Systems: Process management, VMs, package installation, task scheduling, logging, managing partitions and LVM logical volumes Advanced System Administration: Basic kernel management, basic Apache server configuration, boot procedures/troubleshooting Managing Network Services: Using Kickstart; managing SELinux; configuring firewalls, remote mounts, FTP, and time services Part 2: RHCE System Configuration/Management: External authentication/authorization, iSCSI SANs, performance reporting, optimization, logging, routing/advanced networking, Bash scripting System Security: Configuring firewalls, advanced Apache services, DNS, MariaDB, NFS, Samba, SMTP, SSH, and time synchronization

Puppet 5 Beginner's Guide-John Arundel 2017-10-05 Puppet 5 Beginner's Guide, Third Edition is a practical guide that gets you up and running with the very latest features of Puppet 5. About This Book Develop skills to
run Puppet 5 on single or multiple servers without hiccups Use Puppet to create and manage cloud resources such as Amazon EC2 instances Take full advantage of powerful new features of Puppet including loops, data types, Hiera integration, and container management Who This Book Is For Puppet 5 Beginner's Guide, Third Edition is designed for those who are new to Puppet, including system administrators and developers who are looking to manage computer server systems for configuration management. No prior programming or system administration experience is assumed. What You Will Learn Understand the latest Puppet 5 features Install and set up Puppet and discover the latest and most advanced features Configure, build, and run containers in production using Puppet's industry-leading Docker support Deploy configuration files and templates at super-fast speeds and manage user accounts and access control Automate your IT infrastructure Use the latest features in Puppet 5 onward and its official modules Manage clouds, containers, and orchestration Get to know the best practices to make Puppet more reliable and increase its performance In Detail Puppet 5 Beginner's Guide, Third Edition gets you up and running with the very latest features of Puppet 5, including Docker containers, Hiera data, and Amazon AWS cloud orchestration. Go from beginner to confident Puppet user with a series of clear, practical examples to help you manage every aspect of your server setup. Whether you're a developer, a system administrator, or you are simply curious about Puppet, you'll learn Puppet skills that you can put into practice right away. With practical steps giving you the key concepts you need, this book teaches you how to install packages and config files, create users, set up scheduled jobs, provision cloud instances, build containers, and so much more. Every example in this book deals with something real and practical that you're likely to need in your work, and you'll see the complete Puppet code that makes it happen, along with step-by-step instructions for what to type and what output you'll see. All the examples are available in a GitHub repo for you to download and adapt for your own server setup. Style and approach This tutorial is packed with quick step-by-step instructions that are immediately applicable for beginners. This is an easy-to-read guide, to learn Puppet from scratch, that explains simply and clearly all you need to know to use this essential IT power tool, while applying these solutions to real-world scenarios.

Red Hat Linux 7.1 Bible-Chris Negus 2001-05-29 Whether you're a Linux newbie looking for goof-proof installation tips or a Red Hat veteran who wants the scoop on the latest networking, desktop, and server enhancements, this authoritative guide delivers all the information you need to make the most of Red Hat Linux 7.1. From customizing a desktop system to troubleshooting a network or setting up a Web server, it's the only reference you'll ever need to become a Red Hat Linux pro. Inside, you'll find complete coverage of Red Hat Linux * Take advantage of expert tips for fast, painless installation * Learn your way around the Linux shell, file system, and X Window system * Master Linux administration, from automating system tasks to locking in security * Discover how easy it is to set up a LAN and connect to the Internet * Find expert help on tracking down and fixing typical network problems * Get the scoop on configuring servers, from Web and print servers to e-mail and FTP servers Red Hat Linux 7.1 on three CD-ROMs * GNOME and KDE * Apache Web Server * New Linux 2.4 kernel * Plus networking tools, Internet applications, text editors, graphics software, UNIX utilities, and much more Unlimited Edition www.unltded.com * Read or download all-new chapters and articles * Access a searchable online version of the book Site content available only to owners of this book. See the last page for details. www.hungryminds.com System Requirements: Intel 486-compatible or higher PC with CD-ROM drive. A minimum of 800MB free hard drive space (2.4GB recommended). At least 16MB RAM (32MB recommended).

Red Hat RHCSA 8 Cert Guide-Sander van Vugt 2019-11-04 This is the eBook version of the print title. Learn, prepare, and practice for Red Hat RHCSA 8 (EX200) exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master Red Hat RHCSA 8 EX200 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam-preparation tasks Practice with four unique practice tests Learn from two full hours of video training from the author's Red Hat Certified System Administrator (RHCSA) Complete Video Course, 3rd Edition. Red Hat RHCSA 8 Cert Guide is a best-of-breed exam study guide. Leading Linux consultant, author, and instructor Sander van Vugt shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time, including Basic system management: Installation, tools, file management, text files,
RHEL8 connections, user/group management, permissions, and network configuration Operating running systems: Managing software, processes, storage, and advanced storage; working with systemd; scheduling tasks; and configuring logging Advanced system administration: Managing the kernel and boot procedures, essential troubleshooting, bash shell scripting Managing network services: Configuring SSH, firewalls, and time services; managing Apache HTTP services and SELinux; and accessing network storage

Red Hat Linux 7.3 For Dummies-Jon Hall 2002-06-28 * Covers the essentials first-time Red Hat Linux users need to know about installing and using Red Hat on their desktop. Topics include preparing your PC for Linux, installing, connecting to a network or the Internet, working with the GNOME interface, working with media files, and working with the file system. * New to this edition: Brand new chapters covering security configuration, security vulnerabilities and solutions, firewalls, and connecting to the Internet with a DSL modem. * Series features: Includes the simple and fun reference style that has made the For Dummies series a favorite for over 200,000 first-time Linux users. ABOUT THE CD-ROM The two CDs included with this book contain the full GNU public release of Red Hat Linux 7.3.

Red Hat Enterprise Linux 8: Desktops and Administration-Richard Petersen 2019-12-10 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.

A Practical Guide To Linux-Mark G. Sobell 1997 Linux Administration: A Beginner's Guide, Seventh Edition-Wale Soyinka 2015-12-22 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

CentOS 8 Essentials-Neil Smyth 2019-12-11 Arguably one of the most highly regarded and widely used enterprise level operating systems available today is the CentOS 8 distribution. Not only is it considered to be among the most stable and reliable operating systems, it is also backed by the considerable resources and technical skills of Red Hat, Inc. CentOS 8 Essentials is designed to provide detailed information on the installation, use and administration of the CentOS 8 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 using both Samba and NFS are covered in detail to provide a thorough overview of this enterprise class operating system.


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Rel 6 Beginners Guide
hardware, providing Internet and intranet services, and customizing Linux kernel 2.6. You'll also learn how to get your network services IPv6 ready, implement sound security, create foolproof system backups, and use the latest virtualization technologies. Real-world, hands-on examples are included throughout. Install and configure popular Linux distributions, including Fedora 9, Red Hat Enterprise Linux, OpenSuSE, and Ubuntu. Manage users, permissions, files, folders, and applications. Administer Linux servers from the GUI or from the command line (shell). Understand and manage file systems in Linux. Compile, tune, and customize Linux kernel 2.6. Build robust firewalls and routers using netfilter and Linux. Manage the Linux TCP/IP networking stack and services for both IPv4 and IPv6. Build and deploy Web, e-mail, and FTP servers. Use NIS, NFS, LDAP, and Samba for resource sharing and identity management. Set up and administer print, DNS, POP3, IMAP3, and DHCP servers. Implement Linux virtualization technologies, including the native KVM platform. 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 Linux Administration: A Beginner's Guide, Eighth 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 with 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: * Create and delete files, directories, and symlinks * Administer your system, including networking, package installation, and process management * Use standard input and output, redirection, and pipelines * Edit files with Vi, the world’s most popular text editor * Write shell scripts to automate common or boring tasks * Slice and dice text files with cut, paste, grep, patch, and sed * Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust. A featured resource in the Linux Foundation's "Evolution of a SysAdmin".
Enterprise Linux license. Now you can learn CentOS Linux, the most powerful and popular of all Red Hat clones, keep maintaining your network at work, and become an RHCE. This book introduces CentOS Linux and Fedora clients as equals to Red Hat Enterprise Linux. It sets up CentOS as a secure, high-performance web services back end. Prepares you for the RHCE examination, but does not assume an RHEL installation.

Mastering CloudForms Automation-Peter McGowan 2016-08-22 Learn how to work with the Automate feature of CloudForms, the powerful Red Hat cloud management platform that lets you administer your virtual infrastructure, including hybrid public and private clouds. This practical hands-on introduction shows you how to increase your operational efficiency by automating day-to-day tasks that now require manual input. Throughout the book, author Peter McGowan provides a combination of theoretical information and practical coding examples to help you learn the Automate object model. With this CloudForms feature, you can create auto-scalable cloud applications, eliminate manual decisions and operations when provisioning virtual machines and cloud instances, and manage your complete virtual machine lifecycle. In six parts, this book helps you: Learn the objects and concepts for developing automation scripts with CloudForms Automate Customize the steps and workflows involved in provisioning virtual machines. Create and use service catalogs, items, dialogs, objects, bundles, and hierarchies. Use CloudForm's updated workflow to retire and delete virtual machines and services. Orchestrate and coordinate with external services as part of a workflow. Explore distributed automation processing as well as argument passing and handling.

Linux Administration: A Beginner's Guide, Sixth Edition-Wale Soyinka 2012-02-06 Essential Linux Management Skills Made Easy Effectively deploy and maintain Linux and other Free and Open Source Software (FOSS) on your servers or entire network using this practical resource. Linux Administration: A Beginner's Guide, Sixth Edition provides up-to-date details on the latest Linux distributions, including Fedora, Red Hat Enterprise Linux, CentOS, Debian, and Ubuntu. Learn how to install and customize Linux, work from the GUI or command line, configure Internet and intranet services, interoperate with Windows systems, and create reliable backups. Performance tuning, security, and virtualization are also covered and real-world examples help you put the techniques presented into practice. Install and configure popular Linux distributions, including the latest versions of Fedora, CentOS, openSUSE, Debian, and Ubuntu. Administer Linux servers from the GUI or from the command line (shell). Manage users, permissions, folders, and native FOSS applications. Compile, tune, upgrade, and customize the latest Linux kernel. 3.x series Work with proc, SysFS, and cgroup file systems. Understand and manage the Linux TCP/IP networking stack and services for both IPv4 and IPv6. Build robust firewalls and routers using Netfilter and Linux Create and maintain print, e-mail, FTP, and web servers. Use LDAP or NIS for identity management. Set up and administer DNS, POP3, IMAP3, and DHCP servers. Use firewalls, and routers using Netfilter and Linux. Create and maintain print, e-mail, FTP, and web servers. Use LDAP or NIS for identity management. Set up and administer DNS, POP3, IMAP3, and DHCP servers. Use firewalls, and routers using Netfilter and Linux.

Linux Bible-Christopher Negus 2012-09-07 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.

Red Hat Enterprise Linux Troubleshooting Guide-Benjamin Cane 2015-10-19 Identify, capture, and resolve common issues faced by Red Hat Enterprise Linux administrators using best practices and advanced troubleshooting techniques. About This Book Develop a strong understanding of the base tools available within Red Hat Enterprise Linux (RHEL) and how to utilize these tools to troubleshoot and resolve real-world issues. Gain hidden tips and techniques to help you quickly detect the reason for poor network/storage performance. Troubleshoot your RHEL to isolate problems using this example-oriented guide full of real-world solutions. Who This Book Is For If you have a basic knowledge of Linux from administration or consultant experience and wish to add to your Red Hat Enterprise Linux troubleshooting skills, then this book is ideal for you. The ability to navigate and use basic Linux commands is expected. What You Will Learn Identify issues that need rapid resolution against long term root cause analysis. Discover commands for testing network connectivity such as telnet, netstat, ping, ip and curl. Spot performance issues with commands such as top, ps, free, iostat, and vmstat. Use tcpcdump for traffic analysis. Repair a degraded file system and rebuild a software raid.
troubleshoot hardware issues using dmesg.

Troubleshoot custom applications with strace and knowledge of Linux resource limitations in detail.

Red Hat Enterprise Linux is an operating system that allows you to modernize your infrastructure, boost efficiency through virtualization, and finally prepare your data center for an open, hybrid cloud IT architecture. It provides the stability to take on today's challenges and the flexibility to adapt to tomorrow's demands. In this book, you begin with simple troubleshooting best practices and get an overview of the Linux commands used for troubleshooting. The book will cover the troubleshooting methods for web applications and services such as Apache and MySQL. Then, you will learn to identify system performance bottlenecks and troubleshoot network issues; all while learning about vital troubleshooting steps such as understanding the problem statement, establishing a hypothesis, and understanding trial, error, and documentation. Next, the book will show you how to capture and analyze network traffic, use advanced system troubleshooting tools such as strace, tcpdump, and dmesg, and discover common issues with system defaults. Finally, the book will take you through a detailed root cause analysis of an unexpected reboot where you will learn to recover a downed system.

Style and approach This is an easy-to-follow guide packed with examples of real-world core Linux concepts. All the topics are presented in detail while you're performing the actual troubleshooting steps.


Arguably one of the most highly regarded and widely used enterprise level operating systems available today is the Red Hat Enterprise Linux 8 distribution. Not only is it considered to be among the most stable and reliable operating systems, it is also backed by the considerable resources and technical skills of Red Hat, Inc. Red Hat Enterprise Linux 8 Essentials is designed to provide detailed information on the installation, use and administration of the Red Hat Enterprise Linux 8 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 using both Samba and NFS are covered in detail to provide a thorough overview of this enterprise class operating system.
Rh6 6 Beginners Guide

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