

Red Hat Enterprise Linux Server Cookbook

Join the Linux revolution. Learn how to set up a new installation of Red Hat Enterprise Linux (RHEL), execute basic Linux commands, and manage user accounts and file storage.

The book covers the world's leading open source application platform: Red Hat Enterprise Linux (RHEL) 6 is a Linux distribution produced by Red Hat that was targeted toward the commercial market, including mainframes. Red Hat Enterprise Linux is released in server versions for x86, x86_64, Itanium, PowerPC and IBM System z, and desktop versions for x86 and x86_64. All of Red Hat's official support and training, and the Red Hat Certification Program center on the Red Hat Enterprise Linux platform. It next Covers CentOS 6 Server: is a community-supported, free and open source operating system based on Red Hat Enterprise Linux. It exists to provide a free enterprise class computing platform and strives to maintain 100% binary compatibility with its upstream distribution. CentOS stands for "Community ENTERprise Operating System". CentOS is the perfect server for people who need an enterprise class operating system stability without the cost of certification and support and pocket burning baggage that comes with proprietary software. And the beauty is CentOS is free. Finally, we end with Ubuntu 14.04 LTS Server which transformed the IT environments worldwide. Realize the full potential of your infrastructure with a reliable, easy-to-integrate technology platform. It's the leading platform for scale-out computing, Ubuntu Server helps you make the most of your infrastructure. Whether you want to deploy an OpenStack cloud, a Hadoop cluster or a 50,000-node render farm, Ubuntu Server delivers the best value scale-out performance available. It's an excellent book for those who still use or have fond memory of these three industry standard distros.

> Covers Red Hat Enterprise Linux 8 > Covers ALL official exam objectives for the RHCSA exam based on Red Hat Enterprise Linux 8 > Equally good for self-study and in-class training > 81 Step-by-Step exercises > 70 Do-It-Yourself Challenge Labs > 375 Check Your Understanding Questions & Answers > Concepts explained with diagrams > Commands and options summarized in tables > Exam tips included > 4 Unique Sample RHCSA Exams This book has 21 chapters that are organized logically. It covers the topics on local RHEL 8 installation; initial interaction with the system and basic commands; compression and archiving; file editing and manipulation; standard and special permissions; file searching and access controls; user monitoring and authentication files; users, groups, and password aging; bash shell features and startup files; processes and task scheduling; basic and advanced software administration techniques; system boot process and bootloader; kernel management and system initialization; logging and system tuning; basic and advanced storage management tools and solutions; local and remote file systems and swap regions; network device and connection configuration; time synchronization and hostname resolution; the secure shell service; and firewall and SELinux controls. Each chapter highlights the major topics and relevant exam objectives at the beginning, and ends with review questions & answers and Do-It-Yourself challenge labs. Throughout the book, figures, tables, screen shots, examples, and exam tips have been furnished to support explanation and exam preparation. This book includes four sample exams for RHCSA, which are expected to be done using the knowledge and skills attained from reading the material and practicing the exercises and challenge labs. The labs and the sample exams include references to relevant topics and/or exercises.

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.

Practical Guide Server Administration Red Hat Enterprise Linux 6.5

Red Hat Linux Networking and System Administration

Red Hat Enterprise Linux 6.4 RH413 : Student Workbook

Setting Up a Red Hat Enterprise Linux Server

RHCSA Red Hat Enterprise Linux 8 (UPDATED)

Today, the Open Source IT community is growing more comfortable with the open-source development model, reporting that open source will dominate as their Web server application platform and server operating system over the next five years. Red Hat Enterprise Linux 6 Server Installation and Administration is an excellent hands-on training manual for budding open-source infrastructure designers: It covers Red Hat 6 and its family distros: CentOS-6, OpenSUSE, Mandriva Enterprise Server 5, and Fedora 14. Chapter II takes you through the installation and administration of RHEL6. In Chapter III, you'll be taken through the installation and maintenance of CentOS-6 server. Chapter IV covers a step-by-step installation, configuration and administration of OpenSUSE 11.3 server. In Chapter V you'll learn how to install Fedora 14 server including installation and configuration of 389 Directory (LDAP) server and Sendmail. Finally, you'll be taken through a hands-on training on how to implement network security to protect your corporate using Astaro Security Gateway firewall.

A guide for intermediate to advanced users highlights the latest Linux kernel and updated libraries while offering expert advice on installation, configuration, programming, administration, and networking

Describes how to install, configure, and manage Red Hat Linux X operating system. This book has sections that focus on the different ways Red Hat presents its distribution - as a desktop workstation, network workstation, server, and development platform.

The definitive guide to administering a Red Hat EnterpriseLinux 6 network Linux professionals who need a go-to guide on version 6 of RedHat Enterprise Linux (RHEL) will find what they need in thiscomprehensive Sybex book. It covers RHEL administration in detail,including how to set up and manage web and mail services, use RHELin enterprise environments, secure it, optimize storage, configurefor virtualization and high availability, and much more. It also provides a great study aid for those preparing for either the RHCSAor RHCE certification exam. Red Hat is the Linux market leader, and Red Hat administratorsare in demand This Sybex guide is a comprehensive resource on Red HatEnterprise Linux administration and useful for those preparing forone of the Red Hat certification exams Covers setting up and managing web and mail services, usingRHEL in enterprise environments, securing RHEL, and optimizingstorage to fit your environment Explores advanced RHEL configurations, including virtualizationand high availability Red Hat Enterprise Linux 6 Administration is the guideLinux professionals and Red Hat administrators need to stay currenton the newest version.

Red Hat Enterprise Linux Administration Unleashed

Red Hat Enterprise Linux (Rhel) 7 Server Installation and Administration

RHCSA Red Hat Enterprise Linux 8:

The Virtualization Cookbook for IBM Z Volume 2: Red Hat Enterprise Linux 8.2

Real World Skills for Red Hat Administrators

RHCSA & RHCE Red Hat Enterprise Linux 7: Training and Exam Preparation Guide (EX200 and EX300), Third Edition

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.

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 SE Linux; and accessing network storage

Red Hat Enterprise Linux' ('RHEL') is a Linux dispersion elaborated by Red Hat and earmarked towards the commercial trade. Red Hat Enterprise Linux is disseminated within server adaptations for x86, x86-64, Itanium, PowerPC and IBM System Z, and desk-top adaptations for x86 and x86-64. All of Red Hat's formal aid and instruction and the Red Hat Certification Program hubs about the Red Hat Enterprise Linux program. Red Hat Enterprise Linux is frequently shortened to RHEL, though this is not an formal naming. There has never been a Red Hat Enterprise Linux Guide like this. It contains 194 answers, much more than you can imagine; comprehensive answers and extensive details and

references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about Red Hat Enterprise Linux. A quick look inside of some of the subjects covered: Logical Volume Manager (Linux), ClearOS, Fedora (operating system) - History, Physical Address Extension - Linux, RedSleeve, LAMP (software bundle) - Linux, RPM Package Manager - Local operations, VMware ESXi - Linux dependencies, RPM Package Manager - Front ends, Sun Secure Global Desktop - Features, Kernel-based Virtual Machine - Implementations, Linux distribution - Popular distributions, Virtual Machine Manager - Documentation, Linux on Power - PowerLinux Solution Editions, Red Hat Linux, HP Integrity Virtual Machines - History, Anaconda (installer), Upstart - Adoption, Red Hat Cluster Suite - Support and product life-cycle, Package format - Examples, Payment Card Industry Data Security Standard - Articles on PCI compliance using Linux, Amazon EC2 - Amazon Linux AMI, Ubuntu Linux - Variants, CPanel, HP Superdome, Enlight cloud - Guest operating systems, Red Hat Enterprise Linux derivatives - Features, Solaris Containers - Branded zones, and much more...

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

Mastering Red Hat Enterprise Linux 3

Mastering Linux Servers

Fedora 11 and Red Hat Enterprise Linux Bible

Red Hat Enterprise Linux 8 Essentials

Red Hat Enterprise Linux 8 Administration

Update Your Red Hat Skills

This book examines Red Hat Enterprise Linux 7 for the desktop user and administrator. The focus here is on what users face when using Red Hat Enterprise Linux 7, covering topics like applications, the GNOME and KDE desktops, shell commands, and the administration and network tools.

Training Manual: Covering CentOS-7 server installation & administration, Cloud Computing with ownCloud and Seafile cloud storage, Bind9 DNS server installation & administration, Fedora 23 server installation & administration, Virtualization technology and Astaro firewall network security. An excellent training manual for Linux network & system administrators, and infrastructure designers and developers.

This IBM® Redbooks® publication is Volume 2 of a five-volume series of books entitled The Virtualization Cookbook for IBM Z®. This volume includes the following chapters: Chapter 1, "Installing Red Hat Enterprise Linux on LNXADMIN" on page 3, describes how to install and configure Red Hat Enterprise Linux onto the Linux Administration server, which performs the cloning and other tasks. Chapter 2, "Automated Red Hat Enterprise Linux installations by using Kickstart" on page 37, describes how to use Red Hat's kickstart tool to create Linux systems. This tool is fundamentally different from cloning in that an automated installation is implemented. You can try kickstart and cloning. Understand that these applications attempt to accomplish the same goal of quickly getting Linux systems up and running, and that you do not need to use both. Chapter 3, "Working with subscription-manager, yum, and DaNdiFied" on page 47, describes how the Red Hat Network works. It provides centralized management and provisioning for multiple Red Hat Enterprise Linux systems. Kickstart is an easy and fast way to provision your Linux guests in any supported Linux platform. It re-creates the operating system from the beginning by using the kickstart profile configuration file that installs the new operating system unattended. It also sets up the new guest according to the definition that was set up in the kickstart file. Usually, Linux is administered by the same team that manages Linux on all platforms. By using kickstart, you can create a basic profile that can be used in all supported platforms and customize Linux profiles, as needed. Cloning requires a better understanding of the z/VM environment and z/VM skills. It is a fast process if you enable the IBM FlashCopy® feature in advance. It clones the disks from a golden image to new disks that are used by the new Linux guest. The process can be automated by using the cloning scripts that are supplied with this book. It is recommended that you start with The Virtualization Cookbook for IBM Z Volume 1: IBM z/VM 7.2, SG24-8147 of this series because the IBM® z/VM hypervisor is the foundation (or base "layer") for installing Linux on IBM Z.

Highlights: > Updated to the latest version of Red Hat Enterprise Linux 7 > Updated to cover ALL official exam objectives for the RHCSA and RHCE exams based on Red Hat Enterprise Linux 7 > Equally good for self-study and in-class training > Step-by-step exercises to accomplish tasks > Do-It-Yourself challenge labs at the end of each chapter > Concepts explained with diagrams > Commands and options summarized in tables > Exam tips included > FOUR scenario-based sample exams (TWO for RHCSA and TWO for RHCE) > TWENTY-FIVE chapters (THIRTEEN for RHCSA and TWELVE for RHCE) > Separate sections on RHCSA and RHCE RHCSA Section (chapters 1 to 13): covers local and network (automated with kickstart) RHEL7 installations, general Linux concepts and basic tools, compression and archiving, text file editing, file manipulation and security, processes and task scheduling, bash shell features, software package administration, yum repository configuration, host virtualization, virtual machines, system boot, kernel management, system initialization and service management with systemd, local logging, users and groups, LVM and file systems, AutoFS, Swap, ACLs, firewall, SELinux, network interfaces, NTP/LDAP clients, SSH, and TCP Wrappers. RHCE Section (chapters 14 to 25): covers shell scripting, interface bonding and teaming, IPv6 and routing configuration, NTP, firewalld, Kerberos authentication, kernel tuning, resource utilization reporting, network logging, block storage sharing with iSCSI, file sharing with NFS and Samba/CIFS, HTTP/HTTPS web servers and virtual hosting, Postfix mail SMTP, DNS, and MariaDB. Each chapter lists major topics and relevant exam objectives in the beginning and ends with a summary followed by review questions/answers and Do-It-Yourself challenge labs.

Red Hat Enterprise Linux 194 Success Secrets - 194 Most Asked Questions on Red Hat Enterprise Linux - What You

Need to Know

Training and Exam Preparation Guide (EX200), First Edition

Learn to Install, Administer and Deploy RHEL 8 Systems

Master Linux administration skills and prepare for the RHCSA certification exam

Red Hat Enterprise Linux (RHEL) 7 New Features

Red Hat Enterprise Linux Server Cookbook

"I have found this book to be a very useful classroom text, as well as a great Linux resource. It teaches Linux using a ground-up approach that gives students the chance to progress with their skills and grow into the Linux world. I have often pointed to this book when asked to recommend a solid Linux reference." -Eric Hartwell, Chair, School of Information Technology, ITT Technical Institute

The #1 Fedora and RHEL resource--a tutorial AND on-the-job reference Master Linux administration and security using GUI-based tools, the command line, and Perl scripts Set up key Internet servers, step by step, including Samba, Apache, sendmail, DNS, LDAP, FTP, and more Master All the Techniques You Need to Succeed with Fedora(tm) and Red Hat® Enterprise Linux® In this 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! 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.

Provides just what administrators need to configure, manage, maintain, and upgrade a Red Hat

Enterprise Linux (RHEL) system Red Hat is the most popular Linux distribution, with 70 percent of the U.S. market; RHEL subscriptions climbed to 87,000 during the quarter ending February 2004-up 85 percent Covers all four RHEL versions-Desktop, Workstation, Enterprise Server, and Application Server Delivers the lowdown on the X Window System, printer configuration, Samba, Internet server set up, administration of users and groups, backups and file restoration, and security

Red Hat RHCE®/RHCSA(tm) 7 Cert Guide has a single goal: to help you pass the newest versions of Red Hat's RHCE and RHCSA exams for Red Hat Enterprise Linux 7. The most comprehensive and time-efficient RHCE 7 / RHCSA 7 prep guide available, it's an extraordinarily cost-effective alternative to expensive training. Authored by a leading Red Hat trainer, consultant, and speaker, it presents focused, straight-to-the-point coverage of every exam topic. Coverage includes: RHCSA: RHEL 7 Server installation, tools, file/folder management, text files, connectivity, users/groups, permissions, networking, processes, VMs, software installation, tasks, logging, partitions, LVMs, kernel management, Kickstart, boot procedures/troubleshooting, HTTP, SELinux, firewalls, FTP, and NTP RHCE: Connecting to iSCSI SANs, performance reporting, server optimization, log servers, routing configuration, authentication, command-line firewall management, SELinux services, web services, DNS, FTP, NFS, SMB, SMTP, SSH, and NTP From start to finish, this guide is organized to help you focus your study time where you need the most help, so you can retain more, and earn higher scores. It offers: Step-by-step chapter labs to help you practice what you've just learned Pre-exam theoretical exam to help you decide if you're ready for the real exam Four realistic sample exams (2 RHCE, 2 RHCSA) delivered through Pearson's state-of-the-art PCPT test engine Pre-chapter "Do I Know This Already" (DIKTA) quizzes to assess your knowledge of each chapter's content, so you can decide how much time to spend on each section Foundation Topics sections thoroughly explaining concepts and theory, and linking them to real-world configurations and commands Key Topics icons flagging every figure, table, or list you absolutely must understand and remember End of chapter Glossary terms Chapter-ending Exam Preparation sections delivering even more exercises and troubleshooting scenarios Note: This guide is an ideal printed complement for those studying with our brand-new RHCSA Complete Video Course or RHCE Complete Video Course.

Red Hat

Red Hat RHCSA 8 Cert Guide

Professional Red Hat Enterprise Linux 3

Red Hat Enterprise Linux Troubleshooting Guide

Red Hat Enterprise Linux 6 Administration

Red Hat Enterprise Linux 7 (Ex200 and Ex300)

This book talks about a quick guide to become Linux System Administrator using Red Hat Enterprise Linux Server, a Linux distro made by Red Hat, Inc. This book talks Linux discussions from basic to intermediate & completed with two case studies. This book has 7 chapter, there are: Chapter 1: Red Hat Enterprise Linux 6.5 64 Bit Installation Chapter 2: Linux Directory, Commands & Basic System Administration Chapter 3: Software Management Chapter 4: Linux Computer Network Chapter 5: Building Web Server, Repository Server & Database Server Chapter 6: Case Study 1: Proxy Server Monitoring Chapter 7: Case Study 2: System Monitoring

HIGHLIGHTS > Covers ALL Latest Official Exam Objectives for RHCSA 8 including Containers and Shell Scripting > Great for Self-Study and In-Class/Virtual Training > 108 Real-Life Step-By-Step Exercises and Shell Scripts > 80 Do-It-Yourself Challenge Labs > 408 Review Questions & Answers > 4 Realistic Sample RHCSA Exams (23 tasks per exam) RHCSA Red Hat Enterprise Linux 8 (UPDATED): Training and Exam Preparation Guide, Second Edition provides in-depth coverage of the latest RHCSA EX200 exam objectives that include Shell Scripting and Containers. The most definitive guide available on the subject, this book explains concepts, analyzes configuration files, describes command outputs, shows step-by-step procedures (includes screenshots of actual commands executed and outputs they produced), and challenges the readers' comprehension of the concepts and procedures by presenting plenty of additional labs and sample realistic exam tasks to perform on their own. This book has 23 chapters that are organized logically, from setting up the lab to the fundamentals of Linux to sophisticated Linux administration topics. The book covers the topics on local RHEL 8 installation; initial interaction with the system; basic Linux commands; compression and archiving; file editing and manipulation; standard and special permissions; file searching and access controls; user monitoring and authentication files; users, groups, and password aging; bash shell features and startup files; processes and task scheduling; basic and advanced software administration techniques; system boot process and bootloader; kernel management and system initialization; logging and system tuning; basic and advanced storage management tools and solutions; local file systems and swap regions; network device and connection configuration; remote file systems and automounting; time synchronization and hostname resolution; the secure shell service; firewall and SELinux controls; and shell scripting and containers. Each chapter highlights the major topics and relevant exam objectives at the beginning and ends with several review questions & answers and Do-It-Yourself challenge labs. Throughout the book, figures, tables, screen shots, examples, notes, and exam tips are furnished to support explanation and exam preparation. This book includes four sample RHCSA exams that are expected to be performed using the knowledge and skills attained from reading the material, following the exercises, and completing the challenge labs. The labs and the sample exams include hints to relevant topics and/or exercises. This book may be used as a self-learning guide by RHCSA 8 exam aspirants, a resource by instructors and students to follow in physical and virtual training sessions, an on-the-job resource for reference, and an easy-to-understand guide by novice and non-RHEL administrators.

As a market-leading, free, open-source Linux operating system (OS), Fedora 10 is implemented in Red Hat Enterprise Linux and serves as an excellent OS for those who want more frequent updates. Bestselling author Christopher Negus offers an ideal companion resource for both new and advanced Linux users. He presents clear, thorough instructions so you can learn how to make Linux installation simple and painless, take advantage of the desktop interface, and use the Linux shell, file system, and text editor. He also describes key system administration skills, including setting up users, automating system tasks, backing up and restoring files, and understanding the latest security issues and threats. Included is both a DVD distribution of Fedora Linux 10 and a bootable Fedora LiveCD. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

This comprehensive guide can help you administer Red Hat Enterprise Linux 5 effectively in any production environment, no matter how

complex or challenging. Long-time Red Hat insider Tammy Fox brings together today ' s best practices for the entire system lifecycle, from planning and deployment through maintenance and troubleshooting. Fox shows how to maximize your efficiency and effectiveness by automating day-to-day maintenance through scripting, deploying security updates via Red Hat Network, implementing central identity management services, and providing shared data with NFS and Samba. Red Hat Enterprise Linux 5 Administration Unleashed contains extensive coverage of network and web services, from the Apache HTTP server and Sendmail email services to remote login with OpenSSH. Fox also describes Red Hat ' s most valuable tools for monitoring and optimization and presents thorough coverage of security—including a detailed introduction to Security-Enhanced Linux (SELinux).

Red Hat Enterprise Linux 6 Essentials

Training Manual: Covering Centos-7 Server, Cloud Computing, Bind9 DNS Server and Fedora 23 Server

Learning Red Hat Linux

Cloud Deployments Made Easy

Desktops and Administration

Linux Bible

Starts with the basics of Red Hat, the leading Linux distribution in the U.S., such as network planning and Red Hat installation and configuration Offers a close look at the new Red Hat Enterprise Linux 4 and Fedora Core 4 releases New chapters cover configuring a database server, creating a VNC server, monitoring performance, providing Web services, exploring SELinux security basics, and exploring desktops Demonstrates how to maximize the use of Red Hat Network, upgrade and customize the kernel, install and upgrade software packages, and back up and restore the file system The four CDs contain the full Fedora Core 4 distribution

Develop the skill to manage and administer Red Hat Enterprise Linux and get ready to achieve the RHCSA certification Key Features Learn the most common administration and security tasks and manage enterprise Linux infrastructures efficiently Assess your knowledge using self-assessment questions based on real-world examples Understand how to apply the concepts of core systems administration in the real world Book Description Whether in infrastructure or development, as a DevOps or site reliability engineer, Linux skills are now more relevant than ever for any IT job, forming the foundation of understanding the most basic layer of your architecture. With Red Hat Enterprise Linux (RHEL) becoming the most popular choice for enterprises worldwide, achieving the Red Hat Certified System Administrator (RHCSA) certification will validate your Linux skills to install, configure, and troubleshoot applications and services on RHEL systems. Complete with easy-to-follow tutorial-style content, self-assessment questions, tips, best practices, and practical exercises with detailed solutions, this book covers essential RHEL commands, user and group management, software management, networking fundamentals, and much more. You'll start by learning how to create an RHEL 8 virtual machine and get to grips with essential Linux commands. You'll then understand how to manage users and groups on an RHEL 8 system, install software packages, and configure your network interfaces and firewall. As you advance, the book will help you explore disk partitioning, LVM configuration, Stratis volumes, disk compression with VDO, and container management with Podman, Buildah, and Skopeo. By the end of this book, you'll have covered everything included in the RHCSA EX200 certification and be able to use this book as a handy, on-the-job desktop reference guide. This book and its contents are solely the work of Miguel Perez Colino, Pablo Iranzo Gomez, and Scott McCarty. The content does not reflect the views of their employer (Red Hat Inc.). This work has no connection to Red Hat, Inc. and is not endorsed or supported by Red Hat, Inc. What you will learn Deploy RHEL 8 in different footprints, from bare metal and virtualized to the cloud Manage users and software on local and remote systems at scale Discover how to secure a system with SELinux, OpenSCAP, and firewalld Gain an overview of storage components with LVM, Stratis, and VDO Master remote administration with passwordless SSH and tunnels Monitor your systems for resource usage and take actions to fix issues Understand the boot process, performance optimizations, and containers Who this book is for This book is for IT professionals or students who want to start a career in Linux administration and anyone who wants to take the RHCSA 8 certification exam. Basic knowledge of Linux and familiarity with the Linux command-line is necessary.

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 kick-start 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.

For many organizations, a big part of DevOps' appeal is software automation using infrastructure-as-code techniques. This book presents developers, architects, and infra-ops engineers with a more practical option. You'll learn how a container-centric approach from OpenShift, Red Hat's cloud-based PaaS, can help your team deliver quality software through a self-service view of IT infrastructure. Three OpenShift experts at Red Hat explain how to configure Docker application containers and the Kubernetes cluster manager with OpenShift's developer- and operational-centric tools. Discover how this infrastructure-agnostic container management platform can help companies navigate the murky area where infrastructure-as-code ends and application automation begins. Get an application-centric view of automation—and understand why it's important Learn patterns and practical examples for managing continuous deployments such as rolling, A/B, blue-green, and canary Implement continuous integration pipelines with OpenShift's Jenkins capability Explore mechanisms for separating and managing configuration from static runtime software Learn how to use and customize OpenShift's source-to-image capability Delve into management and operational considerations when working with OpenShift-based application workloads Install a self-contained local version of the OpenShift environment on your computer

Red Hat Rhce/Rhcsa 7 Cert Guide

Training Manual: Covering Centos-7 Server, Fedora 23 Server, Mandriva Enterprise Server, Opensuse 13.2, Open Monograph Press, & Astaro Firewall

Training and Exam Preparation Guide (EX200 and EX300)

Red Hat Server Hardening

Red Hat Enterprise Linux Rhel 7 Server Installation and Administration

Rhel6 - Centos 6 - Ubuntu 14.04 Lts

Training Manual: Covering CentOS-7 Server, Fedora 23 Server, Mandriva Enterprise Server, OpenSUSE 13.2, Open Monograph Press, & Astaro Firewall. An excellent training manual for Linux network & system administrators, and infrastructure designers and developers.

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.

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 tcpdump for traffic analysis Repair a degraded file system and rebuild a software raid Identify and 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 & 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.

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

Red Hat RHCSA/RHCE 7 Cert Guide

The Complete Reference : Enterprise Linux & Fedora Edition
EX200

Red Hat Enterprise Linux 7: Desktops and Administration

Training and Exam Preparation Guide (EX200), Second Edition

Fedora 10 and Red Hat Enterprise Linux Bible

Description Red Hat Enterprise Linux (RHEL) 7 New Features LiveLessons lets you update your Red Hat Skills! In this unique video product, expert Red Hat Certified Instructor and author Sander van Vugt features what's new in Red Hat Enterprise Linux version 7. Detailing what's new, revised, and improved so you can update your skills quickly and easily. This course was created for experienced Linux administrators and focuses on new features only. Major topics include: Installing Red Hat Enterprise Linux Server Configuring Networking Managing Systemd services Integrating journald and rsyslog logging Understanding GRUB2 Managing the XFS and btrfs file system Troubleshooting RHEL 7 boot problems Configuring a firewall with firewalld Managing DNS Managing Time Synchronization About the Instructor Sander van Vugt is an independent Linux trainer, author and consultant living in the Netherlands. Sander has written numerous books about different Linux related topics, and many articles for Linux publications around the world. Sander has been teaching Red Hat, SUSE and LPI Linux classes since 1994. As a consultant he is specialized in Linux High Availability solutions and Performance Optimization. More information about Sander is on his website at www.sandervanvugt.com . Skill Level Intermediate to advanced What You Will Learn Provides an easy-to-use and cost effective means to update skills to RHEL 7 Provides multimedia tutorials that users can apply to real world scenarios Who Should Take This Course Primary audience Skilled Linux administrators that either already have a lot of experience with previous versions of Red Hat Enterprise Linux, or are holding a current RHCSA or RHCE certificate on previous versions of Red Hat (estimate approximately 100,000 certified professionals worldwide). Because the changes between RHEL 6 and RHEL 7, even skilled professionals will need information on how to use these new features. Secondary audience Those working towards an RHCE certificate, particularly if their RHCSA certificate was on RHEL 6. Table of Contents Lesson 1: Installing Red Hat Enterprise Linux 7 Learning Objectives 1.1 System Requirements 1.2 Performing an Advanced RHEL Server Installation Lesson 2: Managing Systemd Services Learning Objectives 2.1 Understanding Units 2.2 Understanding Systemd Targets 2.3 Managing Services in Systemd 2.4 Understanding Cgroups 2.5 Mounting File Systems Through Systemd 2.6 Managing Automount Through Systemd Lesson 3: Co...

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 Enterprise Linux 7

A Practical Guide to Fedora and Red Hat Enterprise Linux

Training Manual:RHLE7, CentOS-7, Ubuntu 14. 04LTS, Also Covering Fedora 23 Server, Mandriva Enterprise Server, OpenSUSE 13. 2, Ubuntu 16. 04 LTS, Debian 13

Red Hat Enterprise Linux (Rhel) 6 Server Installation & Administration

Fedora 8 and Red Hat Enterprise Linux Bible

Red Hat Enterprise Linux 7 (EX200 and EX300)