

Red Hat System Administration Study Guide

This course provides a detailed review of the information and skills you need to successfully pass the RHCE (Red Hat Certified Engineer) certification exam. Because the course is highly focused on RHCE's testable topics, this should reduce the time needed to prepare for the exam. It's designed for experienced Linux systems administrators who have already passed the RHCSA (Red Hat Certified System Administrator) exam and is taught by two former Red Hat Certified Instructors and Examiners. Not only will this course prepare you for the RHCE exam, it should improve your advanced system administration skills, boost your value to your employer, and make you more marketable in the job market. Review all of the information and skills required to pass the RHCE exam

Focuses specifically on the RHCE's testable topics
Taught by former Red Hat Certified Examiners
Covers required topics in Linux essentials, administration, networking, and security
Provides expert advice on the best strategies and tactics to use to pass the exam

William "Bo" Rothwell and Keith Wright are professional trainers, each with more than 20+ years of teaching experience working for companies such as One Course Source and New Horizons. Keith and

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Bo hold RHCE and RHCI certifications and both were Red Hat Certified Examiners for many years. In addition to teaching, Keith and Bo are seasoned developers who work with platforms ranging from Android and Perl to Python and Tcl.

Teaches you how and what to study in order to be best prepared for the Certified OpenStack Administrator exam. This fast-growing technology is creating a market that needs more qualified IT specialists with proven skills. This book covers 100% of the exam requirements for both The OpenStack Foundation and the Mirantis OpenStack Certification Exam. Each theme is taught using practical exercises and instructions for the command line and for the graphical client (Horizon). Each chapter is followed by review questions, complete with answers. Even after you have taken and passed your OpenStack exam, this book will remain a useful reference. What You Will Learn Understand the components that make up the cloud. Install and make an OpenStack distribution from Mirantis, Red Hat or another community version. Work with OpenStack Identity Management, Dashboard, CLI, Object Storage, Block Storage, Networking, Telemetry, Orchestration, and Image Services. Learn how to troubleshoot all the main OpenStack services. Understand where to find information for future work with OpenStack. Who This Book Is For Certified OpenStack Administrator Study Guide is for

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Cloud and Linux engineers looking for a better understanding of how to work with the modern OpenStack IaaS Cloud, and wants to prove their knowledge by passing a Certified OpenStack Administrator Exam.

"Red Hat Certified System Administrator (RHCSA) Complete Video Course is an engaging self-paced video training solution that provides learners with over 16 hours of personal, visual instruction from an expert trainer with over 20 years of practical Linux teaching experience. Through the use of topic-focused instructional videos you will gain an in-depth understanding of the Red Hat Certified Administrator (RHCSA) exam as well as a deeper understanding of Red Hat Enterprise Linux so you master the key foundational principles of systems administration. Included with the product are dynamic and interactive hands-on exercises and quizzes so you can test your knowledge while you study. The course includes 100% coverage of exam objectives, hands-on exercises included with each lesson so you can practice what you learned in a real CLI environment."--Resource description page.

"Now with virtual machines and fully updated for RHEL 7.3, Red Hat Certified System Administrator (RHCSA) Complete Video Course with Virtual Machines, Second Edition gives you everything you need to prepare for and pass the RHCSA exam. This engaging self-paced video training solution provides

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learners with 15 hours of personal visual instruction from an expert trainer with more than 20 years of practical Linux teaching experience. Through the use of topic-focused instructional videos you will gain an in-depth understanding of all topics on the Red Hat Certified Administrator (RHCSA) exam as well as a deeper understanding of Red Hat Enterprise Linux so you master the key foundational principles of systems administration. The combination of video, labs, and virtual machines is a unique offering that gives you a full toolkit to learn and excel on your exam."--Resource description page.

Red Hat Certified System Administrator and Engineer (RHCSA / RHCE) RHEL 6 Endeavor Technologies Inc.

This is the second edition of the training course produced as a VTC.

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

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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

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scripting Managing network services: Configuring SSH, firewalls, and time services; managing Apache HTTP services and SELinux; and accessing network storage

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 chapters, 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

Don't Let the Real Test Be Your First Test! RHCSA/RHCE

Red Hat Linux Certification Practice Exams with Virtual

Machines (Exams EX200 & EX300) features 100+ hands-on labs, four complete practice exams, and three virtual

machines. To help you understand the material, the labs and practice exams are accompanied by in-depth answer

explanations. This practical guide covers all official objectives for Exams EX200 and EX300 and is the perfect companion to

RHCSA/RHCE Red Hat Linux Certification Study Guide, Sixth Edition. Covers all exam topics, including: Virtual Machines

and Automated Installations • Fundamental Command Line

Skills • RHCSA-Level Security Options • The Boot Process •

Linux Filesystem Administration • Package Management •

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User Administration • RHCSA-Level System Administration Tasks • Security • System Services and SELinux • RHCE Administrative Tasks • Electronic Mail Servers • The Apache Web Server • The Samba File Server • More File-Sharing Services • Administrative Services: DNS, FTP, and Logging Includes three virtual machines preloaded with: Two RHCSA practice exams Two RHCE practice exams 100+ hands-on labs In order to take advantage of the virtual machines that accompany this book you will need a 64-bit system with hardware virtualization enabled as well as RHEL 6 or its equivalent.

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

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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

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 Linux Certification Study Guide, 7th Edition is fully revised to cover

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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 RHSCA 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

"This VTC course will provide students with the knowledge and skills to take and pass the Red Hat Certified System Administrator exam. This course focuses on deploying, administrating, and securing a Red Hat Enterprise Linux 6 system. RHCE author, Kenneth Armstrong, teaches the Red Hat exam objectives while providing examples and real world scenarios essential for an exam candidate to succeed. Get your exam preparation under way today by clicking on the movie links below. To begin learning today, simply click on the movie links."--Resource description page.

For courses in Linux. See it, hear it, do it! Don't just read about Linux system administration: watch and listen as an expert walks you through key Red Hat Linux tasks. This comprehensive package includes the world's #1 Linux training CD-ROM plus the best-selling Red Hat Linux System

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Administration Handbook-together, it's the fastest, easiest way to master the skills every Red Hat sysadmin must know. Includes Red Hat Linux System Administration Handbook. Start-to-finish, 400-page guide to Linux system administration, covering every issue and technique you need to know. Your expert instructor is Mark F. Komarinski-a Red Hat Certified Engineer, columnist for LinuxWorld, and Linux Documentation Project HOWTO author. Great techniques for automating administration, improving uptime, configuring hardware, and more. BONUS! Electronic book on CD-ROM. The help you need-anytime, anywhere! BONUS: NETSCAPE COMMUNICATOR INCLUDED! You get versions of Netscape Communicator for Linux and Windows: comprehensive, state-of-the-art tools for integrating browsing, email, publishing, chat, and enterprise scheduling, to allow all your users to easily communicate, share, and access information! 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

IT Certification Success Exam Cram 2 provides you with a detailed explanation of the certification arena from Ed Tittel, one of the most respected figures in the industry. The book explains the various certification programs, their prerequisites, what can be done with them, and where you might want to go next. Readers preparing for a certification

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exam find the best-selling Exam Cram 2 series to be the smartest, most efficient way to become certified. This book focuses exactly on what you need to know to get certified now!

Study the material in this book to prepare for the RHCE exam EX294 and to learn how using Ansible within your own environment improves system administration productivity.

This book covers all of the objectives of the exam and extends further, ensuring that you know how to use Ansible to manage Linux. The book uses CentOS, a Red Hat-based distribution, and Ubuntu instead of using a single Red Hat distribution. By using the two distributions, you will understand the power of Ansible and how easily you can deal with multiple platforms, which is crucial for your

understanding of Ansible in the real world. The book assumes no previous knowledge of Ansible but some knowledge of Linux system administration from the command line. You will learn how to manage Linux systems that are installed with different distributions, including CentOS Enterprise Linux 8 and Ubuntu 18.04. You will be able to manage these systems using ad hoc commands from the command line as well as creating Ansible playbooks that can be replayed reliably many times. To save on the code that you have to create, you will

learn how to use Ansible Galaxy to search for and download roles and collections that are pre-written to manage elements of your Linux installations. By the end of this book, you will be able to write efficient and effective YAML playbooks to manage your entire estate. What You Will Learn Prepare systems so that password-less access can be used with Ansible remotely Use ad hoc commands to quickly configure systems Use and format YAML files correctly Create playbooks that grow in their complexity as your experience develops Ensure that services are restarted on configuration changes Who This Book Is For Those who want to prepare

changes Who This Book Is For Those who want to prepare

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for the RHCE exam EX294 and readers who want to learn how to use Ansible to improve the productivity of their system administration. This book will help you prepare yourself for the exam as well as your real-life administration needs.

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 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 RHSCA and two for RHCE A proven study system for RHCSA and RHCE candidates.

- This is the latest practice test to pass the RedHat EX200 Red Hat Certified System Administrator (RHCSA) Exam. - It contains 111 Questions and Answers. - All the

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questions are 100% valid and stable. - You can reply on this practice test to pass the exam with a good mark and in the first attempt.

The Best Fully Integrated Study System Available With hundreds of practice questions and hands-on exercises, RHCE Red Hat Certified Engineer Linux Study Guide, Fifth Edition covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of all objectives for exam RH302 Exam Readiness Checklist at the front of the book--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 Real-world exercises modeled after hands-on exam scenarios Two complete lab-based exams simulate the format, tone, topics, and difficulty of the real exam Bonus content (available for download) includes installation screen review, basic instructions for using VMware and Xen as testbeds, and paper and pencil versions of the lab exams Covers all RH302 exam topics, including: Hardware installation and configuration The boot process Linux filesystem administration Package management and Kickstart User and group administration System administration tools Kernel services and configuration Apache and Squid Network file sharing services (NFS, FTP, and Samba) Domain Name System (DNS) E-mail (servers and clients) Extended Internet Services Daemon (xinetd), the Secure package, and DHCP The X Window System Firewalls, SELinux, and troubleshooting The highly respected RHCE certification from Red Hat, Inc. indicates that the person has passed a realistic

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performance-based lab exam that tests his or her ability to install and configure Red Hat Linux, configure basic networking and file systems for a network, configure the X Window System, perform essential Red Hat Linux system administration, configure basic security for a network server, and carry out server diagnostics and troubleshooting. Red Hat recently updated the RHCE program for Red Hat Enterprise Linux, version 9.0. Previous edition ISBN: 0782127932.

Video training detailing common exam traps, pitfalls, and difficulties. The author also walks you through a complete practice exam in real time, so you can experience what it's like to take the test before you ever walk into the testing facility. Description Red Hat Certified System Administrator (RHCSA) Exam Prep Workshop contains hours of deep-dive training on common RHCSA exam traps, pitfalls, and difficulties. Sander van Vugt, an experienced Red Hat instructor, trainer, and author will detail the most common mistakes people make when taking the exam, so you can avoid them in the testing facility. You will then walk through a live practice exam with the author in real time, so you can experience first-hand what it's like to take the test. The videos consist of live trainer discussions, CLI presentations and demos, and a real-time practice exam walk-through. You will also learn about the structure of the exam, what to do when you're stuck, how to approach questions and track time, and more. You can find comprehensive coverage of the RHCSA exam in the Red Hat Certified System Administrator (RHCSA) Complete Video Course and the Red Hat RHCSA/RHCE

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7 Cert Guide , both available for Pearson IT Certification. Skill Level Beginning to intermediate What You Will Learn Key concepts to avoid traps and pitfalls on the Red Hat Certified Systems Administrator (RHCSA) exam Helpful tips for taking the exam Who Should Take This Course Primary audience: Red Hat Certified Systems Administrator (RHCSA) certification candidates Secondary audience: Anyone interested in learning about Red Hat from the ground up Linux engineers who are interested in learning more about Red Hat Enterprise Linux Junior system administrators who want to deepen their skills Administrators currently administering UNIX systems and developers who write software for Linux Course Requirements The ideal target student has some preliminary Linux knowledge already, because this course focuses on Linux administration rather than on basic Linux usage. Table of Contents Module 1: Getting Ready to Take the RHCSA Exam In this module, you'll learn what to expect for the RHCSA exam and how to prepare for it in the best possible way. You'll learn about test-taking techniques, how to manage your time, what to do when you're stuck, and more. Module 2: RHCSA Traps, Pitfalls, and Difficulties In this module, some of the most difficult topics from the RHCSA exam objectives are discussed. You'll learn ab... Get the book that shows you not only what to study, but how to study. The only classroom-based integrated study system for professional certification gives you complete coverage of all objectives for the Red Hat Certified Linux Engineer exam, hundreds of practice exam questions, and hands-on exercises. The CD-ROM features full

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practice exam software with interactive tutorials and lab simulations, plus an adaptive Linux-based test engine.

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

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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.

Over 21 Hours of Video Instruction Overview Over 21 hours of training so you can pass both the Red Hat Certified System Administrator (RHCSA) and Red Hat Certified Engineer (RHCE) exams. Includes practice exam exercises so you can put your knowledge to the

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test. Description Red Hat Certified System Administrator (RHCSA) and Red Hat Certified Engineer (RHCE) Complete Video Course Library provides the opportunity to study for both the Red Hat Certified System Administrator (RHCSA) and the Red Hat Certified Engineer (RHCE) exams. This Complete Video Course Library offers more than 21 hours of personal visual instruction from an RHCSA and RHCE certified expert with more than 20 years of practical Linux teaching experience. Through the use of topic-focused instructional videos you will gain an in-depth understanding of the Red Hat Certified Administrator (RHCSA) and Red Hat Certified Engineer (RHCE) exams as well as a deeper understanding of Red Hat Enterprise Linux so you master key foundational principles. Included with the product are practice question exercises, with the instructor walking students through both the scenarios and solutions to give you the extra edge you need to excel on the exam. The course includes 100% coverage of the RHCSA and RHCE exam objectives 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 specializes in Linux High Availability solutions and Performance Optimization. More information about Sander is on his website at www.sandervanvugt.com. Skill Level Beginning to Intermediate What You Will Learn Key concepts for all

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the objectives on the Red Hat Certified Administrator (RHCSA) exam
Key concepts for all the objectives on the Red Hat Certified Engineer (RHCE) exam
Information on the new RHEL 7 exam
Who Should Take This Course
Primary Audience: Red Hat Certified Administrator (RHCSA) and Red Hat Certified Engineer (RHCE) certification candidates
Anyone wanting to get RHCSA certified
Anyone wanting to get RHCE certified
Anyone interested in learning about Red Hat from the ground up
Linux engineers who are interested in learning more about Red Hat Enterprise Linux
Junior system administrators who want to deepen their skills
Administr...

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. Take the latest editions of the challenging RHCSA and RHCE certification exams with confidence. This comprehensive self-study guide clearly explains what you need to know—and gets you fully prepared—for the RHCSA and RHCE certification exams. Written by a pair of Linux certification experts and experienced authors, this new edition has been thoroughly revised for Red Hat Enterprise Linux 8 and provides complete coverage of all exam objectives. RHCSA/RHCE Red Hat Enterprise Linux 8 Certification Study Guide, Eighth Edition (Exams EX200 & EX294) is an integrated study system based on proven pedagogy. Each chapter includes step-by-step exercises, special “Exam Watch” and “On the Job” sidebars, “Two-Minute Drills,” self-tests, and hands-on lab questions. The

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companion website contains searchable glossaries, downloadable virtual machine files, four complete lab-based practice exams (two for each exam), and 100+ lab-based exercises with answers and explanations.

Features 100+ lab-based exercises with answers and in-depth explanations Online content includes four complete lab-based practice exams—two for RHSCA and two for RHCE Written by a pair of Linux certification experts

Fully up to date with version 6 of Red Hat, this handbook gives readers everything they need to install, configure and administer Red Hay systems. Both novice and experienced system administrators can use this book to master Linux networking, file service, e-mail, security, back-ups, print sharing, Web, FTP, and much more.

RHCSA is an entry-level certification that focuses on actual competencies at system administration, including installation and configuration of a Red Hat Linux system and attaching it to a live network running network services. To achieve the RHCSA certification the student must pass EX200, a half-day hands-on lab exam. There is no prerequisite for the exam, but Red Hat recommends preparing for the exam by taking courses in Red Hat System Administration (RH124 or RH135) if one does not have previous experience. RHCSA was launched in 2002 as Red Hat Certified Technician (RHCT). As of July 2009 there were 30,000 RHCTs. In November 2010 it was renamed to RHCSA. This self-study exam preparation guide for the RHCSA certification exam contains everything you need to test yourself and pass the Exam. All Exam topics are covered

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and insider secrets, complete explanations of all RHCSA subjects, test tricks and tips, numerous highly realistic sample questions, and exercises designed to strengthen understanding of RHCSA concepts and prepare you for exam success on the first attempt are provided. Put your knowledge and experience to the test. Achieve RHCSA certification and accelerate your career. Can you imagine valuing a book so much that you send the author a "Thank You" letter? Tens of thousands of people understand why this is a worldwide best-seller. Is it the authors years of experience? The endless hours of ongoing research? The interviews with those who failed the exam, to identify gaps in their knowledge? Or is it the razor-sharp focus on making sure you don't waste a single minute of your time studying any more than you absolutely have to? Actually, it's all of the above. This book includes new exercises and sample questions never before in print. Offering numerous sample questions, critical time-saving tips plus information available nowhere else, this book will help you pass the RHCSA exam on your FIRST try. Up to speed with the theory? Buy this. Read it. And Pass the RHCSA Exam. "The performance-based Red Hat Certified Engineer Exam (EX300) tests to determine if your knowledge, skill, and ability meet those required of a senior system administrator responsible for Red Hat Enterprise Linux systems. Red Hat Certified System Administrator (RHCSA) certification is required to earn RHCE certification. This VTC course will provide specific examples that will help you prepare for the RHCE exam with RedHat. To begin learning today, simply click on the

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movie links."--Resource description page.

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

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Linux Study Guide and several other books on Linux and professional certification.

> 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,

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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 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.

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than 14 hours of training, so you can pass the Certified OpenStack Administrator Certification or the Red Hat Certified System Administrator (RHCSA) in Red Hat OpenStack exams. Fully updated to cover the new Red Hat exam. Description OpenStack Certification Complete Video Course is a unique video product that provides a solid understanding of OpenStack, so you can pass two certification exams: the Certified OpenStack Administrator exam from OpenStack Foundation and the Red Hat Certified System Administrator (RHCSA) in Red Hat OpenStack exam. In addition to helping you study for your chosen exam, this thorough video course provides in-depth insight and knowledge about OpenStack to help IT administrators, designers, and architects get practical knowledge on how to implement OpenStack-based cloud solutions. OpenStack Certification Complete Video Course contains full coverage of every objective in the OpenStack.org exam and the newly updated Red Hat System Administrator in Red Hat OpenStack exam. You also will find lab demos, whiteboard instruction, exercises, and labs to help you study for the exams and help you gain first-hand experience working in the Red Hat and OpenStack platforms. 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; he is also the author of the bestselling RHCSA LiveLessons and RHCE LiveLessons video courses. Sander has been teaching Red Hat, SUSE, and LPI Linux classes since 1994. As a consultant, he

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specializes in Linux high availability solutions and performance optimization. More information about Sander is on his website at www.sandervanvugt.com.

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Each lesson ends with a lab, so you can dive into your own projects and see Red Hat in action; many of these labs mimic scenarios you might find on the exam, so you get the experience you need to practice for the exam. These labs also include video solutions, so you can also see in real-time how to work through the problems and figure out the best methods for working through each scenario. This course includes: All new videos Whiteboard instruction to help you grasp difficult concepts CLI instruction so you can see Red Hat in action Labs so you can practice your skills, plus solution videos so you can then compare your work to the author's Topics include: Module 1: Performing Basic System Management Tasks Module 2: Operating Running Systems Module 3: Performing Advanced System Administration Tasks Module 4: Managing Network Services Module 5: Sample Exam This engaging self-paced video training solution provides learners with more than 16 hours of video instruction from an expert trainer with more than 20 years of practical Linux teaching experience. Through the use of topic-focused instructional videos, you will gain an in-depth understanding of all topics on the Red Hat Certified Administrator (RHCSA) exam, as well as a deeper understanding of Red Hat Enterprise Linux, so you master the key foundational principles of systems administration. The combination of video, labs, practice exams, and virtual machines is a unique offering that gives you a full toolkit to learn and excel on your exam. About the Instructor Sander van Vugt has been teaching Linux classes since 1995 and has written more than 60

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books about different Linux-related topics. Sander is a Red Hat C...

Based on Red Hat Enterprise Linux 6 (RHEL 6), this guide covers all official exam objectives and includes more than 100 exercises, more than 550 exam review questions, more than 70 practice labs, and two sample exams.

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Red Hat RHCE(TM) 8 Cert Guide is designed to help you pass the newest version of the Hat Certified Engineer exam for Red Hat Enterprise Linux 8, and master the skills you need to automate Linux and execute common system administration tasks with Red Hat(R) Ansible(R) Engine. The most comprehensive and time-efficient RHCE 8 prep guide available, it's also an

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extraordinarily cost-effective complement to other training, including the author's own RHCE Complete Video Course. Authored by a leading Red Hat trainer, consultant, and speaker, it presents focused, straight-to-the-point coverage of every exam topic, including:

- Performing Core Red Hat system administration tasks
- Understanding Ansible core components
- Installing and configuring Ansible control nodes
- Configuring Ansible managed nodes
- Administering scripts
- Performing system administration tasks with Ansible modules
- Working with roles
- Using advanced Ansible features such as templates and Ansible Vault

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
- Two realistic RHCE sample exams delivered through Pearson's state-of-the-art 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
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- End of chapter Glossary terms
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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

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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 Pérez Colino, Pablo Iranzo Gómez, 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.

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.

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