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Linux Patch Management Michael H. Jang 2006-01-01 Provides information and guidance on managing Linus patches and updates.
Hands-on Guide to the Red Hat Exams Damian Tommasino 2011-04-12 Master every topic on Red Hat's new RHCSA™ and RHCE® exams. Assess your knowledge and focus your learning. Get the practical workplace knowledge you need! Start-to-finish RHCSA™ and RHCE® preparation from leading Linux system administrator, IT trainer, and certification expert Damian Tommasino! Master every RHCSA™ and RHCE® topic! Red Hat Enterprise Linux 6 local and network installation System services, runlevels, and bootup Disks, partitions, and file systems, including LUKS encryption Networking Package management User administration Logging, monitoring, and automation Kernel updates and tuning Security, including SELinux, firewalls, and policies Remote access, including SSH Apache, Squid, DNS, DHCP, NTP, and email NFS and Samba Client and network troubleshooting KVM virtualization Test your knowledge, build your confidence, and succeed! 22 hands-on RHCSA™ and RHCE® Labs, each with multiple real-world tasks Downloadable troubleshooting scripts Practical tutorials and real-world tips Exam tips Red Hat Enterprise Linux 6 Command Quick Reference

Exclusive Red Hat exam prep advice and task lists Two full length lab-based practice exams Damian Tommasino (RHCE, RHCSA, MCSA, CCNA, CCENT, MCP, Security+, Network+, A+) is a Linux system administrator at TradeCard and CEO of Modular Learning Inc., an online IT training company. He blogs on Red Hat, Linux, and security at Security Nut (<http://secnut.blogspot.com>), and actively contributes to the popular IT exam certification forums at techexams.net.

RHCE Red Hat Certified Engineer Linux Study Guide (exam RH302), Fifth Edition Michael H. Jang 2005*
RHCSA/RHCE Red Hat Linux Certification Study Guide, (exams EX200 & EX300) Michael H. Jang 2016
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.

TcL Scripting for Cisco IOS Raymond Blair 2010-06-09 A guide to building and modifying Tcl scripts to automate network administration tasks Streamline Cisco network administration and save time with Tcl scripting Cisco networking professionals are under relentless pressure to accomplish more, faster, and with fewer resources. The best way to meet this challenge is to automate mundane or repetitive tasks wherever possible. In this book, three Cisco experts show you how to use Tcl scripting for Cisco IOS devices to do just that. You'll learn easy techniques for creating, using, and modifying Tcl scripts that run directly on Cisco network devices from the Cisco IOS command line. The authors first teach basic Tcl commands and concepts for capturing and manipulating data and for querying or controlling Cisco equipment. Building on these core skills, they show you how to write scripts that automate and streamline many common IOS configuration, monitoring, and problem-solving tasks. The authors walk through the entire script development process, including planning and flowcharting what you want to accomplish, formatting your code, adding comments, and troubleshooting script errors. They also present many downloadable sample scripts, along with practical guidance for adapting them to your own environment. Whatever your role in managing, monitoring, or securing Cisco IOS

networks and equipment, this book will help you get the job done more rapidly and efficiently. Automate routine administration tasks you've always performed manually Instantly collect and modify IOS router configurations and other data Write Syslog scripts to document failures, monitor network health, collect statistics, and send alarm messages Implement automated network performance measurement using IP SLA Use the Embedded Event Manager's event detectors, server, and policies to customize device operation Trigger preplanned actions to correct problems as they arise Simplify policy management using the Tcl script refresh feature Protect Tcl script security with digital signatures and PKI Understand how Tcl functions within the Cisco IOS environment Master Tcl syntax and commands through hands-on practice Learn best scripting practices through expert examples Quickly modify this book's examples for your own environment This book is part of the Networking Technology Series from Cisco Press®, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers.

Mike Meyers' Linux+ Certification Passport Michael Jang 2008-03-17 From the #1 Name in Professional Certification Get on the fast track to becoming CompTIA Linux+ certified with this affordable, portable study tool. Inside, Linux expert Michael Jang guides you on your career path, providing expert tips and sound advice along the way. With an intensive focus on only what you need to know to pass the CompTIA Linux+ exam, this certification passport is your ticket to success on exam day. Featuring: Itineraries--List of official exam objectives covered ETAs--Amount of time needed to complete each lesson Travel Advisories--Expert advice on critical topics Local Lingo--Concise definitions of key terms and concepts Exam Tips--Common exam pitfalls and solutions Checkpoints--End-of-chapter questions, answers, and explanations Career Flight Path--Career options

mapped out to maximize the return from your IT journey Practice exam on CD powered by LearnKey

Rhct Red Hat Certified Technician Linux Study Guide (exam Rh202)

Michael Jang Get the book that shows you not only what but how to study.- 100% Complete Coverage of all official objectives for exam RH202.- Exam Readiness checklist at the front of the book you re ready for the exam when all objectives on the list are checked off- Real-World Exercises Step-by-step instruction modeled after the hands on RHCT exam questions- Inside the Exam sections highlight key exam topics covered and how to answer questions correctly- Lab questions match the format, tone, topics, and difficulty of the real exam- Money-saving tips explain how you can study for the exam without buying Red Hat Enterprise Linux

RHCSA/RHCE Red Hat Linux Certification Study Guide, Seventh Edition (Exams EX200 & EX300), 7th Edition

Michael Jang 2016 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.

RHCE Red Hat Certified Engineer

Michael Jang 2002 The only classroom-based training and self-assessment system! Osborne's RHCE Red Hat Certified Engineer Linux Study Guide, Third Edition provides 100% complete coverage of all objectives for exam RH302. Based on 300,000+ hours of IT training experience, the book contains hundreds of practice exam questions and hands-on exercises. The CD-ROM features full practice exam software, an electronic book, and an additional three-part multiple choice, debugging, and installation test.

Red Hat RHCE 8 (EX294) Cert Guide

Sander van Vugt 2020-10 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 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 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

Red Hat RHCSA 8 Cert Guide Sander van Vugt 2019-11-04 This is the eBook version of the print title. Learn, prepare, and practice for Red Hat RHCSA 8 (EX200) exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master Red Hat RHCSA 8 EX200 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam-preparation tasks Practice with four unique practice tests Learn from two full hours of video training from the author's Red Hat Certified System Administrator (RHCSA) Complete Video Course, 3rd Edition. Red Hat RHCSA 8 Cert Guide is a best-of-breed exam study guide. Leading Linux consultant, author, and instructor Sander van Vugt shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail,

assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time, including Basic system management: Installation, tools, file management, text files, RHEL8 connections, user/group management, permissions, and network configuration Operating running systems: Managing software, processes, storage, and advanced storage; working with systemd; scheduling tasks; and configuring logging Advanced system administration: Managing the kernel and boot procedures, essential troubleshooting, bash shell scripting Managing network services: Configuring SSH, firewalls, and time services; managing Apache HTTP services and SE Linux; and accessing network storage

RHCSA/RHCE Red Hat Linux Certification Study Guide (Exams EX200 & EX300), 6th Edition, 6th Edition Michael Jang 2011 The best fully integrated study system available (Exams EX200 and EX300) With hundreds of review questions and complete coverage of performance-based requirements, RHCSA/RHCE Red Hat Linux Certification Study Guide, Sixth Edition covers what you need to know--and shows you how to prepare--for these challenging exams. 100% complete coverage of all official objectives for Exams EX200 and EX300 Exam Readiness Checklist-- you're ready for the exam when all objectives on the list are checked off Inside the Exam sections in every chapter highlight key exam topics covered Two-Minute Drills for quick review 100+ lab questions-- two full lab-based RHCSA exams and two full lab-based RHCE exams--match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Virtual Machines and Automated Installations * Fundamental Command Line Skills * RHCSA-Level Security Options * The Boot Process * Linux Filesystem Administration * Package Management * User Administration * RHCSA-Level System Administration * RHCE Security * System Services and SELinux * RHCE

Administration * Mail Servers * Samba * File Sharing * DNS, FTP, and Logging CD-ROM includes: Complete lab-based exam preparation, featuring: Two full RHCSA practice exams Two full RHCE practice exams Lab-based chapter self tests In-depth answer explanations for all labs RHCSA and RHCE Glossary PDF copy of the book for studying on the go Michael Jang, RHCE, LPIC-2, UCP, LCP, MCP, is the author of three previous bestselling editions of RHCE Red Hat Certified Engineer Linux Study Guide and several other books on Linux and professional certification.

RHCE Red Hat Certified Engineer Linux Study Guide (Exam RH302) Michael Jang 2007-07-12 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
RHCSA/RHCE Red Hat Linux Certification Study Guide Michael H.

Jang 2011-01-01
RHCSA/RHCE Red Hat Linux Certification Practice Exams with Virtual Machines Michael H. Jang 2013-01-01 "Designed as a companion to the [author's] RHCSA/RHCE Red Hat Linux certification study guide (exams EX200 & EX300), sixth edition ... this book is organized to serve as an in-depth review for the RHCSA and RHCE exams for both experienced Linux and Unix professionals"--
Solaris 10 System Administration Essentials Solaris System Engineers 2009-11-23 Solaris™ 10 System Administration Essentials is the first book to concisely yet comprehensively cover all of the breakthrough features of the Solaris 10 operating system. The Solaris OS has a long history of innovation, and the Solaris 10 OS is a watershed release that includes features such as Zones, which provide application isolation and facilitate server consolidation ZFS™, the file system that provides a new approach to managing your data with an easy administration interface The Fault Management Architecture, which automates fault detection and resolution The Service Management Facility, a unified model for services and service management on every Solaris system Dynamic Tracing (DTrace), for troubleshooting OS and application problems on production systems in real time In addition, the Solaris 10 OS fully supports 32-bit and 64-bit x86 platforms, as well as the SPARC® architecture. The book's key topics include Installing, booting, and shutting down a system Managing packages and patches (software updates) Controlling system processes Managing disks and devices Managing users Configuring networks Using printing services Solaris™ 10 System Administration Essentials is part of a new series on Solaris system administration. It is a practical guide to deploying and managing the Solaris 10 operating system in a business or academic environment. The book is easy to read and rich with examples—a perfect companion for system administrators who are deploying the Solaris OS for the first time.

RHCSA Red Hat Enterprise Linux 8:
Asghar Ghori 2020-01-10 > 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.

Privilege Escalation Techniques

Alexis Ahmed 2021-11-25 Enumerate and exploit Linux or Windows systems and

escalate your privileges to the highest level Key Features Discover a range of techniques to escalate privileges on Windows and Linux systems Understand the key differences between Windows and Linux privilege escalation Explore unique exploitation challenges in each chapter provided in the form of pre-built VMs Book Description Privilege escalation is a crucial step in the exploitation life cycle of a penetration tester. It helps penetration testers to set up persistence and facilitates lateral movement. This book is one of a kind, covering a range of privilege escalation techniques and tools for both Windows and Linux systems. The book uses virtual environments that you can download to test and run tools and techniques. Each chapter will feature an exploitation challenge in the form of pre-built virtual machines (VMs). As you progress, you will learn how to enumerate and exploit a target Linux or Windows system. This privilege escalation book then demonstrates how you can escalate your privileges to the highest level. By the end of this book, you will have gained the skills you need to be able to perform local kernel exploits, escalate privileges through vulnerabilities in services, maintain persistence, and enumerate information from the target such as passwords and password hashes. What you will learn Understand the privilege escalation process and set up a pentesting lab Gain an initial foothold on the system Perform local enumeration on target systems Exploit kernel vulnerabilities on Windows and Linux systems Perform privilege escalation through password looting and finding stored credentials Get to grips with performing impersonation attacks Exploit Windows services such as the secondary logon handle service to escalate Windows privileges Escalate Linux privileges by exploiting scheduled tasks and SUID binaries Who this book is for This Windows and Linux privilege escalation book is for intermediate-level cybersecurity students and pentesters who are interested in learning how to perform various

privilege escalation techniques on Windows and Linux systems, which includes exploiting bugs, design flaws, and more. An intermediate-level understanding of Windows and Linux systems along with fundamental cybersecurity knowledge is expected.

RHCT Red Hat Certified Technician Linux Study Guide (Exam RH202)

Michael Jang 2004 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 Technician exam, hundreds of practice exam questions, and hands-on exercises. The CD-ROM features full practice exam software with interactive tutorials, plus an adaptive test engine.

RHCSA/RHCE Red Hat Linux Certification Practice Exams with Virtual Machines (Exams EX200 & EX300) Michael Jang 2012-11-02 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 • 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.

LPIC-1 in Depth Michael Jang 2009 Accompanying CD-ROM contains four tutorial videos covering the command-line interface and SSH service. *Ubuntu Certified Professional Study Guide (Exam LPI 199)* Michael Jang 2008-07-15 Ubuntu is becoming the preferred distribution in the Linux community with more than 8 million users The exam is available worldwide through both Prometric and VUE testing centers

Mastering Linux Arman Danesh 2006-02-20 Join the Linux Revolution! Newly revised and updated, *Mastering Linux, Second Edition* is the best all-in-one Linux resource available anywhere. Inside, you'll find everything you need to know to install, configure, use, and optimize this increasingly popular and respected operating system. You'll even find the operating system itself—the Publisher's Edition of Red Hat Linux 7, absolutely free on the enclosed CD! Whatever you want to achieve with Linux, *Mastering Linux* makes it easy, providing the clear instruction and unique insights of a Linux expert who understands the needs of the non-Unix world. Coverage includes: Installing Linux Configuring and using the GNOME and KDE graphical user interfaces Configuring and using X-Windows v. 4 Using Linux commands Managing files in Linux Connecting to the Internet and e-mailing with Linux Using Netscape 6 for Linux Faxing from Linux Using Linux on a LAN Using Linux as part of a Windows network Connecting and configuring USB peripherals Creating a Linux Web server Setting up and using a Linux mail server Running DOS and Windows applications using Wine Configuring your Linux system with LinuxConf Re-compiling the Linux kernel Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

RHCSA/RHCE Red Hat Linux Certification Study Guide, Seventh

Edition (Exams EX200 & EX300) Michael Jang 2016-04-15 Based on Red Hat Enterprise Linux 7, the new edition of this bestselling study guide covers the updated Red Hat Certified System Administrator (RHCSA) and Red Hat Certified Engineer (RHCE) exams. RHCSA/RHCE Red Hat 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 book includes copies of the Linux Kernel provided under the terms of the GNU General Public License version 2

Red Hat RHCSA/RHCE 7 Cert Guide

Sander van Vugt 2015-08-07 Trust the best-selling Cert Guide series from Pearson IT Certification to help you learn, prepare, and practice for exam success. Cert Guides are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. Master Red Hat RHCSA (EX200) and RHCE (EX300) exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks Test yourself with 4 practice exams (2 RHCSA and 2 RHCE) Gain expertise and knowledge using the companion website, which contains

over 40 interactive exercises, 4 advanced CLI simulations, 40 interactive quizzes and glossary quizzes (one for each chapter), 3 virtual machines and more. Red Hat RHCSA/RHCE 7 Cert Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and allow you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending labs help you drill on key concepts you must know thoroughly. Red Hat RHCSA/RHCE 7, Premium Edition eBook and Practice Test focuses specifically on the objectives for the newest Red Hat RHCSA (EX200) and RHCE (EX300) exams reflecting Red Hat Enterprise Linux 7. Expert Linux trainer and consultant Sander van Vugt shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. Well-regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. This study guide helps you master all the topics on the new RHCSA (EX200) and RHCE (EX300) exams, including Part 1: RHCSA Basic System Management: Installation, tools, text files, server connections; user, group, and permissions management; network configuration Operating Running Systems: Process management, VMs, package installation, task scheduling, logging, managing partitions and LVM logical volumes Advanced System Administration: Basic kernel management, basic Apache server configuration, boot procedures/troubleshooting Managing Network Services: Using Kickstart; managing SELinux; configuring firewalls, remote mounts, FTP, and time services Part 2: RHCE System

Configuration/Management: External authentication/authorization, iSCSI SANs, performance reporting, optimization, logging, routing/advanced networking, Bash scripting System Security: Configuring firewalls, advanced Apache services, DNS, MariaDB, NFS, Samba, SMTP, SSH, and time synchronization

Mastering Red Hat Linux 9 Michael Jang 2006-02-20 Your Complete Guide to the World's Leading Linux Distribution Whether you depend on Linux as a server or desktop OS, Mastering Red Hat Linux 9 gives you the practical information you need to install, configure, and administer the latest version of Red Hat's operating system to suit your specific computing needs. Clear, step-by-step instruction teaches you basic, intermediate, and advanced techniques, and the Publisher's Edition of Red Hat Linux 9—included on two CDs—lets you get started right away. Coverage includes: Installing Linux from multiple sources Automating Linux installation over a network Navigating the command line interface Administering users and groups Managing RPM packages Troubleshooting the boot process Recompiling a kernel Configuring the X Window Working with GNOME and KDE Using Red Hat GUI administrative tools Understanding basic TCP/IP networking Securing Linux firewalls Setting up secure remote access Installing and testing DNS, DHCP, CUPS, and sendmail Configuring and troubleshooting FTP, NFS, Samba, and Apache Online Bonus Chapters: Linux Certification requirements (not yet available) Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

RHCSA/RHCE Red Hat Linux Certification Study Guide, Seventh Edition (Exams EX200 & EX300)

Alessandro Orsaria 2016-04-08 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 RHCSA and two for RHCE A proven study system for RHCSA and RHCE candidates

RHCSA/RHCE Red Hat Linux Certification Practice Exams with Virtual Machines, Second Edition (Exams EX200 & EX300) Michael Jang 2017-03-22 Updated for Red Hat Enterprise Linux 7, the new edition of this challenging practice exams book features 100+ hands-on labs and three virtual machines that prepare you for the latest performance-based Red Hat Certified System Administrator (RHCSA) and Red Hat Certified Engineer (RHCE) exams. Designed to simulate Red Hat's performance-based exams, RHCSA/RHCE Red Hat Linux Certification Practice Exams with Virtual Machines, Second Edition features 100+ practice labs that task you to perform assignments on a live system. The book comes complete with three virtual machines preloaded with all of the labs and practice exams. Each lab is accompanied by an in depth answer explanation. The organization of the book follows that of RHCSA/RHCE Red Hat Linux Certification Study Guide, Seventh Edition allowing you to focus on specific topics and tailor your study based on your areas of expertise and weakness. This revised

edition provides updated and complete coverage of all official exam objectives for the new exams. Four complete practice exams are included, two for each exam, which can be used as the final step in exam preparation or as measurements of progress. Complete with three fully configured virtual machines which allow you to take the labs without having to first set up your environment to meet the exam specifications 100+ hands-on labs and four complete practice exams—two for RHSCA and two for RHCE Practical companion to the new edition of the bestselling RHSCA/RHCE Red Hat Linux Certification Study Guide

RHSCA/RHCE Red Hat Enterprise Linux 8 Certification Study Guide, 8th Edition (Exams EX200 & EX294) Michael Jang 2020-10-23 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 RHSCA 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 RHSCA 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. RHSCA/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 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

Oracle Solaris 11 System Administration The Complete Reference

Michael Jang 2012-09-05 Take Full Advantage of the Oracle Solaris 11 Management Features Manage a highly scalable, cloud-based computing platform and deliver unmatched performance levels at every layer of your IT stack. Oracle Solaris 11 System Administration: The Complete Reference shows how to deploy Solaris from scratch. Get up-to-date details on installation options, device configuration, virtualization techniques, network security, file encryption, and Web services. NFS, Samba, and Apache are fully covered in this Oracle Press guide. Install Oracle Solaris 11 on x86 and SPARC machines Manage storage using the ZFS file system Define user roles and enforce strong access policies Create fully isolated zones and virtual system environments Configure print, e-mail, DNS, and DHCP services Share files and devices using NFS and Samba Set up Apache Web servers and deploy AMP applications

RHSCA/RHCE Red Hat Linux Certification Study Guide (Exams EX200 & EX300), 6th Edition Michael Jang 2011-07-05 The best fully integrated study system available (Exams EX200 and EX300) With hundreds of review questions and complete coverage of performance-based requirements, RHSCA/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 RHSCA exams and two full lab-based RHCE exams—match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Virtual Machines and Automated Installations * Fundamental Command Line Skills *

RHCSA-Level Security Options * The Boot Process * Linux Filesystem Administration * Package Management * User Administration * RHCSA-Level System Administration * RHCE Security * System Services and SELinux * RHCE Administration * Mail Servers * Samba * File Sharing * DNS, FTP, and Logging CD-ROM includes: Complete lab-based exam preparation, featuring: Two full RHCSA practice exams Two full RHCE practice exams Lab-based chapter self tests In-depth answer explanations for all labs RHCSA and RHCE Glossary PDF copy of the book for studying on the go Michael Jang, RHCE, LPIC-2, UCP, LCP, MCP, is the author of three previous bestselling editions of RHCE Red Hat Certified Engineer Linux Study Guide and several other books on Linux and professional certification.

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

Asghar Ghori 2015-03-27
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.

RHCE Red Hat Certified Engineer Linux Study Guide (Exam RH302) Michael Jang 2007-06-21 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
Rhce Exam Study Guide (4Th Ed.) W/Cd Exam Rh302 Michael Jang 2004-05-08
100% Complete Coverage of all official 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- Real-World Exercises- Step-by-step instruction modeled after the hands-on RHCE exam questions- Inside the Exam sections highlight key exam topics covered and how to answer questions correctly- Simulated exam lab questions match the format, tone, topics, and difficulty of the real examMoney-saving tips explain how you can study for the exam without buying Red Hat Enterprise Linux

Red Hat Certified Engineer (RHCE) Study Guide Andrew Mallett 2021-03-13
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 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.

Linux Annoyances for Geeks Michael Jang 2006-04-05 GNU/Linux is an immensely popular operating system that is both extremely stable and reliable. But it can also induce minor headaches at the most inopportune times, if you're not fully up to speed with its capabilities. A unique approach to running and administering Linux systems, Linux Annoyances for Geeks addresses the many poorly documented and under-appreciated topics that make the difference between a system you struggle with and a system you really enjoy. This book is for power users and system administrators who want to clear away barriers to using Linux for themselves and for less-trained users in their organizations. This book meticulously tells you how to get a stubborn wireless card to work under Linux, and reveals little-known sources for wireless drivers and information. It tells you how to add extra security to your systems, such as boot passwords, and how to use tools such as rescue disks to overcome overly zealous security measures in a pinch. In every area of desktop and server use, the book is chock full of advice based on hard-earned experience. Author Michael Jang has spent many hours trying out software in a wide range of environments and carefully documenting solutions for the most popular Linux distributions. (The

book focuses on Red Hat/Fedora, SUSE, and Debian.) Many of the topics presented here are previously undocumented or are discussed only in obscure email archives. One of the valuable features of this book for system administrators and Linux proponents in general is the organization of step-by-step procedures that they can customize for naive end-users at their sites. Jang has taken into account not only the needs of a sophisticated readership, but the needs of other people those readers may serve. Sometimes, a small thing for a user (such as being able to play a CD) or for an administrator (such as updating an organizations' systems from a central server) can make or break the adoption of Linux. This book helps you overcome the most common annoyances in deploying Linux, and trains you in the techniques that will help you overcome other problems you find along the way. In keeping with the spirit of the Annoyances series, the book adopts a sympathetic tone that will quickly win you over. Rather than blaming you for possessing limited Linux savvy, Linux Annoyances for Geeks takes you along for a fun-filled ride as you master the system together.

Ubuntu Server Administration Michael Jang 2008-11-14 Administer Ubuntu Server in the Enterprise Realize a dynamic, stable, and secure Ubuntu Server environment with expert guidance, tips, and techniques from a Linux professional. *Ubuntu Server Administration* covers every facet of system management--from users and file systems to performance tuning and troubleshooting. Learn how to automate installation using Kickstart, set up print and Web servers, configure and secure networks and TCP/IP ports, and implement Linux virtualization. You'll also get details on sharing resources via NFS and Samba,

protecting your system, and customizing the Linux kernel. Install Ubuntu Server Edition in a production environment Use administrative commands, secure with the PolicyKit, and customize permissions with ACLs Configure filesystems in partitions, logical volumes, and RAID arrays. Configure secure remote administration using the Secure Shell and Landscape Manage updates and configure local repository mirrors Control users with quotas, PAMs, and authentication databases Build Web servers using Apache, MySQL, and PHP Handle security with AppArmor, Kerberos, iptables-based firewalls, and TCP Wrappers Virtualize your system using VMware, Virtualbox, and KVM Covers Ubuntu 8.04 (LTS)

Who Is Michael Jang? Michael Jang 2019-09-20

RHCE Bill McCarty 2006-02-20 The highly respected RHCE certification from Red Hat, Inc. indicates that the person has passed a realistic 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.

Security Strategies in Linux Platforms and Applications Michael Jang 2015-10-13 "The Second Edition of *Security Strategies in Linux Platforms and Applications* opens with a discussion of risks, threats, and vulnerabilities. Part 2 discusses how to take advantage of the layers of security and the modules associated with AppArmor and SELinux. Part 3 looks at the use of open source and proprietary tools when building a layered security strategy"--