

Download Free Practical Guide To Red Hat Enterprise Linux Pdf For Free

A Practical Guide to Fedora and Red Hat Enterprise Linux Aug 29 2022 “I have found this book to be a very useful classroom text, as well as a great Linux resource. It teaches Linux using a ground-up approach that gives students the chance to progress with their skills and grow into the Linux world. I have often pointed to this book when asked to recommend a solid Linux reference.” – Eric Hartwell, Chair, School of Information Technology, ITT Technical Institute Master All the Techniques You Need to Succeed with Fedora™ or Red Hat® Enterprise Linux® The #1 Fedora and RHEL resource—a tutorial AND on-the-job reference Master Linux administration and security using the command line, GUI tools, Python, systemd, and firewalld Set up key Internet servers, step by step, including Samba, Apache, MariaDB/MySQL, sendmail, OpenSSH, DNS, LDAP, and more Brand-new chapter on Virtual Machines and Cloud Computing! In this comprehensive guide, one of the world’s leading Linux experts brings together all the knowledge and real-world insights you need to master and succeed with today’s versions of Fedora or Red Hat Enterprise Linux. Best-selling author Mark Sobell explains Linux clearly and effectively, focusing on skills you’ll actually need as a user, programmer, or administrator. Sobell assumes no prior Linux knowledge. He starts at the beginning and walks you through every topic and task that matters, using easy-to-understand examples. Step by step, you’ll learn how to install and configure Linux from the accompanying DVD, navigate its graphical user interface, provide file/printer sharing, configure network servers, secure Linux desktops and networks, work with the command line, administer Linux efficiently, and automate administration using Python and bash. Mark Sobell has taught hundreds of thousands of Linux and UNIX professionals. He knows every Linux nook and cranny—and he never forgets what it’s like to be new to Linux. Whatever you want to do with Linux—now or in the future—you’ll find it in this book. Compared with other Linux books, *A Practical Guide to Fedora™ and Red Hat® Enterprise Linux*®, Seventh Edition, delivers Complete, up-to-the-minute coverage of Fedora 19 and RHEL 7 (beta) New programming chapters that cover Python and MariaDB/MySQL, plus a new tutorial on using GnuPG to encrypt communications Information on state-of-the-art security: SELinux, ACLs, firewalld (firewall-config and firewall-cmd), iptables (system-config-firewall), GnuPG, and OpenSSH New chapter on VMs (virtual machines) and cloud computing, including VMware, QEMU/KVM, virt-manager, virsh, GNOME Boxes, and AWS (Amazon Web Services) Expanded command-line coverage, including a new chapter that details 32 important utilities Practical information on Internet server configuration, including Apache, sendmail, NFSv4, DNS/BIND, the new LDAP Dynamic Server, and IPv6 Complete “meat-and-potatoes” information on system/network administration, now including GRUB 2, the XFS filesystem, the new Anaconda Installer, the systemd init daemon, firewalld, and NetworkManager Detailed instructions on keeping Linux systems up to date, finding software packages, and working with repositories using yum and rpm Full coverage of the LPI Linux Essentials exam objectives plus extensive coverage of the CompTIA Linux+ exam objectives; Appendix E provides a map from objectives to pages in the book New coverage of find, sort, xz (compression), free, xargs, and the nano editor And much more, including a 500+ term glossary and comprehensive indexes

The Red Hat Sep 05 2020 Billy Hightower spends his whole life alone in a skyscraper high above a big city. Then one day, a skyscraper is built next door and a girl moves in. Could she be a friend? But every time Billy tries to reach out to her, the wily Wind gets in his way! Can Billy find a way to outsmart the Wind and make a new friend, or will he be swept away?

Mastering CloudForms Automation Sep 17 2021 Learn how to work with the Automate feature of CloudForms, the powerful Red Hat cloud management platform that lets you administer your virtual infrastructure, including hybrid public and private clouds. This practical hands-on introduction shows you how to increase your operational efficiency by automating day-to-day tasks that now require manual input. Throughout the book, author Peter McGowan provides a combination of theoretical information and practical coding examples to help you learn the Automate object model. With this CloudForms feature, you can create auto-scalable cloud applications, eliminate manual decisions and operations when provisioning virtual machines and cloud instances, and manage your complete virtual machine lifecycle. In six parts, this book helps you: Learn the objects and concepts for developing automation scripts with CloudForms Automate Customize the steps and workflows involved in provisioning virtual machines Create and use service catalogs, items, dialogs, objects, bundles, and hierarchies Use CloudForm’s updated workflow to retire and delete virtual machines and services Orchestrate and coordinate with external services as part of a workflow Explore distributed automation processing as well as argument passing and handling

Professional Red Hat Enterprise Linux 3 Feb 29 2020 What is this book about? Professional Red Hat Enterprise Linux 3 is a complete professional guide to setting up, configuring, and deploying Red Hat Enterprise Linux in the corporate production environment. The book focuses on Enterprise Server and Advanced Server features, including the key areas of high availability with the Red Hat Cluster Suite, Red Hat Network Control Center, and Red Hat Enterprise applications such as the Content Management System and portal server. Other key unique features include kernel tuning for various performance profiles; advanced Apache configuration; Tux installation/maintenance; building high-performance FTP servers; building high-performance mail servers (which means replacing Sendmail); Mailing list management; how to efficiently add, remove, or modify 100 users at the same time; and a discussion of disk quota management and monitoring. What does this book cover? The key features of the book include the following: How to install and setup RHEL 3 How to deploy RHEL 3 in production environment How to manage an RHEL system using Perl and shell scripting Advanced administration tools How to use Red Hat network service Details on installation and setup of security tools Ability to use and deploy High Availability solutions provided with RHEL 3 Performance tuning How to use monitoring tools Ability to use RHEL to provide scalable infrastructure solutions.

Understanding Quarkus Jan 10 2021 Microservices is an architectural style that structures an application as a collection of distributed services. Microservices are certainly appealing but there are many questions that should be asked prior to diving into this architectural style: How do I deal with an unreliable network in a distributed architecture? How do I test my services? How do I monitor them? How do I package and execute them? That’s when Quarkus comes into play. In this fascicle, you will learn Quarkus but also its ecosystem. You will discover Quarkus internals and how you can use it to build REST and reactive microservices, bind and process JSON or access datastores in a transactional way. With Cloud Native and GraalVM in mind, Quarkus makes packaging and orchestrating your microservices with Docker and Kubernetes easy. This fascicle has a good mix of theory and practical examples. It is the companion book of Practising Quarkus 1.x where you learn how to develop an entire microservice architecture.

Red Hat Enterprise Linux 8 Administration Jan 22 2022 Develop the skill to manage and administer Red Hat Enterprise Linux and get ready to achieve the RHCSA certification Key Features Learn the most common administration and security tasks and manage enterprise Linux infrastructures efficiently Assess your knowledge using self-assessment questions based on real-world examples Understand how to apply the concepts of core systems administration in the real world Book Description Whether in infrastructure or development, as a DevOps or site reliability engineer, Linux skills are now more relevant than ever for any IT job, forming the foundation of understanding the most basic layer of your architecture. With Red Hat Enterprise Linux (RHEL) becoming the most popular choice for enterprises worldwide, achieving the Red Hat Certified System Administrator (RHCSA) certification will validate your Linux skills to install, configure, and troubleshoot applications and services on RHEL systems. Complete with easy-to-follow tutorial-style content, self-assessment questions, tips, best practices, and practical exercises with detailed solutions, this book covers essential RHEL commands, user and group management, software management, networking fundamentals, and much more. You’ll start by learning how to create an RHEL 8 virtual machine and get to grips with essential Linux commands. You’ll then understand how to manage users and groups on an RHEL 8 system, install software packages, and configure your network interfaces and firewall. As you advance, the book will help you explore disk partitioning, LVM configuration, Stratis volumes, disk compression with VDO, and container management with Podman, Buildah, and Skopeo. By the end of this book, you’ll have covered everything included in the RHCSA EX200 certification and be able to use this book as a handy, on-the-job desktop reference guide. This book and its contents are solely the work of Miguel Perez Colino, Pablo Iranzo Gomez, and Scott McCarty. The content does not reflect the views of their employer (Red Hat Inc.). This work has no connection to Red Hat, Inc. and is not endorsed or supported by Red Hat, Inc. What you will learn Deploy RHEL 8 in different footprints, from bare metal and virtualized to the cloud Manage users and software on local and remote systems at scale Discover how to secure a system with SELinux, OpenSCAP, and firewalld Gain an overview of storage components with LVM, Stratis, and VDO Master remote administration with passwordless SSH and tunnels Monitor your systems for resource usage and take actions to fix issues Understand the boot process, performance optimizations, and containers Who this book is for This book is for IT professionals or students who want to start a career in Linux administration and anyone who wants to take the RHCSA 8 certification exam. Basic knowledge of Linux and familiarity with the Linux command-line is necessary.

Knative Cookbook May 02 2020 Enterprise developers face several challenges when it comes to building serverless applications, such as integrating applications and building container images from source. With more than 60 practical recipes, this cookbook helps you solve these issues with Knative—the first serverless platform natively designed for Kubernetes. Each recipe contains detailed examples and exercises, along with a discussion of how and why it works. If you have a good understanding of serverless computing and Kubernetes core resources such as deployment, services, routes, and replicas, the recipes in this cookbook show you how to apply Knative in real enterprise application development. Authors Kamesh Sampath and Burr Sutter include chapters on autoscaling, build and eventing, observability, Knative on OpenShift, and more. With this cookbook, you’ll learn how to: Efficiently build, deploy, and manage modern serverless workloads Apply Knative in real enterprise scenarios, including advanced eventing Monitor your Knative serverless applications effectively Integrate Knative with CI/CD principles, such as using pipelines for faster, more successful production deployments Deploy a rich ecosystem of enterprise integration patterns and connectors in Apache Camel K as Kubernetes and Knative components

Red Hat Enterprise Linux Troubleshooting Guide Mar 12 2021 Identify, capture and resolve common issues faced by Red Hat Enterprise Linux administrators using best practices and advanced troubleshooting techniques About This Book Develop a strong understanding of the base tools available within Red Hat Enterprise Linux (RHEL) and how to utilize these tools to troubleshoot and resolve real-world issues Gain hidden tips and techniques to help you quickly detect the reason for poor network/storage performance Troubleshoot your RHEL to isolate problems using this example-oriented guide full of real-world solutions Who This Book Is For If you have a basic knowledge of Linux from administration or consultant experience and wish to add to your Red Hat Enterprise Linux troubleshooting skills, then this book is ideal for you. The ability to navigate and use basic Linux commands is expected. What You Will Learn Identify issues that need rapid resolution against long term root cause analysis Discover commands for testing network connectivity such as telnet, netstat, ping, ip and curl Spot performance issues with commands such as top, ps, free, iostat, and vmstat Use tcpdump for traffic analysis Repair a degraded file system and rebuild a software raid Identify and troubleshoot hardware issues using dmesg Troubleshoot custom applications with strace and knowledge of Linux resource limitations In Detail Red Hat Enterprise Linux is an operating system that allows you to modernize your infrastructure, boost efficiency through virtualization, and finally prepare your data center for an open, hybrid cloud IT architecture. It provides the stability to take on today’s challenges and the flexibility to adapt to tomorrow’s demands. In this book, you begin with simple troubleshooting best practices and get an overview of the Linux commands used for troubleshooting. The book will cover the troubleshooting methods for web applications and services such as Apache and MySQL. Then, you will learn to identify system performance bottlenecks and troubleshoot network issues; all while learning about vital troubleshooting steps such as understanding the problem statement, establishing a hypothesis, and understanding trial, error, and documentation. Next, the book will show you how to capture and analyze network traffic, use advanced system troubleshooting tools such as strace, tcpdump & dmesg, and discover common issues with system defaults. Finally, the book will take you through a detailed root cause analysis of an unexpected reboot where you will learn to recover a downed system. Style and approach This is an easy-to-follow guide packed with examples of real-world core Linux concepts. All the topics are presented in detail while you’re performing the actual troubleshooting steps.

Beginning Red Hat Linux 9 Sep 25 2019 Describes the Linux operating system, covering such topics as installation, connecting to the Internet, software, applications, user accounts, networking, system administration, security, and Perl.

Red Hat Jun 14 2021 A series of exuberant read-aloud sound effects perfectly capture the whimsy and joy of a springtime frolic in this companion to Red Sled. In this almost wordless springtime picture book, an adorable crew of baby animals borrows a familiar-looking red hat (last seen on the head of Red Sled’s unsuspecting protagonist) and embarks on a joy-filled escapade—until all that is left is a long piece of red string! Their playful romp is gorgeously depicted in bold watercolor and complemented by humorous expressions and pitch-perfect sound effects. With a timeless tone and classic characters, Red Hat promises to be an instant favorite.

Red Hat RHCSA 8 Cert Guide Dec 09 2020 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

OpenShift for Developers Dec 21 2021 Ready to build cloud native applications? Get a hands-on introduction to daily life as a developer crafting code on OpenShift, the open source container application platform from Red Hat. Creating and packaging your apps for deployment on modern distributed systems can be daunting. Too often, adding infrastructure value can complicate development. With this practical guide, you'll learn how to build, deploy, and manage a multitiered application on OpenShift. Authors Joshua Wood and Brian Tannous, principal developer advocates at Red Hat, demonstrate how OpenShift speeds application development. With the Kubernetes container orchestrator at its core, OpenShift simplifies and automates the way you build, ship, and run code. You'll learn how to use OpenShift and the Quarkus Java framework to develop and deploy apps using proven enterprise technologies and practices that you can apply to code in any language. Learn the development cycles for building and deploying on OpenShift, and the tools that drive them Use OpenShift to build, deploy, and manage the ongoing lifecycle of an n-tier application Create a continuous integration and deployment pipeline to build and deploy application source code on OpenShift Automate scaling decisions with metrics and trigger lifecycle events with webhooks

RHCSA & RHCE Red Hat Enterprise Linux 7: Training and Exam Preparation Guide (EX200 and EX300), Third Edition Apr 24 2022 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, firewall, 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.

A Practical Guide To Red Hat Linux 8 (with Cd) Mar 31 2020

Quarkus Cookbook Jul 04 2020 Optimized for Kubernetes, Quarkus is designed to help you create Java applications that are cloud first, container native, and serverless capable. With this cookbook, authors Alex Soto Bueno and Jason Porter from Red Hat provide detailed solutions for installing, interacting with, and using Quarkus in the development and production of microservices. The recipes in this book show midlevel to senior developers familiar with Java enterprise application development how to get started with Quarkus quickly. You'll become familiar with how Quarkus works within the wider Java ecosystem and discover ways to adapt this framework to your particular needs. You'll learn how to: Shorten the development cycle by enabling live reloading in dev mode Connect to and communicate with Kafka Develop with the reactive programming model Easily add fault tolerance to your services Build your application as a Kubernetes-ready container Ease development with OpenAPI and test a native Quarkus application

RHCSA Red Hat Enterprise Linux 8: Nov 19 2021 > Covers Red Hat Enterprise Linux 8 > Covers ALL official exam objectives for the RHCSA exam based on Red Hat Enterprise Linux 8 > Equally good for self-study and in-class training > 81 Step-by-Step exercises > 70 Do-It-Yourself Challenge Labs > 375 Check Your Understanding Questions & Answers > Concepts explained with diagrams > Commands and options summarized in tables > Exam tips included > 4 Unique Sample RHCSA Exams This book has 21 chapters that are organized logically. It covers the topics on local RHEL 8 installation; initial interaction with the system and basic commands; compression and archiving; file editing and manipulation; standard and special permissions; file searching and access controls; user monitoring and authentication files; users, groups, and password aging; bash shell features and startup files; processes and task scheduling; basic and advanced software administration techniques; system boot process and bootloader; kernel management and system initialization; logging and system tuning; basic and advanced storage management tools and solutions; local and remote file systems and swap regions; network device and connection configuration; time synchronization and hostname resolution; the secure shell service; and firewall and SELinux controls. Each chapter highlights the major topics and relevant exam objectives at the beginning, and ends with review questions & answers and Do-It-Yourself challenge labs. Throughout the book, figures, tables, screen shots, examples, and exam tips have been furnished to support explanation and exam preparation. This book includes four sample exams for RHCSA, which are expected to be done using the knowledge and skills attained from reading the material and practicing the exercises and challenge labs. The labs and the sample exams include references to relevant topics and/or exercises.

The Linux Command Line, 2nd Edition Oct 31 2022 You've experienced the shiny, point-and-click surface of your Linux computer—now dive below and explore its depths with the power of the command line. The Linux Command Line takes you from your very first terminal keystrokes to writing full programs in Bash, the most popular Linux shell (or command line). Along the way you'll learn the timeless skills handed down by generations of experienced, mouse-shunning gurus: file navigation, environment configuration, command chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux machine has inherited from Unix supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to: Create and delete files, directories, and symlinks Administer your system, including networking, package installation, and process management Use standard input and output, redirection, and pipelines Edit files with Vi, the world's most popular text editor Write shell scripts to automate common or boring tasks Slice and dice text files with cut, paste, grep, patch, and sed Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust.

Red Hat Enterprise Linux 6 Administration May 14 2021 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.

RHCSA Red Hat Enterprise Linux 8 (UPDATED) Jun 26 2022 HIGHLIGHTS > Covers ALL Latest Official Exam Objectives for RHCSA 8 including Containers and Shell Scripting > Great for Self-Study and In-Class/Virtual Training > 108 Real-Life Step-By-Step Exercises and Shell Scripts > 80 Do-It-Yourself Challenge Labs > 408 Review Questions & Answers > 4 Realistic Sample RHCSA Exams (23 tasks per exam) RHCSA Red Hat Enterprise Linux 8 (UPDATED): Training and Exam Preparation Guide, Second Edition provides in-depth coverage of the latest RHCSA EX200 exam objectives that include Shell Scripting and Containers. The most definitive guide available on the subject, this book explains concepts, analyzes configuration files, describes command outputs, shows step-by-step procedures (includes screenshots of actual commands executed and outputs they produced), and challenges the readers' comprehension of the concepts and procedures by presenting plenty of additional labs and sample realistic exam tasks to perform on their own. This book has 23 chapters that are organized logically, from setting up the lab to the fundamentals of Linux to sophisticated Linux administration topics. The book covers the topics on local RHEL 8 installation; initial interaction with the system; basic Linux commands; compression and archiving; file editing and manipulation; standard and special permissions; file searching and access controls; user monitoring and authentication files; users, groups, and password aging; bash shell features and startup files; processes and task scheduling; basic and advanced software administration techniques; system boot process and bootloader; kernel management and system initialization; logging and system tuning; basic and advanced storage management tools and solutions; local file systems and swap regions; network device and connection configuration; remote file systems and automounting; time synchronization and hostname resolution; the secure shell service; firewall and SELinux controls; and shell scripting and containers. Each chapter highlights the major topics and relevant exam objectives at the beginning and ends with several review questions & answers and Do-It-Yourself challenge labs. Throughout the book, figures, tables, screen shots, examples, notes, and exam tips are furnished to support explanation and exam preparation. This book includes four sample RHCSA exams that are expected to be performed using the knowledge and skills attained from reading the material, following the exercises, and completing the challenge labs. The labs and the sample exams include hints to relevant topics and/or exercises. This book may be used as a self-learning guide by RHCSA 8 exam aspirants, a resource by instructors and students to follow in physical and virtual training sessions, an on-the-job resource for reference, and an easy-to-understand guide by novice and non-RHEL administrators.

Kubernetes Operators May 26 2022 Operators are a way of packaging, deploying, and managing Kubernetes applications. A Kubernetes application doesn't just run on Kubernetes; it's composed and managed in Kubernetes terms. Operators add application-specific operational knowledge to a Kubernetes cluster, making it easier to automate complex, stateful applications and to augment the platform. Operators can coordinate application upgrades seamlessly, react to failures automatically, and streamline repetitive maintenance like backups. Think of Operators as site reliability engineers in software. They work by extending the Kubernetes control plane and API, helping systems integrators, cluster administrators, and application developers reliably deploy and manage key services and components. Using real-world examples, authors Jason Dobies and Joshua Wood demonstrate how to use Operators today and how to create Operators for your applications with the Operator Framework and SDK. Learn how to establish a Kubernetes cluster and deploy an Operator Examine a range of Operators from usage to implementation Explore the three pillars of the Operator Framework: the Operator SDK, the Operator Lifecycle Manager, and Operator Metering Build Operators from the ground up using the Operator SDK Build, package, and run an Operator in development, testing, and production phases Learn how to distribute your Operator for installation on Kubernetes clusters

A Practical Guide to Red Hat Linux 8 Apr 12 2021 A guide to Linux covers such topics as logging in, compressing files, using the command line, scripting, and security.

The Open Organization Jan 02 2023 This is a story of reinvention. Jim Whitehurst, celebrated president and CEO of one of the world's most revolutionary software companies, tells first-hand his journey from traditional manager (Delta Air Lines, Boston Consulting Group) and "chief" problem solver to CEO of one of the most open organizational environments he'd ever encountered. This challenging transition, and what Whitehurst learned in the interim, has paved the way for a new way of managing—one this modern leader sees as the only way companies will successfully function in the future. Whitehurst says beyond embracing the technology that has so far disrupted entire industries, companies must now adapt their management and organizational design to better fit the Information Age. His mantra? "Adapt or die." Indeed, the successful company Whitehurst leads—the open source giant Red Hat—has become the organizational poster child for how to reboot, redesign, and reinvent an organization for a decentralized, digital age. Based on open source principles of transparency, participation, and collaboration, "open management" challenges conventional business ideas about what companies are, how they run, and how they make money. This book provides the blueprint for putting it into practice in your own firm. He covers challenges that have been missing from the conversation to date, among them: how to scale engagement; how to have healthy debates that net progress; and how to attract and keep the "Social Generation" of workers. Through a mix of vibrant stories, candid lessons, and tested processes, Whitehurst shows how Red Hat has blown the traditional operating model to pieces by emerging out of a pure bottom up culture and learning how to execute it at scale. And he explains what other companies are, and need to be doing to bring this open style into all facets of the organization. By showing how to apply open source methods to everything from structure, management, and strategy to a firm's customer and partner relationships, leaders and teams will now have the tools needed to reach a new level of

work. And with that new level of work comes unparalleled success. The Open Organization is your new resource for doing business differently. Get ready to make traditional management thinking obsolete.

DevOps with OpenShift Dec 01 2022 For many organizations, a big part of DevOps' appeal is software automation using infrastructure-as-code techniques. This book presents developers, architects, and infra-ops engineers with a more practical option. You'll learn how a container-centric approach from OpenShift, Red Hat's cloud-based PaaS, can help your team deliver quality software through a self-service view of IT infrastructure. Three OpenShift experts at Red Hat explain how to configure Docker application containers and the Kubernetes cluster manager with OpenShift's developer- and operational-centric tools. Discover how this infrastructure-agnostic container management platform can help companies navigate the murky area where infrastructure-as-code ends and application automation begins. Get an application-centric view of automation—and understand why it's important Learn patterns and practical examples for managing continuous deployments such as rolling, A/B, blue-green, and canary Implement continuous integration pipelines with OpenShift's Jenkins capability Explore mechanisms for separating and managing configuration from static runtime software Learn how to use and customize OpenShift's source-to-image capability Delve into management and operational considerations when working with OpenShift-based application workloads Install a self-contained local version of the OpenShift environment on your computer

Red Hat Enterprise Linux 6 Essentials Aug 05 2020

Red Hat Enterprise Linux Administration Unleashed Nov 27 2019 This comprehensive guide can help you administer Red Hat Enterprise Linux 5 effectively in any production environment, no matter how complex or challenging. Long-time Red Hat insider Tammy Fox brings together today's best practices for the entire system lifecycle, from planning and deployment through maintenance and troubleshooting. Fox shows how to maximize your efficiency and effectiveness by automating day-to-day maintenance through scripting, deploying security updates via Red Hat Network, implementing central identity management services, and providing shared data with NFS and Samba. Red Hat Enterprise Linux 5 Administration Unleashed contains extensive coverage of network and web services, from the Apache HTTP server and Sendmail email services to remote login with OpenSSH. Fox also describes Red Hat's most valuable tools for monitoring and optimization and presents thorough coverage of security—including a detailed introduction to Security-Enhanced Linux (SELinux).

A Practical Guide to Fedora and Red Hat Enterprise Linux Aug 24 2019 In this book, one of the world's leading Linux experts brings together all the knowledge you need to master Fedora or Red Hat Enterprises Linux and succeed with it in the real world.

Learning Red Hat Enterprise Linux and Fedora Oct 07 2020 Explains how to install and configure Linux, how to run productivity tools, how to burn CDs and synchronize a PalmPilot, how to set up software, how to configure a network, and how to use the system administration tools.

Fedora Linux Dec 29 2019 "Neither a "Starting Linux" book nor a dry reference manual, this book has a lot to offer to those coming to Fedora from other operating systems or distros." -- Behdad Esfahbod, Fedora developer This book will get you up to speed quickly on Fedora Linux, a securely-designed Linux distribution that includes a massive selection of free software packages. Fedora is hardened out-of-the-box, it's easy to install, and extensively customizable - and this book shows you how to make Fedora work for you. Fedora Linux: A Complete Guide to Red Hat's Community Distribution will take you deep into essential Fedora tasks and activities by presenting them in easy-to-learn modules. From installation and configuration through advanced topics such as administration, security, and virtualization, this book captures the important details of how Fedora Core works--without the fluff that bogs down other books and help/how-to web sites. Instead, you can learn from a concise task-based approach to using Fedora as both a desktop and server operating system. In this book, you'll learn how to: Install Fedora and perform basic administrative tasks Configure the KDE and GNOME desktops Get power management working on your notebook computer and hop on a wired or wireless network Find, install, and update any of the thousands of packages available for Fedora Perform backups, increase reliability with RAID, and manage your disks with logical volumes Set up a server with file sharing, DNS, DHCP, email, a Web server, and more Work with Fedora's security features including SELinux, PAM, and Access Control Lists (ACLs) Whether you are running the stable version of Fedora Core or bleeding-edge Rawhide releases, this book has something for every level of user. The modular, lab-based approach not only shows you how things work-but also explains why--and provides you with the answers you need to get up and running with Fedora Linux. Chris Tyler is a computer consultant and a professor of computer studies at Seneca College in Toronto, Canada where he teaches courses on Linux and X Window System Administration. He has worked on systems ranging from embedded data converters to Multics mainframes.

Red Hat Linux 9 For Dummies Jan 28 2020 Red Hat Linux, with its splashy brand name and recognizable logo, is undeniably one of the driving forces behind the Linux revolution—and, by far, the most popular Linux flavor. It's used by businesses, individuals, and governments world wide to cut costs, improve performance, and just plain get the work done. You can use it as a desktop workstation, a network server, an Internet gateway, a firewall, the basis of an embedded system (such as a smart VCR or a robot), or even as a multiprocessor supercomputer. And thanks to the thousands of people who continually refine different parts of Linux, Red Hat Linux keeps getting more flexible and robust with each new release. Ready to put the power of the penguin in your PC? This handy plain-English guide to Red Hat Linux 9 shows you how—no experience required! It gets you up and running with everything you need to know to: Install, configure, customize, and fine-tune Red Hat Linux 9 Get connected to the Internet Work with Word documents Set up a Web server Customize your own flexible, powerful workstation Connect to a wireless network Build a firewall With world-renowned Linux expert and crusader Jon “maddog” Hall and Paul Sery as your guides, you'll quickly master what you need to know about: Connecting to the Internet via broadband DSL and cable modems or old-fashioned dial-up modems Getting connected to your Local Area Network (LAN) Building simple Internet and LAN services, including Web pages and print servers Using Red Hat Linux to play CDs and MP3s and listen to radio stations Using OpenOffice desktop productivity suite, Evolution desktop organizer/and email client, the streaming multimedia player, and other cool applications On the 2 Bonus CD-ROMs you'll find: Publisher's edition of Red Hat Linux 9 Apache Web Server GNU compiler GNOME and KDE Desktop This amazing book/CD package is hands-down the quickest, easiest, and cheapest way to put the full power of Linux to work for you.

My Red Hat Feb 20 2022 In a touching reflection on love between generations, a grandfather passes down a hat that has seen a world of moments—and carries a big piece of his heart. A hat can do many things. It can keep you warm and dry. It can help you stand out in a crowd, or it can help you blend in. It can hold your dreams or your secrets, and it can hide your fears. In a debut picture book, Rachel Stubbs pairs winsomely expressive artwork with a gentle meditation on family connection and memory, as a grandfather offers his grandchild the anticipation of a life lived with wonder and openness . . . and a very special hat.

Red Hat Certified System Administrator and Engineer (RHCSA / RHCE) RHEL 6 Oct 26 2019 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.

DevOps Culture and Practice with OpenShift Sep 29 2022 A practical guide to making the best use of the OpenShift container platform based on the real-life experiences, practices, and culture within Red Hat Open Innovation Labs Key Features Learn how modern software companies deliver business outcomes that matter by focusing on DevOps culture and practices Adapt Open Innovation Labs culture and foundational practices from the Open Practice Library Implement a metrics-driven approach to application, platform, and product, understanding what to measure and how to learn and pivot Book Description DevOps Culture and Practice with OpenShift features many different real-world practices - some people-related, some process-related, some technology-related - to facilitate successful DevOps, and in turn OpenShift, adoption within your organization. It introduces many DevOps concepts and tools to connect culture and practice through a continuous loop of discovery, pivots, and delivery underpinned by a foundation of collaboration and software engineering. Containers and container-centric application lifecycle management are now an industry standard, and OpenShift has a leading position in a flourishing market of enterprise Kubernetes-based product offerings. DevOps Culture and Practice with OpenShift provides a roadmap for building empowered product teams within your organization. This guide brings together lean, agile, design thinking, DevOps, culture, facilitation, and hands-on technical enablement all in one book. Through a combination of real-world stories, a practical case study, facilitation guides, and technical implementation details, DevOps Culture and Practice with OpenShift provides tools and techniques to build a DevOps culture within your organization on Red Hat's OpenShift Container Platform. What you will learn Implement successful DevOps practices and in turn OpenShift within your organization Deal with segregation of duties in a continuous delivery world Understand automation and its significance through an application-centric view Manage continuous deployment strategies, such as A/B, rolling, canary, and blue-green Leverage OpenShift's Jenkins capability to execute continuous integration pipelines Manage and separate configuration from static runtime software Master communication and collaboration enabling delivery of superior software products at scale through continuous discovery and continuous delivery Who this book is for This book is for anyone with an interest in DevOps practices with OpenShift or other Kubernetes platforms. This DevOps book gives software architects, developers, and infra-ops engineers a practical understanding of OpenShift, how to use it efficiently for the effective deployment of application architectures, and how to collaborate with users and stakeholders to deliver business-impacting outcomes.

Kubernetes Patterns Oct 19 2021 The way developers design, build, and run software has changed significantly with the evolution of microservices and containers. These modern architectures use new primitives that require a different set of practices than most developers, tech leads, and architects are accustomed to. With this focused guide, Bilgin Ibryam and Roland Huß from Red Hat provide common reusable elements, patterns, principles, and practices for designing and implementing cloud-native applications on Kubernetes. Each pattern includes a description of the problem and a proposed solution with Kubernetes specifics. Many patterns are also backed by concrete code examples. This book is ideal for developers already familiar with basic Kubernetes concepts who want to learn common cloud native patterns. You'll learn about the following pattern categories: Foundational patterns cover the core principles and practices for building container-based cloud-native applications. Behavioral patterns explore finer-grained concepts for managing various types of container and platform interactions. Structural patterns help you organize containers within a pod, the atom of the Kubernetes platform. Configuration patterns provide insight into how application configurations can be handled in Kubernetes. Advanced patterns covers more advanced topics such as extending the platform with operators.

Red Hat Enterprise Linux 8 Essentials Mar 24 2022 Arguably one of the most highly regarded and widely used enterprise level operating systems available today is the Red Hat Enterprise Linux 8 distribution. Not only is it considered to be among the most stable and reliable operating systems, it is also backed by the considerable resources and technical skills of Red Hat, Inc. Red Hat Enterprise Linux 8 Essentials is designed to provide detailed information on the installation, use and administration of the Red Hat Enterprise Linux 8 distribution. For beginners, the book covers topics such as operating system installation, the basics of the GNOME desktop environment, configuring email and web servers and installing packages and system updates using App Streams. Additional installation topics such as dual booting with Microsoft Windows are also covered, together with all important security topics such as configuring a firewall and user and group administration. For the experienced user, topics such as remote desktop access, the Cockpit web interface, logical volume management (LVM), disk partitioning, swap management, KVM virtualization, Secure Shell (SSH), Linux Containers and file sharing using both Samba and NFS are covered in detail to provide a thorough overview of this enterprise class operating system.

A Practical Guide to Red Hat Linux Jul 16 2021 A guide to Linux, including Fedora Core and Red Hat Enterprise Linux, covers such topics as the command line, file sharing, Internet server configuration, security techniques, and writing bash shell scripts.

Red Hat Linux Networking and System Administration Jun 02 2020 * Updated to cover Red Hat Linux Enterprise Workstation with the latest on advanced Linux kernel features, the Tux Web server, the latest Apache 2.x Web server, and the expanded suite of custom configuration tools * Starts with network planning and Red Hat installation and configuration, then progresses to optimizing network and Internet services and monitoring and maintaining the network * Examines the basics of Red Hat Linux security and offers trouble-shooting and problem-solving advice * Includes important new chapters that focus on optimizing standard network services, such as file and print services, and Internet-related servers, such as the Apache Web server Copyright © 2004 by Red Hat, Inc. Material from Chapters 4-6, 8-10, 17 and 21 may be distributed only subject to the terms and conditions set forth in the Open Publication License, V1.0 or later (the latest version is presently available at <http://www.opencontent.org/openpub/>).

Modernizing Enterprise Java Nov 07 2020 While containers, microservices, and distributed systems dominate discussions in the tech world, the majority of applications in use today still run monolithic architectures that follow traditional development processes. This practical book helps developers examine long-established Java-based models and demonstrates how to bring these monolithic applications successfully into the future. Relying on their years of experience modernizing applications, authors Markus Eisele and Natale Vinto walk you through the steps necessary to update your organization's Java applications. You'll discover how to dismantle your monolithic application and move to an up-to-date software stack that works across cloud and on-premises installations. Learn cloud native application basics to understand what parts of your organization's Java-based applications and platforms need to migrate and modernize Understand how enterprise Java specifications can help you transition projects and teams Build a cloud native platform that supports effective development without falling into buzzword traps Find a starting point for your migration projects by identifying candidates and staging them through modernization steps Discover how to complement a traditional enterprise Java application with components on top of

containers and Kubernetes

Mastering Red Hat Linux 9 Feb 08 2021 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.

Fedora 10 and Red Hat Enterprise Linux Bible Aug 17 2021 As a market-leading, free, open-source Linux operating system (OS), Fedora 10 is implemented in Red Hat Enterprise Linux and serves as an excellent OS for those who want more frequent updates. Bestselling author Christopher Negus offers an ideal companion resource for both new and advanced Linux users. He presents clear, thorough instructions so you can learn how to make Linux installation simple and painless, take advantage of the desktop interface, and use the Linux shell, file system, and text editor. He also describes key system administration skills, including setting up users, automating system tasks, backing up and restoring files, and understanding the latest security issues and threats. Included is both a DVD distribution of Fedora Linux 10 and a bootable Fedora LiveCD. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

OpenShift for Developers Jul 28 2022 Keen to build web applications for the cloud? Get a quick hands-on introduction to OpenShift, the open source Platform as a Service (PaaS) offering from Red Hat. With this practical guide, you'll learn the steps necessary to build, deploy, and host a complete real-world application on OpenShift without having to slog through long, detailed explanations of the technologies involved. OpenShift enables you to use Docker application containers and the Kubernetes cluster manager to automate the way you create, ship, and run applications. Through the course of the book, you'll learn how to use OpenShift and the Wildfly application server to build and then immediately deploy a Java application online. Learn about OpenShift's core technology, including Docker-based containers and Kubernetes Use a virtual machine with OpenShift installed and configured on your local environment Create and deploy your first application on the OpenShift platform Add language runtime dependencies and connect to a database Trigger an automatic rebuild and redeployment when you push changes to the repository Get a working environment up in minutes with application templates Use commands to check and debug your application Create and build Docker-based images for your application

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