

# Red Hat Enterprise Linux Centos

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Red Hat Enterprise Linux  
CentOS - Thibault Bartolone  
2022

*The Linux Command Line, 2nd  
Edition* - William Shotts  
2019-03-07

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.

### **Fedora Linux Toolbox** -

Christopher Negus 2007-12-11

In this handy, compact guide, you'll explore a ton of powerful Fedora Linux commands while you learn to use Fedora Linux as the experts do: from the command line. Try out more than 1,000 commands to find and get software, monitor system health and security, and access network resources. Then, apply the skills you learn from this book to use and administer desktops and servers running Fedora, CentOS, Red Hat Enterprise Linux, or any other Linux distribution.

### **CentOS 8 Essentials** - Neil

Smyth 2019-12-11

Arguably one of the most highly regarded and widely used enterprise level operating systems available today is the CentOS 8 distribution. Not only is it considered to be among the most stable and reliable operating systems, it is also backed by the considerable resources and technical skills of Red Hat, Inc. CentOS 8 Essentials is designed to

provide detailed information on the installation, use and administration of the CentOS 8 distribution. For beginners, the book covers topics such as operating system installation, the basics of the GNOME desktop environment, configuring email and web servers and installing packages and system updates using App Streams. Additional installation topics such as dual booting with Microsoft Windows are also covered, together with all important security topics such as configuring a firewall and user and group administration. For the experienced user, topics such as remote desktop access, the Cockpit web interface, logical volume management (LVM), disk partitioning, swap management, KVM virtualization, Secure Shell (SSH), Linux Containers and file sharing using both Samba and NFS are covered in detail to provide a thorough overview of this enterprise class operating system.

[Fedora 11 and Red Hat Enterprise Linux Bible](#) -

Christopher Negus 2009-08-27  
The leading Fedora book-over a quarter of a million copies sold of previous editions! What better way to learn Fedora 11 than with the leading Fedora book from the best-selling Linux author, Christopher Negus with Eric Foster Johnson? Whether you're new to Linux or an advanced user, this power-packed guide is loaded with what you need. Install, run, and manage the latest version of Fedora and Red Hat Enterprise Linux-then polish your system administration skills and get up to speed on the very latest in networking, desktop, and server enhancements. Master the Linux shell, file system, and text editor; how to set up users and automate system tasks; and much more in over a thousand pages of step-by-step instruction. Boot the full DVD of Fedora 11, including almost all binary code packages, or do a Live Install of the CD for rescuing, troubleshooting, or installing Fedora. Fedora is a free, open source Linux operating system sponsored by Red Hat as an open source

community project; the technological innovations from the Fedora Project are then implemented in Red Hat's commercial offering, Red Hat Enterprise Linux. Covers step-by-step instructions for making Linux installation simple and painless; how to take advantage of the desktop interface (including coverage of AIGLX); and how to use the Linux shell, file system, and text editor. Also covers setting up users; automating system tasks; backing up and restoring files; dealing with the latest security issues and threats; using and customizing the desktop menus, icons, window manager, and xterm; and how to create and publish formatted documents with Linux applications. The DVD and CD that come with the book include Fedora Linux 11 and an official Fedora 11 LiveCD (bootable and installable). This is the book you need to succeed with Fedora 11 and Red Hat Enterprise Linux. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook

file.

### Troubleshooting CentOS -

Jonathan Hobson 2015-06-24

CentOS is the enterprise-grade Linux operating system built using the same source code as Red Hat Enterprise Linux (RHEL) to provide a free-to-use alternative to Red Hat's commercial Linux offering. The purpose of this book is to build on your understanding of CentOS and to explore those mission-critical services you are entrusted to manage and maintain. Starting with a brief introduction to the overall subject of troubleshooting a CentOS server, this book will take you on a journey across the whole spectrum of issue-based problem solving, which includes active processes, the networking environment, package management, users, folders, files, shared resources, security, databases, and web-based services. By the end of the book, you will have expert-level competency in identifying and diagnosing the root causes of CentOS storage, network, and administration issues and resolving them.

*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.

Linux Bible - Christopher Negus  
2015-04-22

The industry favorite Linux guide, updated for Red Hat Enterprise Linux 7 and the cloud Linux Bible, 9th Edition is the ultimate hands-on Linux user guide, whether you're a true beginner or a more advanced user navigating recent changes. This updated ninth edition covers the latest versions of Red Hat Enterprise Linux 7 (RHEL 7), Fedora 21, and Ubuntu 14.04 LTS, and includes new information on cloud computing and development with guidance on Openstack and Cloudforms. With a focus on RHEL 7, this practical guide gets you up to speed quickly on the new enhancements for enterprise-quality file systems, the new boot process and services management, firewalld, and the GNOME 3 desktop. Written by a Red Hat expert, this book provides the clear explanations and step-by-step instructions that demystify Linux and bring the new features seamlessly into your workflow. This useful guide assumes a base of little

or no Linux knowledge, and takes you step by step through what you need to know to get the job done. Get Linux up and running quickly Master basic operations and tackle more advanced tasks Get up to date on the recent changes to Linux server system management Bring Linux to the cloud using Openstack and Cloudforms Linux Bible, 9th Edition is the one resource you need, and provides the hands-on training that gets you on track in a flash.

*Desktop Linux* -

*Red Hat Enterprise Linux and Centos Version 8 Express Guide*  
- Shiv Kumar Goyal 2019-12-03  
redhat and centos linux administrator guide

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

Mastering Linux Servers - Kefa Rabah 2018-07-10

The book covers the world's leading open source application platform: Red Hat Enterprise Linux (RHEL) 6 is a Linux distribution produced by Red Hat that was targeted toward the commercial market, including mainframes. Red Hat Enterprise Linux is released in server versions for x86, x86\_64, Itanium, PowerPC and IBM System z, and desktop versions for x86 and x86\_64. All of Red Hat's official support and training, and the Red Hat Certification Program center on the Red Hat Enterprise Linux platform. It next Covers CentOS 6 Server: is a community-supported, free and open source operating system based on Red Hat Enterprise Linux. It exists to provide a free enterprise class computing platform and strives to maintain 100% binary compatibility with its upstream distribution .CentOS stands for "Community ENTERprise Operating System". CentOS is the perfect server for people who need an enterprise class operating system stability

without the cost of certification and support and pocket burning baggage that comes with proprietary software. And the beauty is CentOS is free. Finally, we end with Ubuntu 14.04 LTS Server which transformed the IT environments worldwide. Realize the full potential of your infrastructure with a reliable, easy-to-integrate technology platform. It's the leading platform for scale-out computing, Ubuntu Server helps you make the most of your infrastructure. Whether you want to deploy an OpenStack cloud, a Hadoop cluster or a 50,000-node render farm, Ubuntu Server delivers the best value scale-out performance available. It's an excellent book for those who still use or have fond memory of these three industry standard distros.

*Red Hat Enterprise Linux 9 Essentials* - Neil Smyth  
2023-04-20

Arguably one of the most highly regarded and widely used enterprise-level operating systems available today is the

Red Hat Enterprise Linux (typically shortened to RHEL and pronounced rell) 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 9 Essentials is designed to provide detailed information on the installation, use, and administration of the Red Hat Enterprise Linux 9 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.

**Modular Perl** - Mark Schmick  
1998-01-01

"Modular Perl" provides the Perl programmer with detailed examples and information necessary to create or implement faster, more efficient Perl scripts to increase productivity. The book includes hard-to-find coverage of the object-oriented implementation of Perl that is only glossed over in most other books.

*Red Hat Enterprise Linux (Rhel) 6 Server Installation & Administration* - Kefa Rabah  
2012-03

Today, the Open Source IT community is growing more comfortable with the open-source development model, reporting that open source will dominate as their Web server application platform and server

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

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.

### **Red Hat Enterprise Linux (Rhel) 7 Server Installation and Administration** - Kefa

Rabah 2016-06-16

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

### **Linux Administration Handbook** - Evi Nemeth

2006-10-30

“As this book shows, Linux systems are just as functional, secure, and reliable as their proprietary counterparts. Thanks to the ongoing efforts of thousands of Linux developers, Linux is more ready than ever for deployment at the frontlines of the real world. The authors of this book know that terrain

well, and I am happy to leave you in their most capable hands.” -Linus Torvalds “The most successful sysadmin book of all time—because it works!” -Rik Farrow, editor of ;login: “This book clearly explains current technology with the perspective of decades of experience in large-scale system administration. Unique and highly recommended.” -Jonathan Corbet, cofounder, LWN.net “Nemeth et al. is the overall winner for Linux administration: it’s intelligent, full of insights, and looks at the implementation of concepts.” -Peter Salus, editorial director, Matrix.net Since 2001, Linux Administration Handbook has been the definitive resource for every Linux® system administrator who must efficiently solve technical problems and maximize the reliability and performance of a production environment. Now, the authors have systematically updated this classic guide to address today’s most important Linux distributions and most powerful new administrative tools. The authors spell out

detailed best practices for every facet of system administration, including storage management, network design and administration, web hosting, software configuration management, performance analysis, Windows interoperability, and much more. Sysadmins will especially appreciate the thorough and up-to-date discussions of such difficult topics such as DNS, LDAP, security, and the management of IT service organizations. Linux® Administration Handbook, Second Edition, reflects the current versions of these leading distributions: Red Hat® Enterprise Linux® Fedora™ Core SUSE® Linux Enterprise Debian® GNU/Linux Ubuntu® Linux Sharing their war stories and hard-won insights, the authors capture the behavior of Linux systems in the real world, not just in ideal environments. They explain complex tasks in detail and illustrate these tasks with examples drawn from their extensive hands-on experience. **Learning RHEL Networking** - Andrew Mallett 2015-06-24

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

*Security Strategies in Linux Platforms and Applications* -

Michael H. Jang 2017

"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. [Red Hat Enterprise Linux 6 Essentials](#) - Neil Smyth 2010-12-15

*Red Hat Enterprise Linux RHEL 7 Server Installation and Administration* - Kefa Rabah 2016-09-22

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

**CentOS Bible** - Christopher Negus 2009-06-03

Authoritative guide to a rapidly growing Linux distribution This is one of the first, if not the first

comprehensive guide to the CentOS Linux operating system. Linux guru Tim Bornoczyk, thoroughly covers the topic whether you're a Linux novice or a regular who now wants to master this increasingly popular distribution. First find out how to install and configure CentOS. From there, you'll cover a wealth of Linux and CentOS tools, functions, and techniques, including: how to work in the GNOME and KDE desktop environments; how to use the Linux shell, file system, and text editor; how to configure CUPS printers, Samba for file and printer sharing and other features using GUI tools; and more. CentOS (Community ENTERprise Operating System) is a Linux operating system maintained by a small team of core developers based on Red Hat Enterprise Linux (RHEL) Lead author Christopher Negus is the bestselling Linux author of such books as Fedora 10 and Red Hat Enterprise Linux Bible and Linux 2009 Edition Bible; he is also a member of the Red Hat Enterprise Linux training team Tech edited by key

member of the CentOS development team, Ralph Angenendt, and foreword written by lead CentOS developer, Karanbir Singh. Learn how to set up users, automate system tasks, back up and restore files, and prepare for the latest security issues and threats; also learn how to use and customize the desktop menus, icons, window manager, and xterm; and how to create and publish formatted documents Explores available Linux multimedia applications for graphics, audio, video and CD burning The DVD includes complete copy of the most current CentOS Distribution - CentOS 5.3 For getting the most out of CentOS Linux, this is the book you need to succeed. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.  
CentOS Quick Start Guide - Shiwang Kalkhanda 2018-12-26  
A concise walk-through of CentOS 7, starting from installation to securing it's environment. Key FeaturesNo previous Linux environment

experience needed for reading this book. Get comfortable with a popular and stable Red Hat Enterprise Linux distribution. Most of the command line based concepts are explained with graphics. Book Description Linux kernel development has been the worlds largest collaborative project to date. With this practical guide, you will learn Linux through one of its most popular and stable distributions. This book will introduce you to essential Linux skills using CentOS 7. It describes how a Linux system is organized, and will introduce you to key command-line concepts you can practice on your own. It will guide you in performing basic system administration tasks and day-to-day operations in a Linux environment. You will learn core system administration skills for managing a system running CentOS 7 or a similar operating system, such as RHEL 7, Scientific Linux, and Oracle Linux. You will be able to perform installation, establish network connectivity and user

and process management, modify file permissions, manage text files using the command line, and implement basic security administration after covering this book. By the end of this book, you will have a solid understanding of working with Linux using the command line. What you will learn: Understand file system hierarchy and essential command-line skills. Use Vi editor, I/O redirections and how to work with common text manipulating tools. Create, delete, modify user accounts and manage passwords and their aging policy. Manage file ownership, permissions, and ACL. Execute process management and monitoring on the command line. Validate and manage network configuration using nmcli. Manage remote logins using SSH and file transfer using SCP and Rsync. Understand system logging, how to control system services with systemd and systemctl, and manage firewall. Who this book is for: Any individual who wants to

learn how to use Linux as server or desktop in his environment. Whether you are a developer, budding system administrator, or tech lover with no previous Linux administration background, you will be able to start your journey in Linux using CentOS 7 with this book.

### **CentOS 7 Server**

#### **Deployment Cookbook -**

Timothy Boronczyk 2016-10-06

Deploy and manage today's essential services on an enterprise-class, open operating system About This Book Configure and manage Linux servers in varying scenarios and for a range of business requirements Explore the up-to-date features of CentOS using real-world scenarios See practical and extensive recipes to deploy and manage CentOS Who This Book Is For This book is for Linux professionals with basic Unix/Linux functionality experience, perhaps even having set up a server before, who want to advance their knowledge in administering various services. What You Will

Learn See how to deploy CentOS easily and painlessly, even in multi-server environments Configure various methods of remote access to the server so you don't always have to be in the data center Make changes to the default configuration of many services to harden them and increase the security of the system Learn to manage DNS, emails and web servers Protect yourself from threats by monitoring and logging network intrusion and system intrusion attempts, rootkits, and viruses Take advantage of today's powerful hardware by running multiple systems using virtualization In Detail CentOS is derived from Red Hat Enterprise Linux (RHEL) sources and is widely used as a Linux server. This book will help you to better configure and manage Linux servers in varying scenarios and business requirements. Starting with installing CentOS, this book will walk you through the networking aspects of CentOS. You will then learn how to manage users and their

permissions, software installs, disks, filesystems, and so on. You'll then see how to secure connection to remotely access a desktop and work with databases. Toward the end, you will find out how to manage DNS, e-mails, web servers, and more. You will also learn to detect threats by monitoring network intrusion. Finally, the book will cover virtualization techniques that will help you make the most of CentOS. Style and approach This easy-to-read cookbook is filled with practical recipes. Hands-on, task-based exercises will present you with real-world solutions to deploy and manage CentOS in varying business scenarios.

**CENTOS 8 ESSENTIALS.** - NEIL. SMYTH 2020

**Administer and Secure Enterprise Linux** - Russell Overton 2020-01-06

A practical guide to system administration and security for Red Hat, CentOS and other members of the Enterprise Linux family. Covers version 7 and 8, including systemd and firewalld.

Red Hat Enterprise Linux Administration Unleashed - Tammy Fox 2007-04-20

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).

### **Foundations of CentOS**

**Linux** - Chivas Sicam

2010-01-08

You need to maintain clients, servers and networks, while acquiring new skills.

Foundations of CentOS Linux: Enterprise Linux On the Cheap covers a free, unencumbered Linux operating system within the Red Hat lineage, but it does not assume you have a Red Hat Enterprise Linux license. Now you can learn CentOS Linux, the most powerful and popular of all Red Hat clones, keep maintaining your network at work, and become an Red Hat Certified Engineer, all just for the cost of this book. Introduces CentOS Linux and Fedora clients as equals to Red Hat Enterprise Linux Sets up CentOS as a secure, high-performance web services back end Prepares you for the RHCE examination, but does not assume an RHEL installation

### **Red Hat Enterprise Linux Troubleshooting Guide** -

Benjamin Cane 2015-10-19

Identify, capture and resolve common issues faced by Red Hat Enterprise Linux

administrators using best practices and advanced troubleshooting techniques

About This Book Develop a strong understanding of the

base tools available within Red Hat Enterprise Linux (RHEL) and how to utilize these tools to

troubleshoot and resolve real-world issues Gain hidden tips and techniques to help you

quickly detect the reason for poor network/storage

performance Troubleshoot your RHEL to isolate problems using this example-oriented guide full

of real-world solutions Who This Book Is For If you have a basic knowledge of Linux from

administration or consultant experience and wish to add to your Red Hat Enterprise Linux

troubleshooting skills, then this book is ideal for you. The ability to navigate and use basic Linux

commands is expected. What You Will Learn Identify issues

that need rapid resolution

against long term root cause analysis Discover commands for testing network connectivity such as telnet, netstat, ping, ip and curl Spot performance issues with commands such as top, ps, free, iostat, and vmstat Use 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.

**Administer and Secure Enterprise Linux for Government** - John Timaeus  
2020-01-31

A course in the administration and security of Enterprise Linux v7. Intended for use in government and other cyber-security aware environments.

### **A Practical Guide to Fedora and Red Hat Enterprise Linux**

**Linux** - Mark G. Sobell 2013

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

### **Incorporating the Digital Commons**

- Benjamin J. Birkinbine 2020-02-26

The concept of 'the commons' has been used as a framework to understand resources shared by a community rather than a private entity, and it has also inspired social movements working against the enclosure of public goods and resources. One such resource is free (libre) and open source software (FLOSS). FLOSS emerged as an alternative to proprietary software in the 1980s. However, both the products and production processes of FLOSS have become

incorporated into capitalist production. For example, Red Hat, Inc. is a large publicly traded company whose business model relies entirely on free software, and IBM, Intel, Cisco, Samsung, Google are some of the largest contributors to Linux, the open-source operating system. This book explores the ways in which FLOSS has been incorporated into digital capitalism. Just as the commons have been used as a motivational frame for radical social movements, it has also served the interests of free-marketeers, corporate libertarians, and states to expand their reach by dragging the shared resources of social life onto digital platforms so they can be integrated into the global capitalist system. The book concludes by asserting the need for a critical political economic understanding of the commons that foregrounds (digital) labour, class struggle, and uneven power distribution within the digital commons as well as between FLOSS communities and their corporate sponsors.

## **Mastering Linux Servers -**

Kefa Rabah 2018-07-02

The book covers the world's leading open source application platform: Red Hat Enterprise Linux (RHEL) 6 is a Linux distribution produced by Red Hat that was targeted toward the commercial market, including mainframes. Red Hat Enterprise Linux is released in server versions for x86, x86\_64, Itanium, PowerPC and IBM System z, and desktop versions for x86 and x86\_64. All of Red Hat's official support and training, and the Red Hat Certification Program center on the Red Hat Enterprise Linux platform. It next Covers CentOS 6 Server: is a community-supported, free and open source operating system based on Red Hat Enterprise Linux. It exists to provide a free enterprise class computing platform and strives to maintain 100% binary compatibility with its upstream distribution .CentOS stands for "Community ENTERprise Operating System". CentOS is the perfect server for people who need an enterprise class operating system stability

without the cost of certification and support and pocket burning baggage that comes with proprietary software. And the beauty is CentOS is free. Finally, we end with Ubuntu 14.04 LTS Server which transformed the IT environments worldwide. Realize the full potential of your infrastructure with a reliable, easy-to-integrate technology platform. It's the leading platform for scale-out computing, Ubuntu Server helps you make the most of your infrastructure. Whether you want to deploy an OpenStack cloud, a Hadoop cluster or a 50,000-node render farm, Ubuntu Server delivers the best value scale-out performance available. It's an excellent book for those who still use or have fond memory of these three industry standard distros.

## **CentOS High Performance -**

Gabriel Canepa 2016-01-30

Create high availability clusters to enhance system performance using CentOS 7 About This Book Master the concepts of high performance

and high availability to eliminate performance bottlenecks Maximize the uptime of services running in a CentOS 7 cluster A step-by-step guide that will provide knowledge of methods and approaches to optimize the performance of CentOS clusters Who This Book Is For This book is targeted at system administrators: those who want a detailed, step-by-step guide to learn how to set up a high-availability CentOS 7 cluster, and those who are looking for a reference book to help them learn or refresh the necessary skills to ensure their systems and respective resources are utilized optimally. No previous knowledge of high-availability systems is needed, though the reader is expected to have at least some degree of familiarity with any spin-off of the Fedora family of Linux distributions, preferably CentOS. What You Will Learn Install a CentOS 7 cluster and network infrastructure Configure firewall, networking, and clustering services and settings Set up and test a HAC (high-

availability cluster) to host an Apache web server and a MariaDB database server Monitor performance and availability Identify bottlenecks and troubleshoot issues Improve performance and ensure high availability In Detail CentOS is the enterprise level Linux OS, which is 100% binary compatible to Red Hat Enterprise Linux (RHEL). It acts as a free alternative to RedHat's commercial Linux offering, with only a change in the branding. A high performance cluster consists in a group of computers that work together as one set parallel, hence minimizing or eliminating the downtime of critical services and enhancing the performance of the application. Starting with the basic principles of clustering, you will learn the necessary steps to install a cluster with two CentOS 7 servers. We will then set up and configure the basic required network infrastructure and clustering services. Further, you will learn how to take a proactive approach to the split-brain issue by

configuring the failover and fencing of the cluster as a whole and the quorum of each node individually. Further, we will be setting up HAC and HPC clusters as a web server and a database server. You will also master the art of monitoring performance and availability, identifying bottlenecks, and exploring troubleshooting techniques. At the end of the book, you'll review performance-tuning techniques for the recently installed cluster, test performance using a payload simulation, and learn the necessary skills to ensure that the systems, and the corresponding resources and services, are being utilized to their best capacity. Style and approach An easy-to-follow and step-by-step guide with hands-on instructions to set up real-world simple cluster scenarios that will start you on the path to building more complex applications on your own.

**Red Hat Enterprise Linux 8 Essentials** - Neil Smyth

2019-06-13

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.

*CentOS 8 Essentials* - Neil Smyth 1901

Learn how to install, use, and administer CentOS 8 with the help of expert guidance and engaging examples/bh4Key Features/h4ulliBecome familiar with a popular and stable Red Hat Enterprise Linux distribution/liliGain a thorough overview of the operating system by learning concepts such as disk partitioning, KVM virtualization, and more/liliExplore advanced topics such as logical volume management and firewall configuration/li/ulh4Book Description/h4Linux kernel development is perhaps the world's largest collaborative project to date. With CentOS 8 Essentials, you'll be given easily accessible information to

install, use, and administer the CentOS 8 distribution. The book begins with a concise history of the Linux operating system and CentOS. You'll then learn how to install CentOS 8 using the dual boot configuration so that it can coexist with Windows on the same drive. After installing CentOS, you'll learn GNOME 3 - the desktop environment included with CentOS 8 that helps you navigate through the distribution. As you progress, you'll explore the Cockpit web interface that enables you to perform tasks via a web browser instead of using the command-line. You'll then take a brief tour of the Bash shell environment and learn ways to administer a system that doesn't have a desktop or a Cockpit interface. While learning advanced concepts, you'll see how to manage swap space efficiently and control the performance of CentOS 8. By the end of the book, you'll have all the essential information you need to comfortably start using the CentOS 8 distribution.h4What you will learn/h4ulliWork in dual boot

environments/|lil|Install and manage packages with App Streams/|lil|Perform systemd unit configuration tasks using the systemctl command-line tool/|lil|Configure the RHEL 8 firewall/|lil|Share files with Linux and Windows systems using Samba and NFS/|lil|Deploy KVM-based virtual

machines/|li|ulh4Who this book is for/h4CentOS 8 Essentials is an ideal book for you if you want essential information to start using the CentOS 8 distribution. Whether you are a developer, a system administrator, or a tech lover with no previous Linux administration background, you'll be able to start your adventure with this book.

Red Hat Enterprise Linux 6 Administration - Sander van Vugt 2013-01-23

The definitive guide to administering a Red Hat EnterpriseLinux 6 network Linux professionals who need a go-to guide on version 6 of 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.

*The Definitive Guide to CentOS*  
- Peter Membrey 2009-08-15  
CentOS is just like Red Hat, but without the price tag and with the virtuous license. When belts have to be tightened, we want to read about an OS with all the features of a commercial Linux variety, but without the pain. The Definitive Guide to CentOS is the first definitive reference for CentOS and focuses on CentOS alone, the workhorse Linux distribution, that does the heavy lifting in small and medium-size enterprises without drawing too much attention to itself. Provides tutorial and hands-on learning but is also designed to be used as a reference Bases all examples on real-world tasks

that readers are likely to perform Serves up hard-won examples and hints and tips from the author's experiences of CentOS in production

**Red Hat Enterprise Linux 5 Essentials** - Neil Smyth  
2010-09-03

Red Hat Enterprise Linux (RHEL) 5 Essentials provide indepth information on the installation, use and administration of Red Hat Enterprise Linux 5. Topics included in this book cover essential information for both beginners and experienced users and administrators of this enterprise class operating system including security, virtualization, logical volume management, remote access, file sharing and more.