

Centos User Guide

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[CentOS 8 Essentials CRC Press](#)

This book is targeted at system engineers and system administrators who want to upgrade their knowledge and skills in high availability and want to learn practically how to achieve high availability with CentOS Linux. You are expected to have good CentOS Linux knowledge and basic networking experience.

[Bash Reference Manual HerongYang.com](#)

This guide provides a step-by-step example of how to install and configure a basic system running on Community Enterprise Linux (CentOS) version 6.2. This is an easy to follow guide, perfectly suited for users new to CentOS and Linux. Topics covered include best practices for partitioning, installing the Graphical Desktop, customizing programs during the installation, and updating system software.

[Foundations of CentOS Linux No Starch Press](#)

Combine advanced analytics including Machine Learning, Deep Learning Neural Networks and Natural Language Processing with modern scalable technologies including Apache Spark to derive actionable insights from Big Data in real-time Key FeaturesMake a hands-on start in the fields of Big Data, Distributed Technologies and Machine LearningLearn how to design, develop and interpret the results of common Machine Learning algorithmsUncover hidden patterns in your data in order to derive real actionable insights and business valueBook Description Every person and every organization in the world manages data, whether they realize it or not. Data is used to describe the world around us and can be used for almost any purpose, from analyzing consumer habits to fighting disease and serious organized crime. Ultimately, we manage data in order to derive value from it, and many organizations around the world have traditionally invested in technology to help process their data faster and more efficiently. But we now live in an interconnected world driven by mass data creation and consumption where data is no longer rows and columns restricted to a spreadsheet, but an organic and evolving asset in its own right. With this realization comes major challenges for organizations: how do we manage the sheer size of data being created every second (think not only spreadsheets and databases, but also social media posts,

images, videos, music, blogs and so on)? And once we can manage all of this data, how do we derive real value from it? The focus of Machine Learning with Apache Spark is to help us answer these questions in a hands-on manner. We introduce the latest scalable technologies to help us manage and process big data. We then introduce advanced analytical algorithms applied to real-world use cases in order to uncover patterns, derive actionable insights, and learn from this big data. What you will learnUnderstand how Spark fits in the context of the big data ecosystemUnderstand how to deploy and configure a local development environment using Apache SparkUnderstand how to design supervised and unsupervised learning modelsBuild models to perform NLP, deep learning, and cognitive services using Spark ML librariesDesign real-time machine learning pipelines in Apache SparkBecome familiar with advanced techniques for processing a large volume of data by applying machine learning algorithmsWho this book is for This book is aimed at Business Analysts, Data Analysts and Data Scientists who wish to make a hands-on start in order to take advantage of modern Big Data technologies combined with Advanced Analytics.

[CentOS 6 Linux Server Cookbook Cengage Learning](#)

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

[Troubleshooting CentOS "O'Reilly Media, Inc."](#)

A comprehensive guide to learning Cacti and using it to implement performance measurement and reporting within a Network Operations Center About This Book A complete Cacti book that focuses on the basics as well as the advanced concepts you need to know for implementing a Network Operations Center A step-by-step Beginner's Guide with detailed instructions on how to create and implement custom plugins Written by Thomas Urban - creator of the "Cereus" and "NMID" plugins for Cacti known as Phalek in the Cacti forum Who This Book Is For If you are a network operator and want to use Cacti for implementing performance measurement

for trending, troubleshooting, and reporting purposes, then this book is for you. You only need to know the basics of network management and SNMP. What You Will Learn Setting up Cacti on Linux and Windows systems Extending the core functionality by using the plugin architecture Building your own custom plugins Creating your own custom data input method to retrieve data from your systems Using SNMP, SSH, and WMI to retrieve remote performance data Designing and create enterprise-class reports with the reporting plugins Implementing threshold-based alerting using the Thold plugin Automating common administrative tasks utilizing the command-line interface and the automate functionality Migrating Cacti to new servers Building a multi remote-poller environment In Detail Cacti is a performance measurement tool that provides easy methods and functions for gathering and graphing system data. You can use Cacti to develop a robust event management system that can alert on just about anything you would like it to. But to do that, you need to gain a solid understanding of the basics of Cacti, its plugin architecture, and automation concepts. Cacti Beginner's Guide will introduce you to the wide variety of features of Cacti and will guide you on how to use them for maximum effectiveness. Advanced topics such as the plugin architecture and Cacti automation using the command-line interface will help you build a professional performance measurement system. Designed as a beginner's guide, the book starts off with the basics of installing and using Cacti, and also covers the advanced topics that will show you how to customize and extend the core Cacti functionalities. The book offers essential tutorials for creating advanced graphs and using plugins to create enterprise-class reports to show your customers and colleagues. From data templates to input methods and plugin installation to creating your own customized plugins, this book provides you with a rich selection of step-by-step instructions to reach your goals. It covers all you need to know to implement professional performance measurement techniques with Cacti and ways to fully customize Cacti to fit your needs. You will also learn how to migrate Cacti to new servers. Lastly you will also be introduced to the latest feature of building a scalable remote poller environment. By the end of the book, you will be able to implement and extend Cacti to monitor, display, and report the performance of your network exactly the way you want. Style and approach Written for beginners to Cacti, this book contains step-by-step instructions

and hands-on tutorials for network operators to learn how to implement and use the core Cacti functions.

Linux Apps Tutorials - Herong's Tutorial Examples John Wiley and Sons
Contemporary High Performance Computing: From Petascale toward Exascale, Volume 3 focuses on the ecosystems surrounding the world's leading centers for high performance computing (HPC). It covers many of the important factors involved in each ecosystem: computer architectures, software, applications, facilities, and sponsors. This third volume will be a continuation of the two previous volumes, and will include other HPC ecosystems using the same chapter outline: description of a flagship system, major application workloads, facilities, and sponsors. Features: Describes many prominent, international systems in HPC from 2015 through 2017 including each system's hardware and software architecture Covers facilities for each system including power and cooling Presents application workloads for each site Discusses historic and projected trends in technology and applications Includes contributions from leading experts Designed for researchers and students in high performance computing, computational science, and related areas, this book provides a valuable guide to the state-of-the art research, trends, and resources in the world of HPC.

[The Best Centos Guide - 136 Things You Need to Know](#) Apress
This volume is the official reference manual for GNU Bash, the standard GNU command-line interpreter.

Guide to Parallel Operating Systems with Windows 10 and Linux Hardkernel, Ltd

Readers examine two of the most prominent operating systems -- Windows 10 and Linux CentOS7 -- in parallel with the unique approach found only in *GUIDE TO PARALLEL OPERATING SYSTEMS WITH WINDOWS 10 AND LINUX, 3E*. Rather than using a compare and contrast model, the book presents each topic conceptually before demonstrating it simultaneously on both operating systems. Readers can instantly switch between Windows 10 and Linux CentOS 7 to complete the myriad of hands-on activities that reinforce the similarities between the two operating systems for each conceptual task. The text's virtualization approach provides flexibility that enables readers to use Microsoft Hyper-V Client, Oracle VirtualBox, or VMWare Workstation. This comprehensive guide helps users develop the competencies needed in Windows 10 and Linux to maximize success in today's classroom or tomorrow's business environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

[Docker on Amazon Web Services](#) HerongYang.com

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.

Learning CentOS Cambridge University Press

Beginning Fedora Desktop: Fedora 18 Edition is a complete guide to using the Fedora 18 Desktop Linux release as your daily driver for mail, productivity, social networking, and more. Author and Linux expert Richard Petersen delves into the operating system as a whole and offers you a complete treatment of Fedora 18 Desktop installation, configuration, and use. You'll discover how to install Fedora 18 Desktop on any hardware, learn which applications perform which functions, how to manage software updates, tips and tricks for the GNOME 3 and KDE desktops, useful shell commands, and both the Fedora administration and network tools. Get the most out of Fedora 18 Desktop -- including free Office suites, editors, e-book readers, music and video applications and codecs, email clients, Web and FTP browsers, microblogging and IM applications -- with a copy of **Beginning Fedora Desktop: Fedora 18 Edition** at your side. What you'll learn how to install Fedora 18 Desktop on any hardware the available GUI choices, including KDE, GNOME, and alternative desktop environments how to use word processors, spreadsheets, presentation, and e-mail software how to maintain your system and back it up how to participate in social networks using open source clients Who this book is for **Beginning Fedora Desktop: Fedora 18 Edition** is for novice to intermediate users who are looking to install Fedora 18 as their primary computing environment. Table of Contents Fedora 18 Introduction Installation and Upgrade Usage Basics: Login, Desktop, and Help Installing and Updating Software: YUM, PackageKit, and RPM Office Applications and Editors Graphics and Multimedia Mail (E-mail) and News Internet Applications: Web and FTP Social Networking: Microblogging, IM, VoIP, and Social Desktop GNOME 3 The K Desktop Environment: KDE Shells Additional Desktops Fedora System Tools System Administration Network Configuration Printing

The Linux Command Line Packt Publishing Ltd

Develop and build your Docker images and deploy your Docker containers securely. Key Features Learn Docker installation on different types of OS Get started with developing Docker images Use Docker with your Jenkins CI/CD system Book Description Docker is an open source software platform that helps you with creating, deploying, and running your applications using containers. This book is your ideal introduction to Docker and containerization. You will learn how to set up a Docker development environment on a Linux, Mac, or Windows workstation, and learn your way around all the commands to run and manage your Docker images and containers. You will explore the Dockerfile and learn how to build your own enterprise-grade Docker images. Then you will learn about Docker networks, Docker swarm, and Docker volumes,

and how to use these features with Docker stacks in order to define, deploy, and maintain highly-scalable, fault-tolerant multi-container applications. Finally, you will learn how to leverage Docker with Jenkins to automate the building of Docker images and the deployment of Docker containers. By the end of this book, you will be well prepared when it comes to using Docker for your next project. What you will learn Set up your Docker workstation on various platforms Utilize a number of Docker commands with parameters Create Docker images using Dockerfiles Learn how to create and use Docker volumes Deploy multi-node Docker swarm infrastructure Create and use Docker local and remote networks Deploy multi-container applications that are HA and FT Use Jenkins to build and deploy Docker images Who this book is for This guide is for anyone who needs to make a quick decision about using Docker for their next project. It is for developers who want to get started using Docker right away.

OpenStack Operations Guide CreateSpace Independent Publishing Platform

A fast paced guide that will help you to create, read, update and delete data using MongoDB Key Features Create secure databases with MongoDB Manipulate and maintain your database Model and use data in a NoSQL environment with MongoDB Book Description MongoDB has grown to become the de facto NoSQL database with millions of users, from small start-ups to Fortune 500 companies. It can solve problems that are considered difficult, if not impossible, for aging RDBMS technologies. Written for version 4 of MongoDB, this book is the easiest way to get started with MongoDB. You will start by getting a MongoDB installation up and running in a safe and secure manner. You will learn how to perform mission-critical create, read, update, and delete operations, and set up database security. You will also learn about advanced features of MongoDB such as the aggregation pipeline, replication, and sharding. You will learn how to build a simple web application that uses MongoDB to respond to AJAX queries, and see how to make use of the MongoDB programming language driver for PHP. The examples incorporate new features available in MongoDB version 4 where appropriate. What you will learn Get a standard MongoDB database up and running quickly Perform simple CRUD operations on the database using the MongoDB command shell Set up a simple aggregation pipeline to return subsets of data grouped, sorted, and filtered Safeguard your data via replication and handle massive amounts of data via sharding Publish data from a web form to the database using a program language driver Explore the basic CRUD operations performed using the PHP MongoDB driver Who this book is for Web developers, IT professionals and Database Administrators (DBAs) who want to learn how to create and manage MongoDB databases.

ODROID-C1+ User Manual Packt Publishing Ltd

Design a complete VoIP or analog PBX with Asterisk, even if you have no previous Asterisk experience and only basic telecommunications knowledge. This bestselling guide makes it easy, with a detailed roadmap to installing, configuring, and integrating this open source software into your existing phone system. Ideal for Linux administrators, developers, and power users, this book shows you how to write a basic dialplan step by step, and quickly brings you up to speed on the latest Asterisk features in version 1.8. Integrate Asterisk with analog, VoIP, and digital telephony systems Build a simple interactive dialplan, and dive into advanced concepts Use Asterisk's voicemail options—including a standalone voicemail server Build a menuing system and add applications that act on caller input Incorporate a relational database with MySQL and Postgre SQL Connect to external services such as LDAP, calendars, XMPP, and Skype Use Automatic Call Distribution to build a call queuing system Learn how to use Asterisk's security, call routing, and faxing features

Learning Chef Packt Publishing Ltd

CentOS: Theory and Practice. There has never been a CentOS Guide like this. It contains 136 answers, much more than you can imagine; comprehensive answers and extensive details and references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about CentOS. A quick look inside of some of the subjects covered: Upstart - Adoption, Red Hat Enterprise Linux - Rebuilds, Google Mini, RHEL, DirectAdmin - System requirements, WANdisco - Server binaries, LAMP (software bundle) - Linux, Yellowdog Updater, Modified - History, Gesta Danorum - Printing, Dedicated server - Operating system support, HandBrake, Enrico Letta - Other activities, Security-Enhanced Linux - Implementations, Aspire One - Linux, Kernel-based Virtual Machine - Graphical management tools, mdadm - Increasing RAID ReSync Performance, GPLv3 - Legal Barrier to App Stores, Juju (software) - Juju's Strengths and Weaknesses, Rimini railway station - Features, GNU General Public License version 2 - Legal barrier to app stores, Accusative - Latin, OrionVM - Templates, Logical Volume Manager (Linux), Amazon EC2 - Operating systems, Ferrovie dello Stato - Subsidiaries, XFS - History, Elastix, Linux distributions - Popular distributions, Ninefold - Virtual Servers, RHEL - Rebuilds, Roxen (web server), GNU General Public Licence - Legal barrier to app stores, Desktop Linux, Heartbleed - Patch, TACTIC (web framework) - Support Platforms and Environments, Rackspace Cloud - Cloud Servers, CentOS, Linux Terminal Server Project, RPM Package Manager - Front ends, Ferrovie dello Stato Italiane - Subsidiaries, Campobasso - Railways, Environment Modules (software) - automatic modules initialization, and much more...

EMBOSS User's Guide CreateSpace

The European Molecular Biology Open Software Suite (EMBOSS) is a well

established, high quality package of open source software tools for molecular biology. It includes over 200 applications for molecular sequence analysis and general bioinformatics including sequence alignment, rapid database searching and sequence retrieval, motif identification and pattern analysis and much more. The EMBOSS User's Guide is the official and definitive guide to the package, containing comprehensive information and practical instructions from the people who developed it: • No prior experience with EMBOSS necessary • Set up and maintenance - get up and running quickly • Hands-on tutorial - learn EMBOSS the easy way, by working through practical examples • Data types and file formats - learn about the biological data that can be manipulated and analysed • In-depth explanation of the EMBOSS command line - learn advanced 'power user' features • Practical guides to popular EMBOSS GUIs (wEMBOSS and Jemboss)

Using and Administering Linux: Volume 1 Walnut Creek CDRom

Become a Linux sysadmin and expert user of Linux, even with no previous Linux experience and learn to manage complex systems with ease. Volume 1 of this three volume training course introduces operating systems in general and Linux in particular. It briefly explores the The Linux Philosophy for SysAdmins in preparation for the rest of the course. This book provides you with the tools necessary for mastering user management; installing, updating, and deleting software; and using command line tools to do performance tuning and basic problem determination. You'll begin by creating a virtual network and installing an instance of Fedora - a popular and powerful Linux distribution - on a VirtualBox VM that can be used for all of the experiments on an existing Windows or Linux computer. You'll then move on to the basics of using the Xfce GUI desktop and the many tools Linux provides for working on the command line including virtual consoles, various terminal emulators, BASH, and other shells. Explore data streams and the Linux tools used to manipulate them, and learn about the Vim text editor, which is indispensable to advanced Linux users and system administrators, and be introduced to some other text editors. You'll also see how to install software updates and new software, learn additional terminal emulators, and some advanced shell skills. Examine the sequence of events that take place as the computer boots and Linux starts up, configure your shell to personalize it in ways that can seriously enhance your command line efficiency, and delve into all things file and filesystems. What You Will Learn Install Fedora Linux and basic configuration of the Xfce desktop Access the root user ID, and the care that must be taken when working as root Use Bash and other shells in the Linux virtual consoles and terminal emulators Create and modify system configuration files with Use the Vim text editor Explore administrative tools available to root that enable you to manage users, filesystems, processes, and basic network communications Configure the boot and startup sequences Who This Book Is For Anyone who wants to learn Linux as an advanced user and system administrator at the command line while using the GUI desktop to leverage productivity.

Machine Learning with Apache Spark Quick Start Guide Hardkernel, Ltd

You need to maintain clients, servers and networks, while acquiring new skills. Foundations of Cent OS 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

Autodesk Vred 2021 User Guide Apress

Get a hands-on introduction to the Chef, the configuration management tool for solving operations issues in enterprises large and small. Ideal for developers and sysadmins new to configuration management, this guide shows you to automate the packaging and delivery of applications in your infrastructure. You'll be able to build (or rebuild) your infrastructure's application stack in minutes or hours, rather than days or weeks. After teaching you how to write Ruby-based Chef code, this book walks you through different Chef tools and configuration management concepts in each chapter, using detailed examples throughout. All you need to get started is command-line experience and familiarity with basic system administration. Configure your Chef development environment and start writing recipes Create Chef cookbooks with recipes for each part of your infrastructure Use Test Kitchen to manage sandbox testing environments Manage single nodes with Chef client, and multiple nodes with Chef Server Use data bags for storing shared global data between nodes Simulate production Chef Server environments with Chef Zero Classify different types of services in your infrastructure with roles Model life stages of your application, including development, testing, staging, and production

Docker Quick Start Guide Emereo Publishing

Over 80 recipes to get up and running with CentOS 7 Linux server About This Book A practical guide to install, configure, administer and maintain CentOS 7 servers An in-depth guide to the CentOS 7 operating system, exploring its various new features and changes in server administration Presents tricks and solutions to tackle common server issues with the help of practical examples and real-life scenarios Who This Book Is For This book is targeted at beginner and more experienced system administrators alike who want to use CentOS as their server solution. Readers do not need much pre-knowledge or experience at all to work with this book. What You Will Learn Install and configure CentOS 7 Linux server system from scratch using normal and advanced methods Maintain a performance-based and secure server solution by deploying expert configuration advice and managing software

packages Monitor, manage and develop your server's file system to maintain a stable performance Gain best practice methods on sharing files and resources through a network Install and configure common standard services such as web, mail, FTP, database and domain name server technologies Introduce you to the world of operating-system-level virtualization using the Docker platform. Understand the fundamentals of the Security-Enhanced Linux access control architecture Monitor your IT infrastructure using Nagios In Detail This book will provide you with a comprehensive series of starting points that will give you direct access to the inner workings of the latest CentOS version 7 and help you trim the learning curve to master your server. You will begin with the installation and basic configuration of CentOS 7, followed by learning how to manage your system, services and software packages. You will then gain an understanding of how to administer the file system, secure access to your server and configure various resource sharing services such as file, printer and DHCP servers across your network. Further on, we cover advanced topics such as FTP services, building your own DNS server, running database servers, and providing mail and web services. Finally, you will get a deep understanding of SELinux and you will learn how to work with Docker operating-system virtualization and how to monitor your IT infrastructure with Nagios. By the end of this book, you will have a fair understanding of all the aspects of configuring, implementing and administering CentOS 7 Linux server and how to put it in control. Style and approach This book is a practical reference guide with hands-on examples and solutions to real-world administration problems. It covers in-depth and comprehensive information on CentOS 7 and its new features.

The Definitive Guide to CentOS CentOS 8 Essentials

This book is a collection of notes and sample codes written by the author while he was learning Linux systems. Topics include using Cockpit Web portal for admin tasks; using network configuration and security firewall; managing users and groups; managing files and directories; managing NTFS, CIFS, EXT4, LBA, LVM file systems; installing CentOS systems; using SELinux (Security-Enhanced Linux) system; DNF/YUM software package manager; managing MySQL server; developing Python and PHP scripts; using GCC C/C++ compilers; managing vsftpd - Very Secure FTP daemon; managing Postfix and Dovecot servers for emails; managing directory service with OpenLDAP; running graphical

applications on GNOME desktop and X11 servers; running Conda - Environment and Package Manager. Updated in 2022 (Version v5.40) with minor updates. For latest updates and free sample chapters, visit <https://www.herongyang.com/Linux>.